



**MINISTRY OF ENERGY AND MINERAL
DEVELOPMENT**



**UGANDA NATIONAL BUREAU OF
STANDARDS**

OIL AND GAS STANDARDS CATALOGUE

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No.	Division	Standard Number	Title	Scope	Price	Status
1	ENGINEERING AND CONSTRUCTION STANDARDS	US ISO 7-1:2007	Pipe threads where pressure-tight joints are made on the threads - Part 1: Dimensions, tolerances and designation	This Uganda Standard specifies the requirements for thread form, dimensions, tolerances and designation for jointing pipe threads, sizes 1/16 to 6 inclusive, for joints made pressure-tight by the mating of the threads. These threads are taper external, parallel internal or taper internal and are intended for use with pipes suitable for threading and for valves, fittings or other pipeline equipment interconnected by threaded joints. This standard was PUBLISHED on 2011-12-20.	30000	Compulsory
2	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 32:1977	Gas cylinders for medical use - Marking for identification of content	This Uganda Standard establishes a system of marking and a series of colours for the identification of the content of gas cylinders intended for medical use only. This standard was PUBLISHED on 2014-07-31.	15000	Compulsory

3	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 946:2011	Specification for biodiesel fuel as used for blending with automotive gas oil	This Uganda Standard specifies requirements and methods of sampling and testing for 100 % biodiesel as marketed and delivered to be used as a blend component for automotive fuel for diesel engines. This standard applies to the blend of biodiesel and automotive gas oil to be used for automotive diesel engines, as in heavy commercial vehicles, diesel engine vehicles and tractors. It does not cover diesel fuel used in industrial burners or stationary diesel engine. This standard was published on 2011-12-20	45000	Compulsory
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4	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2928: 2003	Rubber hoses and hose assemblies for liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas up to 25 bar (2.5 MPa) - Specification	This Uganda Standard specifies requirements for rubber hoses and rubber hose assemblies used for the transfer of liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas and designed for use at working pressures ranging from vacuum to a maximum of 25 bar (2.5 MPa) within the temperature range 30 Degrees Celcius to +70 Degrees Celcius or, for low-temperature hoses (designated -LT), within the temperature range ?50 Degrees Celcius to +70 Degrees Celcius. This standard was PUBLISHED on 2014-07-31.	30000	Compulsory
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5	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4261:2013	Petroleum products - Fuels (class F) - Specifications of gas turbine fuels for industrial and marine applications	This Uganda Standard specifies the requirements for petroleum fuels for gas turbines (see ISO 3977) used in public utility, industrial, and marine applications. It does not cover requirements for gas turbine fuels for aviation use. This standard is intended for the guidance of users such as turbine manufacturers, suppliers, and purchasers of gas turbine fuels. This standard sets out the properties of fuels at the time and place of transfer of custody to the user. This standard was PUBLISHED on 2015-06-30.	65000	Compulsory
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6	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4706:2008	Gas cylinders - Refillable welded steel cylinders - Test pressure 60 bar and below	This Uganda Standard specifies the minimum requirements concerning material selection, design, construction and workmanship, procedure and test at manufacture of refillable welded-steel gas cylinders of a test pressure not greater than 60 bar, and of water capacities from 0.5 l up to and including 500 l exposed to extreme worldwide temperatures (-50 Degrees Celcius to 65 Degrees Celcius) used for compressed, liquefied or dissolved gases. Transportable large cylinders of water capacity above 150 l and up to 500 l may be manufactured and certified to this standard provided handling facilities are provided. This standard is primarily intended to be used for industrial gases other than Liquefied Petroleum Gas (LPG), but may	50000	Compulsory
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				<p>also be applied for LPG. For specific LPG applications see ISO 22991. This standard was PUBLISHED on 2014-10-15.</p>		
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7	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4925:2005	Road vehicles - Specification of non-petroleum-base brake Fluids for hydraulic systems	This Uganda Standard gives the specifications, requirements and test methods, for non-petroleum-base fluids used in road-vehicle hydraulic brake and clutch systems that are designed for use with such fluids and equipped with seals, cups or double-lipped type gland seals made of styrene-butadiene rubber (SBR) and ethylene-propylene elastomer (EPDM). This standard was PUBLISHED on 2011-12-20.	45000	Compulsory
8	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7225:2005	Gas cylinders - Precautionary labels	This Uganda Standard specifies the design, content (that is, hazard symbols and text) and application of precautionary labels intended for use on individual gas cylinders containing single gases or gas mixtures. Labels for cylinders of bundles and labels for bundles are not covered by this standard. This standard was PUBLISHED on 2014-07-31	30000	Compulsory

9	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7866:2012	Gas cylinders - Refillable seamless aluminium alloy gas cylinders - Design, construction and testing	This Uganda Standard specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes and tests at time of manufacture of refillable seamless aluminium alloy gas cylinders of water capacities up to and including 150 litres for compressed, liquefied and dissolved gases for worldwide use (normally up to +65 Degrees Celcius). This standard was PUBLISHED on 2014-10-15	80000	Compulsory
10	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8216-1:2005	Petroleum products - Fuels (class F) classification - Part 1: Categories of marine fuels	This Uganda Standard establishes the detailed classification of marine fuels within class F (petroleum fuels). It is intended to be read in conjunction with US ISO 8216-99. This standard was PUBLISHED on 2015-06-30	50000	Compulsory

11	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8216-2:1986	Petroleum products - Fuels (class F) - Classification - Part 2: Categories of gas turbine fuel marine applications	<p>This Uganda Standard establishes the detailed classification of gas turbine fuels for industrial and marine applications, but excluding aircraft fuels. It should be read in conjunction with ISO 8216/0. The fuels in this classification are for use in industrial gas turbines and gas turbines derived from aviation turbines that are used in static and marine applications. The classification includes only fuels that are liquid under atmospheric pressure and at their normal storage temperatures. Petroleum fuels, being the result of the processing of crude oils of diverse origin, cannot be chemically defined, but may be categorized generally within the scope of this part of US ISO 8216. This standard was PUBLISHED on 2015-06-30</p>	50000	Compulsory
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12	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8216- 99:2002	Petroleum products - Fuels (class F) - Classification - Part 99: General	This Uganda Standard establishes a general system of classification which applies to petroleum fuels designated by the prefix letter 'F'. Within class F, five families (designated as categories) of products are defined according to the type of fuel and listed in decreasing order of volatility. One category, D, is defined further by subgroups on the basis of volatility and flash point, because of the safety implications of different customary titles for such fuels in different parts of the world. This standard was PUBLISHED on 2015- 06-30	50000	Compulsory
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13	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8217:2012	Petroleum products - Fuels (class F) - Specifications of marine fuels	This Uganda Standard specifies the requirements for petroleum fuels for use in marine diesel engines and boilers, prior to appropriate treatment before use. The specifications for fuels in this standard can also be applicable to fuels for stationary diesel engines of the same or similar make and type as those used for marine purposes. This standard specifies four categories of distillate fuel, one of which is for diesel engines for emergency purposes. It also specifies six categories of residual fuel. This standard was PUBLISHED on 2015-06-30	50000	Compulsory
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14	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9809-1: 2010	Gas cylinders - Refillable seamless steel gas cylinders - Design, construction and testing - Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa	This Uganda Standard specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at manufacture of refillable quenched and tempered seamless steel gas cylinders of water capacities from 0.5 l up to and including 150 l for compressed, liquefied and dissolved gases. This standard is applicable to cylinders with a maximum actual tensile strength R _m of less than 1 100 MPa. This standard was PUBLISHED on 2014-10-15	60000	Compulsory
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15	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9809-2:2010	Gas cylinders - Refillable seamless steel gas cylinders -Design, construction and testing - Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1 100 MPa	This Uganda Standard specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at manufacture of refillable quenched and tempered seamless steel gas cylinders of water capacities from 0.5 l up to and including 150 l for compressed, liquefied and dissolved gases. This part of US ISO 9809 is applicable to cylinders with a maximum tensile strength $R_{ma} \leq 1\ 100$ MPa. It is not applicable to cylinders with $R_{ma, \max} > 1\ 300$ MPa for diameters > 140 mm and guaranteed wall thicknesses $a \leq 12$ mm and $R_{ma, \max} > 1\ 400$ MPa for diameters ≤ 140 mm and guaranteed wall thicknesses $a \leq 6$ mm, because beyond these limits, additional requirements can apply. This standard	60000	Compulsory
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				was PUBLISHED on 2014-10-15		
16	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9809- 3:2010	Gas cylinders - Refillable seamless steel gas cylinders - Design, construction and testing - Part 3: Normalized steel cylinders	This Uganda Standard specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at manufacture of refillable normalized or normalized and tempered seamless steel	60000	Compulsory

				gas cylinders of water capacities from 0.5 l up to and including 150 l for compressed, liquefied and dissolved gases. This standard was PUBLISHED on 2014-10-15		
17	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9809-4:2014	Gas cylinders - Refillable seamless steel gas cylinders - Design, construction and testing - Part 4: Stainless steel cylinders with an Rm value of less than 1 100 MPa	This Uganda Standard specifies the minimum requirements for the material, design, construction and workmanship, manufacturing processes, examinations, and tests at manufacture of refillable seamless stainless steel gas cylinders of water capacities from 0.5 l up to and including 150 l for compressed, liquefied, and dissolved gases. This part of US ISO 9809 is applicable to cylinders with a maximum actual tensile strength, Rma, of less than 1 100 MPa. This	60000	Compulsory

				standard was PUBLISHED on 2014-10-15		
18	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10405:2000	Petroleum and natural gas industries - Care and use of casing and tubing	This Uganda Standard establishes practices for care and use of casing and tubing. It specifies practices for running and pulling casing and tubing, including drifting, stabbing, making up and lowering, field makeup, drifting and landing procedures. Also included are causes of trouble, as well as transportation, handling and storage, inspection and field welding of attachments. This standard was PUBLISHED on 2015-06-30.	60000	Compulsory

19	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10424-1:2004	Petroleum and natural gas industries - Rotary drilling equipment - Part 1: Rotary drill stem elements	This Uganda Standard specifies requirements for the following drill stem elements: upper and lower Kelly valves square and hexagonal kellys drill stem subs standard steel and non-magnetic drill collars drilling and coring bits. This standard was PUBLISHED on 2015-06-30.	50000	Compulsory
20	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10424-2:2007	Petroleum and natural gas industries - Rotary drilling equipment - Part 2: Threading and gauging of rotary shouldered thread connections	This Uganda Standard specifies requirements on rotary shouldered connections for use in petroleum and natural gas industries, including dimensional requirements on threads and thread gauges, stipulations on gauging practice, gauge specifications, as well as instruments and methods for inspection of thread connections. These connections are intended primarily for use in drill-string components. This standard was PUBLISHED on 2015-06-30.	50000	Compulsory

21	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10427-1:2001	Petroleum and natural gas industries - Equipment for well cementing - Part 1: Casing bow-spring centralizers	This Uganda Standard provides minimum performance requirements, test procedures and marking requirements for casing bow-spring centralizers for the petroleum and natural gas industries. The procedures provide verification testing for the manufacturer's design, materials and process specifications, and periodic testing to confirm the consistency of product performance. This standard was PUBLISHED on 2015-12-15.	40000	Compulsory
22	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10427-2:2004	Petroleum and natural gas industries - Equipment for well cementing - Part 2: Centralizer placement and stop-collar testing	This Uganda Standard provides calculations for determining centralizer spacing, based on centralizer performance and desired standoff, in deviated and dogleg holes in wells for the petroleum and natural gas industries. It also provides a procedure for testing stop collars and reporting test	40000	Compulsory

				results. This standard was PUBLISHED on 2015-12-15.		
23	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10431:1993	Petroleum and natural gas industries - Pumping units - Specification	This Uganda Standard lays down specification covering the design and rating of pumping units. This standard was PUBLISHED on 2015-12-15.	60000	Compulsory
24	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10438-1:2007	Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 1: General requirements	This Uganda Standard specifies general requirements for lubrication systems, oil-type shaft-sealing systems, dry-gas face-type shaft-sealing systems and control-oil systems for general- or special-purpose applications. General-purpose applications are limited to lubrication systems. These systems can serve equipment such as compressors, gears, pumps and drivers. This part of US ISO 10438 is intended to be	80000	Compulsory

				used in conjunction with US ISO 10438-2, US ISO 10438-3 or US ISO 10438-4, as appropriate. This standard was PUBLISHED on 2015-12-15.		
25	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10438-2:2007	Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 2: Special-purpose oil systems	This Uganda Standard, in conjunction with of US ISO 10438-1, specifies requirements for oil systems for special purpose applications. These oil systems can provide lubrication oil, seal oil or both. These systems can serve equipment such as compressors, gears, pumps and drivers. This standard was PUBLISHED on 2015-12-15.	80000	Compulsory

26	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10438-3:2007	Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 3: General-purpose oil systems	This Uganda Standard, in conjunction with US ISO 10438-1, specifies requirements for oil systems for general purpose applications. These oil systems can provide lubrication oil, but not seal oil and can serve equipment such as compressors, gears, pumps. This standard was PUBLISHED on 2015-12-15.	60000	Compulsory
27	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10438-4:2007	Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 4:Self-acting gas seal support systems	This Uganda Standard in conjunction with US ISO 10438-1 specifies requirements for support systems for self-acting gas seals (dry gas seals), for example as described in ISO 10439 and ISO 10440-1. These systems can serve equipment such as compressors, gears, pumps and drivers. This standard was PUBLISHED on 2015-12-15.	60000	Compulsory

28	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10439-1:2015	Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander compressors ? Part 1: General requirement	This Uganda Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft, and integrally geared process centrifugal compressors, and expander compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical, and natural gas industries. This standard was PUBLISHED on 2015-12-15.	110000	Compulsory
29	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10439-2:2015	Petroleum, chemical and gas service industries ? Axial and centrifugal compressors and expander compressors ? Part 2: Non- integrally geared centrifugal and axial compressors	This Uganda Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft, and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical, and natural gas industries. This standard was	90000	Compulsory

				PUBLISHED on 2015-12-15.		
30	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10439-3:2015	Petroleum, chemical and natural gas service industries - Axial and centrifugal compressors and expander compressors - Part 3: Integrally geared centrifugal compressors	This Uganda Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors, and expander compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical, and natural gas industries. This part of US ISO 10439 specifies integrally geared centrifugal compressors in conjunction with US ISO 10439-1. This standard was PUBLISHED on 2015-12-15.	80000	Compulsory

31	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10461:2005	Gas cylinders - Seamless aluminium-alloy gas cylinders - Periodic inspection and testing	This Uganda Standard deals with seamless aluminium-alloy transportable gas cylinders intended for compressed and liquefied gases under pressure, of water capacity from 0.5 l to 150 l it also applies, as far as practical, to cylinders of less than 0.5 l water capacity. This standard specifies the requirements for periodic inspection and testing to verify the integrity of such gas cylinders for further service. This standard does not apply to periodic inspection and testing of acetylene cylinders or composite cylinders with aluminium-alloy liners. This standard was PUBLISHED on 2014- 10-15.	55000	Compulsory
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32	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11114-1:2012	Gas cylinders - Compatibility of cylinders and valve materials with gas contents - Part 1: Metallic materials	This Uganda Standard provides requirements for the selection of safe combinations of metallic cylinder and valve materials and cylinder gas content. The compatibility data given is related to single gases and to gas mixtures. Seamless metallic, welded metallic and composite gas cylinders and their valves, used to contain compressed, liquefied and dissolved gases, are considered. This standard was PUBLISHED on 2014-10-15.	65000	Compulsory
33	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11118:1999	Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods	This Uganda Standard specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes and tests at manufacture of non-refillable metallic gas cylinders of welded, brazed or seamless construction for compressed, liquefied and dissolved gases	35000	Compulsory

				exposed to extreme worldwide ambient temperatures. This standard was PUBLISHED on 2014-10-15.		
34	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11119-1: 2012	Gas cylinders - Refillable composite gas cylinders and tubes - Design, construction and testing - Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450	This Uganda Standard specifies requirements for composite gas cylinders and tubes between 0.5 l and 450 l water capacity, for the storage and conveyance of compressed or liquefied gases. This standard applies to type 2 hoop wrapped cylinder or tube with a load-sharing metal liner and composite reinforcement on the cylindrical portion only. This standard is limited to cylinders and tubes with composite reinforcement of carbon fibre, aramid fibre or glass fibre (or a mixture thereof) within a matrix or steel wire to provide	45000	Compulsory

				circumferential reinforcement. This standard was PUBLISHED on 2014-07-31.		
35	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11119-2: 2012	Gas cylinders - Refillable composite gas cylinders and tubes - Design, construction and testing - Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners	This Uganda Standard specifies requirements for composite gas cylinders and tubes between 0.5 l and 450 l water capacity, for the storage and conveyance of compressed or liquefied gases. This standard applies to type 3 fully wrapped cylinders or tubes with a load-sharing metal liner and composite reinforcement on both the cylindrical portion and the dome ends. This standard is limited	50000	Compulsory

				to cylinders and tubes with composite reinforcement of carbon fibre, aramid fibre or glass fibre (or a mixture thereof) within a matrix. This standard was PUBLISHED on 2014-07-31.		
36	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11119-3: 2013	Gas cylinders- Refillable composite gas cylinders and tubes Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load -sharing metallic or non-metallic liners	This Uganda Standard specifies requirements for composite gas cylinders up to 150 l water capacity and composite tubes above 150 l water capacity and up to 450 l water capacity, for the storage and conveyance of compressed or liquefied gases. This standard does not address the design, fitting and performance of removable protective sleeves. This standard was PUBLISHED on 2014-07-31.	65000	Compulsory

37	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13085:2014	Petroleum and natural gas industries - Aluminium alloy pipe for use as tubing for wells	This Uganda Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy pipes for use as tubing for wells in petroleum and natural gas industries. This standard was PUBLISHED on 2015-06-30.	50000	Compulsory
38	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13680:2010	Petroleum and natural gas industries - Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock - Technical delivery conditions	This Uganda Standard specifies the technical delivery conditions for corrosion-resistant alloy seamless tubulars for casing, tubing and coupling stock. This standard was PUBLISHED on 2015-12-15.	110000	Compulsory

39	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13706:2011	Petroleum, petrochemical and natural gas industries - Air-cooled heat exchangers	This Uganda Standard gives requirements and recommendations for the design, materials, fabrication, inspection, testing and preparation for shipment of air-cooled heat exchangers for use in the petroleum, petrochemical and natural gas industries. This standard is applicable to air-cooled heat exchangers with horizontal bundles, but the basic concepts can also be applied to other configurations. This standard was PUBLISHED on 2015-12-15. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.	110000	Compulsory
40	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13707:2000	Petroleum and natural gas industries ? Reciprocating compressors	This Uganda Standard covers the minimum requirements for reciprocating compressors and their drivers used in the petroleum and natural	110000	Compulsory

				gas industries with either lubricated or no lubricated cylinders. This standard was PUBLISHED on 2015-12-15.		
41	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13709:2009	Centrifugal pumps for petroleum, petrochemical and natural gas industries	This Uganda Standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, for use in petroleum, petrochemical and gas industry process services. This standard was PUBLISHED on 2015-12-15.	110000	Compulsory
42	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13710: 2004	Petroleum, petrochemical and natural gas industries - Reciprocating positive displacement pumps	This Uganda Standard specifies requirements for reciprocating positive-displacement pumps and pump units for use in the petroleum, petrochemical and natural gas industries. It is applicable to both direct-acting and power-frame types. This standard was PUBLISHED on 2015-12-15.	110000	Compulsory

43	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13847: 2013	Petroleum and natural gas industries - Pipeline transportation systems - Welding of pipelines	This Uganda Standard specifies requirements for the petroleum, petrochemical and natural gas industries, for producing and inspecting girth, branch and fillet welds in the pipeline part of pipeline transportation systems which meet the requirements of US ISO 13623 or equivalent. THIS STANDARD WAS PUBLISHED ON 2015-12-15.	110000	Compulsory
44	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14245:2006	Gas cylinders - Specification and testing of LPG cylinder valves - Self closing	This Uganda Standard specifies the requirements for design, specification and type testing for dedicated LPG self-closing cylinder valves specifically for use with transportable refillable LPG cylinders from 0,5 l up to 150 l water capacity. It includes references to associated equipment for vapour or liquid service. THIS STANDARD WAS PUBLISHED ON 2014-07-31.	35000	Compulsory

45	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14313:2007	Petroleum and natural gas industries - Pipeline transportation systems - Pipeline valves	This Uganda Standard specifies requirements and provides recommendations for the design, manufacturing, testing and documentation of ball, check, gate and plug valves for application in pipeline systems meeting the requirements of US ISO 13623 for the petroleum and natural gas industries. This standard is not applicable to subsea pipeline valves, as they are covered by a separate standard (ISO 14723). This standard is not applicable to valves for pressure ratings exceeding PN 420. THIS STANDARD WAS PUBLISHED ON 2015-12-15.	110000	Compulsory
46	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14732: 2013	Welding personnel - Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials	This Uganda Standard specifies requirements for qualification of welding operators and also weld setters for mechanized and automatic welding. This standard was PUBLISHED on 2015-	40000	Compulsory

				12-15.		
47	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15136-1: 2009	Petroleum and natural gas industries - Progressing cavity pump systems for artificial lift - Part 1: Pumps	<p>This Uganda Standard provides requirements for the design, design verification and validation, manufacturing and data control, performance ratings, functional evaluation, repair, handling and storage of progressing cavity pumps for use in the petroleum and natural gas industry. This part of US ISO 15136 is applicable to those products meeting the definition of progressing cavity pumps (PCP) included herein. Connections to the drive string and tubulars are not covered by this part of US ISO 15136. This standard was PUBLISHED on 2015-12-15.</p>	110000	Compulsory

48	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15136-2: 2006	Petroleum and natural gas industries - Progressing cavity pump systems for artificial lift - Part 2: Surface-drive systems	This Uganda Standard provides requirements for the design, design verification and validation, manufacturing and data control, performance ratings and repair of progressing cavity pump surface-drive systems for use in the petroleum and natural gas industry. This part of US ISO 15136 is applicable to those products meeting the definition of surface- drive systems. Additionally, informative annexes provide information on brake system selection, installation, and operation and sucker rod selection and use. This standard was PUBLISHED on 2015- 12-15.	65000	Compulsory
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49	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15546:2011	Petroleum and natural gas industries - Aluminium alloy drill pipe	This Uganda Standard specifies the technical delivery conditions, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminum alloy drill pipes with or without attached steel tool joints, for use in drilling and production operations in the petroleum and natural gas industries. This standard was PUBLISHED on 2015-06-30.	50000	Compulsory
50	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15463:2003	Petroleum and natural gas industries - Field inspection of new casing, tubing and plain-end drill pipe	This Uganda Standard specifies the technical delivery conditions, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminum alloy drill pipes with or without attached steel tool joints, for use in drilling and production operations in the petroleum and natural	50000	Compulsory

				gas industries. This standard was PUBLISHED on 2015-06-30.		
51	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15589-1:2015	Petroleum and natural gas industries - Cathodic protection of pipeline transportation systems - Part 1: On-land pipelines	This Uganda Standard specifies requirements and gives recommendations for the pre-installation surveys, design, materials, equipment, installation, commissioning, operation, inspection, and maintenance of cathodic protection systems for on-land pipelines, as defined in US ISO 13623 for the petroleum, petrochemical, and natural gas industries. This standard was PUBLISHED on 2015-12-15.	1100000	Compulsory

52	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15589-2:2012	Petroleum and natural gas industries - Cathodic protection of pipeline transportation systems - Part 2: Offshore pipelines	This Uganda Standard specifies requirements and gives recommendations for the pre-installation surveys, design, materials, equipment, fabrication, installation, commissioning, operation, inspection and maintenance of cathodic protection (CP) systems for offshore pipelines for the petroleum, petrochemical and natural gas industries as defined in US ISO 13623. This standard was PUBLISHED on 2015-12-15.	60000	Compulsory
53	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15590-3:2004	Petroleum and natural gas industries - Induction bends, fittings and flanges for pipeline transportation systems - Part 3: Flanges	This Uganda Standard applies to weldneck and blind flanges (full face, raised face, and RTJ groove) as well as anchor, swivel-ring flanges and orifice flanges. This standard was PUBLISHED on 2015-12-15.	40000	Compulsory

54	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16070:2005	Petroleum and natural gas industries - Downhole equipment - Lock mandrels and landing nipples	This Uganda Standard provides the requirements for lock mandrels and landing nipples within the production/injection conduit for the installation of flow control or other equipment used in the petroleum and natural gas industries. It includes the interface connections to the flow control or other equipment, but does not cover the connections to the well conduit. THIS STANDARD WAS PUBLISHED ON 2015-06-30.	50000	Compulsory
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55	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16812:2007	Petroleum, petrochemical and natural gas industries - Shell and-tube heat exchangers	This Uganda Standard specifies requirements and gives recommendations for the mechanical design, material selection, fabrication, inspection, testing and preparation for shipment of shell- and-tube heat exchangers for the petroleum, petrochemical and natural gas industries. This standard is applicable to the following types of shell- and-tube heat exchangers: heaters, condensers, coolers and reboilers. This standard is not applicable to vacuum-operated steam surface condensers and feed- water heaters. THIS STANDARD WAS PUBLISHED ON 2015- 12-15.	50000	Compulsory
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56	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17078-4:2010	Petroleum and natural gas industries - Drilling and production equipment - Part 4: Practices for side-pocket mandrels and related equipment	This Uganda Standard provides informative documentation to assist the user/purchaser and the supplier/manufacturer in specification, design, selection, testing, calibration, reconditioning, installation and use of side-pocket mandrels, flow-control devices and associated latches and installation tools. The product design and manufacturing-related requirements for these products are included within the other parts of US ISO 17078. THIS STANDARD WAS PUBLISHED ON 2014-10-15.	50000	Compulsory
57	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20312:2011	Petroleum and natural gas industries - Design and operating limits of drill strings with aluminium alloy components	This Uganda Standard applies to design and operating limits for drill strings containing aluminium alloy pipes manufactured in accordance with US ISO 15546. This standard was PUBLISHED on 2015-06-30.	50000	Compulsory

58	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21809-1:2011	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 1: Polyolefin coatings (3-layer PE and 3-layer PP)	This Uganda Standard specifies requirements of plant-applied external three-layer polyethylene- and polypropylene-based coatings for corrosion protection of welded and seamless steel pipes for pipeline transportation systems in the petroleum and natural gas industries in accordance with US ISO 13623. This standard was PUBLISHED on 2015-12-15.	70000	Compulsory
59	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21809-2:2014	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 2: Single layer fusion-bonded epoxy coatings	This Uganda Standard specifies the requirements for qualification, application, testing and handling of materials for plant application of single layer fusion-bonded epoxy (FBE) coatings applied externally for the corrosion protection of bare steel pipe for use in pipeline transportation systems for the petroleum and natural gas industries as defined in US ISO	70000	Compulsory

				13623. This standard was PUBLISHED on 2015-12-15.		
60	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21809-3:2011	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 3: Field joint coatings	This Uganda Standard specifies requirements for field joint coating of seamless or welded steel pipes for pipeline transportation systems in the petroleum and natural gas industries as defined in US ISO 13623. This standard was PUBLISHED on 2015-12-15.	110000	Compulsory

61	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21809-4:2009	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 4: Polyethylene coatings (2-layer PE)	This Uganda Standard specifies the requirements for qualification, application, inspection, testing, handling and storage of materials for plant application of two-layer polyethylene coatings (2-layer PE) applied externally for the corrosion protection of bare steel pipe for use in pipeline transportation systems for the petroleum and natural gas industries as defined in US ISO 13623. This standard was PUBLISHED on 2015-12-15.	50000	Compulsory
62	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21809-5:2010	Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 5: External concrete coatings	This Uganda Standard specifies the requirements for qualification, application, testing and handling of materials required for the application of reinforced concrete coating externally to either bare pipe or pre-coated pipe for use in pipeline transportation systems for the petroleum and natural	50000	Compulsory

				gas industries as defined in US ISO 13623. This standard was PUBLISHED on 2015-12-15.		
63	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 27627:2014	Petroleum and natural gas industries - Aluminium alloy drill pipe thread connection gauging	This Uganda Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy drill pipes manufactured in accordance with US ISO 15546. This standard was PUBLISHED on 2015-06-30	50000	Compulsory

64	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 15544:2000	Petroleum and natural gas industries - Offshore production installations - Requirements and guidelines for emergency response	This Uganda Standard describes objectives, functional requirements and guidelines for emergency response (ER) measures on installations used for the development of offshore hydrocarbon resources. It is applicable to fixed offshore structures or floating production, storage and off-take systems. This standard was PUBLISHED on 2015-06-30. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.	70000	Compulsory
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65	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 25457:2008	Petroleum, petrochemical and natural gas industries - Flare details for general refinery and petrochemical service	This Uganda Standard specifies requirements and provides guidance for the selection, design, specification, operation and maintenance of flares and related combustion and mechanical components used in pressure-relieving and vapour-depressurizing systems for petroleum, petrochemical and natural gas industries. Although this standard is primarily intended for new flares and related equipment, it is also possible to use it to evaluate existing flare facilities. This standard was PUBLISHED on 2015-06-30.	60000	Compulsory
66	ENGINEERING AND CONSTRUCTION STANDARDS	US ISO 9606-2: 2004	Qualification test of welders - Fusion welding - Part 2: Aluminium and aluminium alloys	This Uganda Standard specifies essential requirements, ranges of approval, test conditions, acceptance requirements and certification for the approval testing of welder performance for the welding of aluminium. This standard was	50000	Voluntary

				PUBLISHED on 2017-12-12.		
67	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 148-1:2009	Metallic materials - Charpy pendulum impact test - Part 1:Test method	This Uganda Standard specifies the Charpy pendulum impact (V-notch and U-notch) test method for determining the energy absorbed in an impact test of metallic materials. This standard was PUBLISHED on 2015-12-15.	30000	Voluntary
68	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 228-1: 2000	Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation	This Uganda Standard specifies the requirements for thread form, dimensions, tolerances and designation for fastening pipe threads, thread sizes 1/16 to 6 inclusive. Both internal and external threads are parallel threads, intended for the mechanical assembly of the component parts of fittings, cocks and valves, accessories, etc. This standard was	25000	Voluntary

				PUBLISHED on 2014-07-31.		
69	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 844:2007	Rigid cellular plastics - Determination of compression properties	This Uganda Standard specifies a method of determining the compressive strength and corresponding relative deformation, the compressive stress at 10 % relative deformation and when desired, the compressive modulus of rigid cellular plastics. This standard was PUBLISHED on 2011-12-20	25000	Voluntary
70	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 845:2006	Cellular plastics and rubbers - Determination of apparent density	This Uganda Standard specifies a method for determining the apparent overall density and the apparent core density of cellular plastics and rubbers. This standard was PUBLISHED on 2011-12-20. THIS	25000	Voluntary

				STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.		
71	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 857-1: 1998	Welding and allied processes - Vocabulary - Part 1: Metal welding processes	This Uganda Standard defines metal welding processes and relating terms. This standard was PUBLISHED on 2015-12-15	30000	Voluntary
72	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1209-1:2007	Rigid cellular plastics - Determination of flexural properties - Part 1: Basic bending test	This Uganda Standard specifies a simple method for assessing the behaviour of a bar of rigid cellular plastic under the action of three-point bending. It may be used to determine either the load for a specified deformation or the load at break. This standard was PUBLISHED on 2011-12-20. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.	20000	Voluntary

73	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1209-2:2007	Rigid cellular plastics - Determination of flexural properties - Part 2: Determination of flexural strength and apparent flexural modulus of elasticity	This Uganda Standard specifies a method for determining the flexural strength and the apparent flexural modulus of elasticity of rigid cellular plastics. This standard was PUBLISHED on 2011-12-20. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.	20000	Voluntary
74	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-1:1998	Petroleum industry - Terminology - Part 1: Raw materials and products	This Uganda Standard consists of a list of equivalent terms, in use in the petroleum industry to indicate raw materials or petroleum products, together with the corresponding definitions. This standard was PUBLISHED on 2011-12-20.	60000	Voluntary
75	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-2:1998	Petroleum industry - Terminology - Part 2: Properties and tests	This Uganda Standard consists of a list of terms, in use in the petroleum industry to indicate properties of petroleum products and test methods,	40000	Voluntary

				together with the corresponding definitions. This standard was PUBLISHED on 2011-12-20.		
76	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-4:1998	Petroleum industry - Terminology - Part 4: Refining	This Uganda Standard consists of a list of terms, in use in the petroleum industry in the area of refining, together with the corresponding definitions. This standard was PUBLISHED on 2011-12-20.	20000	Voluntary
77	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-5:1998	industry - Terminology - Part 5: Transport, storage, distribution	This Uganda Standard consists of a list of terms, in use in the petroleum industry in the area of transport, storage and distribution, together with the corresponding definitions. This standard was PUBLISHED on 2011-12-20.	30000	Voluntary

78	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-6:1998	Petroleum industry - Terminology - Part 6: Measurement	This Uganda Standard introduces a list of terms, in use in the petroleum industry to indicate the measurement of crude oils and petroleum products, together with the corresponding definitions. This standard was PUBLISHED on 2011-12-20.	65000	Voluntary
79	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-7:1998	Petroleum industry - Terminology - Part 7: Miscellaneous terms	This Uganda Standard consists of a list of terms, with the corresponding definitions, in use in the petroleum industry and that are not definitely relevant to one of the six categories of other parts of this standard. This standard was PUBLISHED on 2011-12-20.	20000	Voluntary

80	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-99:2000	Petroleum industry - Terminology - Part 99: General and index	This Uganda Standard gives a list of terms in use in the petroleum industry, accompanied by the corresponding definitions. It was compiled to serve an evident need for a ready form of reference document. It therefore does not include all the possible terms, those terms of which significance is unambiguous being excluded. This standard was PUBLISHED on 2011-12-20.	40000	Voluntary
81	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2049:1996	Petroleum products - Determination of colour (ASTM scale)	This Uganda Standard specifies a method for the visual determination of the colour of a variety of petroleum products, such as lubricating oils, heating fuels, diesel fuels and petroleum waxes. It is limited to products that do not contain artificial dyes. This standard was PUBLISHED on 2011-12-20.	30000	Voluntary

82	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2160:1998	Petroleum products - Corrosiveness to copper - Copper strip test	This Uganda Standard specifies a method for the determination of the corrosiveness to copper of liquid petroleum products and certain solvents. Volatile products, having a maximum vapour pressure of 124 kPa at 37.80C are included. This standard was PUBLISHED on 2011-12-20.	30000	Voluntary
83	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2719:2002	Determination of flash point - Pensky-Martens closed cup method	This Uganda Standard describes two procedures, A and B, using the Pensky-Martens closed cup tester, for determining the flash point of combustible liquids, liquids with suspended solids, liquids that tend to form a surface film under the test conditions and other liquids. It is applicable for liquids with a flash point above 40 Degrees Celcius. This standard was PUBLISHED on 2011-12-20.	25000	Voluntary

84	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3104:1994	Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity	This Uganda Standard specifies a procedure for the determination of the kinematic viscosity, ν , of liquid petroleum products, both transparent and opaque, by measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer. The dynamic viscosity, η , can be obtained by multiplying the measured kinematic viscosity by the density, ρ , of the liquid. This standard was PUBLISHED on 2011-12-20.	30000	Voluntary
85	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3183: 2012	Petroleum and natural gas industries - Steel pipe for pipeline transportation systems	This Uganda Standard specifies requirements for the manufacture of two product specification levels (PSL 1 and PSL 2) of seamless and welded steel pipes for use in pipeline transportation systems in the petroleum and natural gas industries. This standard is not applicable to cast pipe.	30000	Voluntary

				This standard was PUBLISHED on 2015-12-15.		
86	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3405:2000	Petroleum products - Determination of distillation characteristics at atmospheric pressure	This Uganda Standard specifies a laboratory method for the determination of the distillation characteristics of light and middle distillates derived from petroleum with initial boiling points above 0 Degrees Celcius and end-points below approximately 400 Degrees C, utilizing either manual or automated equipment, with the manual procedure being the referee method in cases of dispute, unless otherwise agreed. This standard was PUBLISHED on 2012-07-10	30000	Voluntary

87	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3837:1993	Liquid petroleum products - Determination of hydrocarbon types - Fluorescent indicator adsorption method	This Uganda Standard specifies a fluorescent indicator adsorption method for the determination of hydrocarbon types over the concentration ranges from 5 % (VW) to 99 % (WV) aromatic hydrocarbons, 0.3 % (VW) to 55 % (V/V) olefins, and 1 % (VIV) to 95 % (V/v) saturated hydrocarbons in petroleum fractions that distill below 315 °C. THIS STANDARD WAS PUBLISHED ON 2011-12-20.	30000	Voluntary
88	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3993: 1984	Liquefied petroleum gas and light hydrocarbons - Determination of density or relative density - Pressure hydrometer method	This Uganda Standard specifies a method for the determination of density or relative density of liquefied petroleum gases and other light hydrocarbons. The prescribed apparatus shall not be used for materials having gauge vapour pressures higher than 1.4 MPa (14 bar) (absolute vapour pressure 1.5 MPa) at the test temperature. Alternative calibration	25000	Voluntary

				procedures are described, but only the one using a certified hydrometer is suitable for the determination of density to be used in calculations of quantities for custody transfer or fiscal purposes. This standard was PUBLISHED on 2015-12-15.		
89	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4136: 2012	Destructive tests on welds in metallic materials - Transverse tensile test	This Uganda Standard specifies the sizes of test specimen and the procedure for carrying out transverse tensile tests in order to determine the tensile strength and the location of fracture of a welded butt joint. This standard applies to metallic materials in all forms of product with joints made by any fusion welding process. This standard was PUBLISHED on 2015-12-15.	20000	Voluntary

90	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4256:1996	Liquefied petroleum gases - Determination of gauge vapour pressure - LPG method	This Uganda Standard describes a method for the determination of gauge vapour pressures of liquefied petroleum gas products (see clause 3) at temperatures within the approximate range of 35 Degrees Celsius to 70 Degrees Celsius. This standard was PUBLISHED on 2015-12-15.	20000	Voluntary
91	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4257: 2001	Liquefied petroleum gases - Method of sampling	This Uganda Standard specifies the procedure to be used for obtaining samples of unrefrigerated liquefied petroleum gases (LPG). It is suitable for sampling from bulk containers, to provide samples for laboratory testing of products. This standard was PUBLISHED on 2015-12-15.	20000	Voluntary
92	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4512:2007	Petroleum and liquid petroleum products - Equipment for measurement of liquid levels in storage tanks - Manual methods	This Uganda Standard specifies the requirements for the equipment required to measure manually the liquid level or the corresponding volume of petroleum and petroleum products	45000	Voluntary

				stored in tanks and containers. This standard was PUBLISHED on 2011-12-20		
93	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5145: 2014	Cylinder valve outlets for gases and gas mixtures - Selection and dimensioning	This Uganda Standard establishes practical criteria for determining valve outlet connections for gas cylinders. It applies to the selection of gas cylinder valve outlet connections and specifies the dimensions for a number of them. This standard does not apply to connections used for cryogenic gas withdrawal or gases for breathing equipment, which are the subjects of other International Standards. This standard was PUBLISHED on 2015-12-15.	50000	Voluntary

94	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5165:1998	Petroleum products - Determination of the ignition quality of diesel fuels - Cetane engine method	This Uganda Standard establishes the rating of diesel fuel oil in terms of an arbitrary scale of cetane numbers using a standard single cylinder, four-stroke cycle, variable compression ratio, indirect injected diesel engine. The cetane number provides a measure of the ignition characteristics of diesel fuel oil in compression ignition engines. The cetane number is determined at constant speed in a pre-combustion chamber-type compression ignition test engine. This standard was PUBLISHED on 2011-12-20.	30000	Voluntary
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95	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5173: 2009	Destructive tests on welds in metallic materials - Bend tests	This Uganda Standard specifies a method for making transverse root, face and side bend tests on test specimens taken from butt welds, butt welds with cladding (subdivided into welds in clad plates and clad welds) and cladding without butt welds, in order to assess ductility and/or absence of imperfections on or near the surface of the test specimen. It also gives the dimensions of the test specimen. This standard was PUBLISHED on 2015-12-15.	30000	Voluntary
96	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5178: 2001	Destructive tests on welds in metallic materials - Longitudinal tensile test on weld metal in fusion welded joints	This Uganda Standard specifies the sizes of test specimens and the test procedure for carrying out longitudinal tensile tests on cylindrical test specimens in order to determine the mechanical properties of weld metal in a fusion welded joint. This standard was PUBLISHED on 2015-12-15.	30000	Voluntary

97	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6246:1995	Petroleum products - Gum content of light and middle distillate fuels - Jet evaporation method	This Uganda Standard specifies a method for the determination of the existent gum content of aviation fuels, and the gum content of motor gasolines or other volatile distillates in their finished form, and at the time of test This standard was PUBLISHED on 2011- 12-20	25000	Voluntary
98	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6251: 1996	Liquefied petroleum gases - Corrosiveness to copper - Copper strip test	This Uganda Standard describes a method for the determination of the corrosiveness to copper of liquefied petroleum gases This standard was PUBLISHED on 2015-12-15	40000	Voluntary

99	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6406:2005	Gas cylinders - Seamless steel gas cylinders- Periodic inspection and testing	This Uganda Standard deals with seamless steel transportable gas cylinders (single or those that comprise a bundle) intended for compressed and liquefied gases under pressure, of water capacity from 0.5 l up to 150 l it also applies, as far as practical, to cylinders of less than 0.5 l water capacity. This standard specifies the requirements for periodic inspection and testing to verify the integrity of such gas cylinders to be re-introduced into service for a further period of time. This standard does not apply to periodic inspection and testing of acetylene cylinders or composite cylinders with steel liners. This standard was PUBLISHED on 2015-12-15	50000	Voluntary
100	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6507-1: 2005	Metallic materials - Vickers hardness test - Part 1: Test method	This Uganda Standard specifies the Vickers hardness test method, for the three different ranges of test force for	40000	Voluntary

				metallic materials This standard was PUBLISHED on 2015-12-15		
101	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6520-1:2007	Welding and allied processes - Classification of geometric imperfections in metallic materials - Part 1: Fusion welding	This Uganda Standard serves as the basis for a precise classification and description of weld imperfections. In order to avoid any confusion, the types of imperfection are defined with explanations and illustrations where necessary. Metallurgical imperfections are not included. This standard was PUBLISHED on 2015-12-15	40000	Voluntary
102	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6947:2011	Welding and allied processes - Welding positions	This Uganda Standard defines welding positions for testing and production, for butt and fillet welds, in all product forms This standard was PUBLISHED on 2015-12-15	30000	Voluntary

103	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7507-1:2003	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 1: Strapping method	This Uganda Standard specifies a method for the calibration of substantially vertical cylindrical tanks by measuring the tank using a strapping tape. This standard was PUBLISHED on 2011-12-20	80000	Voluntary
104	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7507-2:2005	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 2: Optical-reference line method	This Uganda Standard specifies a method for the calibration of tanks above eight metres in diameter with cylindrical courses that are substantially vertical. It provides a method for determining the volumetric quantity contained within a tank at gauged liquid levels. This standard was PUBLISHED on 2011-12-20	45000	Voluntary

105	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7507-3:2006	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 3: Optical-triangulation method	This Uganda Standard specifies a calibration procedure for application to tanks above 8 m in diameter with cylindrical courses that are substantially vertical. It provides a method for determining the volumetric quantity contained within a tank at gauged liquid levels. The measurements required to determine the radius are made either internally or externally. The external method is applicable only to tanks that are free of insulation. This standard was PUBLISHED on 2011-12-20	55000	Voluntary
106	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7507-4:1995	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 4: Internal electro-optical distance-ranging method	This Uganda Standard specifies a method for the calibration of vertical cylindrical tanks having diameters greater than 5 m by means of internal measurements using an electro-optical distance ranging instrument, and for the subsequent compilation of tank capacity tables. This	30000	Voluntary

				method is known as the internal electro-optical distance-ranging (EODR) method. This standard was PUBLISHED on 2011-12-20		
107	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7507-5:2000	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 5: External electro-optical distance-ranging method	This Uganda Standard specifies a method for the calibration of non-insulated vertical cylindrical tanks having diameters greater than 5 m, by means of external measurement using an electro-optical distance-ranging method (EODR), and for the subsequent compilation of tank capacity tables. (This Uganda Standard is an adoption of the International Standard ISO 7507-5:2000). This standard was PUBLISHED on 2011-12-20	30000	Voluntary

108	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO/TR 7507-6:1997	Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 6: Recommendations for monitoring, checking and verification of tank calibration and capacity table	This Uganda Standard gives guidance on monitoring the accuracy of the calibration and the tank capacity table of a vertical cylindrical tank. This standard was published on 2011-12-20.	30000	Voluntary
109	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7941: 1988	Commercial propane and butane - Analysis by gas chromatography	This Uganda Standard specifies a gas chromatographic method for the quantitative determination of hydrocarbons in liquefied Petroleum gas (LPG), excluding components whose concentrations are below 0.1 % (m/m). It is applicable to the analysis of propane, butane and their commercial mixtures, which may include saturated and unsaturated C2, C3, C4 and C5 hydrocarbons. It does not apply to `on-line` chromatography. This standard was PUBLISHED on 2015-12-15	30000	Voluntary

110	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8819: 1993	Liquefied petroleum gases - Detection of hydrogen sulfide - Lead acetate method	This Uganda Standard specifies a method for the detection of hydrogen sulfide in liquefied petroleum gases. This standard was PUBLISHED on 2015-12-15.	30000	Voluntary
111	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8973: 1997	Liquefied petroleum gases - Calculation method for density and vapour pressure	This Uganda Standard describes a simplified method for the calculation of density and vapour pressure of liquefied petroleum gases (LPG) based on compositional data and density and vapour pressure factors for individual LPG components. A list of factors is provided in this standard. This method is intended for application in specifications of product quality and is not intended for application to quantity measurement in custody transfer (see ISO 6578). This standard was PUBLISHED on 2015-12-15	30000	Voluntary

112	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9015-1: 2001	Destructive tests on welds in metallic materials - Hardness testing - Part 1: Hardness test on arc welded joints	This Uganda Standard specifies hardness tests on transverse sections of arc welded joints of metallic materials. It covers Vickers hardness tests in accordance with ISO 6507-1, normally with test loads of 49,03 N or 98,07 N (HV 5 or HV 10). This standard was PUBLISHED on 2015-12-15	30000	Voluntary
113	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9328-5:2011	Steel flat products for pressure purposes - Technical delivery conditions - Part 5: Weldable fine grain steels, thermomechanically rolled	This Uganda Standard specifies the requirements for flat products for pressure equipment, made of thermomechanically rolled weldable fine grain steels. This standard was PUBLISHED on 2014-10-15	30000	Voluntary

114	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10407- 2:2008	Petroleum and natural gas industries - Rotary drilling equipment - Part 2: Inspection and classification of used drillstem elements	This Uganda Standard specifies the required inspection for each level of inspection and procedures for the inspection and testing of used drill stem elements. For the purpose of this part of US ISO 10407, drill stem elements include drill pipe body, tool joints, rotary-shouldered connections, drill collar, HWDP and the ends of drill stem elements that make up with them. This part of US ISO 10407 has been prepared to address the practices and technology commonly used in inspection. This standard was PUBLISHED on 2014- 10-15.	110000	Compulsory
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115	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10414-1:2008	Petroleum and natural gas industries - Field testing of drilling fluids - Part 1: Water-based fluids	This Uganda Standard provides standard procedures for determining the following characteristics of water-based drilling fluids drilling fluid density (mud weight), viscosity and gel strength, filtration, water, oil and solids contents, sand content, methylene blue capacity, pH, alkalinity and lime content, chloride content and total hardness as calcium. This standard was PUBLISHED on 2014-10-15.	110000	Voluntary
116	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10414-2:2011	Petroleum and natural gas industries - Field testing of drilling fluids - Part 2: Oil-based fluids	This Uganda Standard provides standard procedures for determining the following characteristics of oil-based drilling fluids drilling fluid density (mud weight), viscosity and gel strength, filtration, oil, water and solids concentrations, alkalinity, chloride concentration and calcium concentration, electrical stability, lime	110000	Voluntary

				and calcium concentrations, calcium chloride and sodium chloride concentrations, low-gravity solids and weighting material concentrations. This standard was PUBLISHED on 2014-10-15.		
117	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10416:2008	Petroleum and natural gas industries - Drilling fluids - Laboratory testing	This Uganda Standard provides procedures for the laboratory testing of both drilling fluid materials and drilling fluid physical, chemical and performance properties. It is applicable to both water-based and oil-based drilling fluids, as well as the base or `make-up` fluid. This standard was PUBLISHED on 2015-12-15.	110000	Voluntary

118	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10423:2009	Petroleum and natural gas industries - Drilling and production equipment - Wellhead and christmas tree equipment	This Uganda Standard specifies requirements and gives recommendations for the performance, dimensional and functional interchangeability, design, materials, testing, inspection, welding, marking, handling, storing, shipment, purchasing, repair and remanufacture of wellhead and christmas tree equipment for use in the petroleum and natural gas industries. This standard was PUBLISHED on 2014-10-15.	110000	Compulsory
119	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10426-1:2009	Petroleum and natural gas industries - Cements and materials for well cementing - Part 1: Specification	This Uganda Standard specifies requirements and gives recommendations for six classes of well cements, including their chemical and physical requirements and procedures for physical testing. This standard was PUBLISHED on 2014-10-15.	55000	Compulsory

120	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10426-2:2003	Petroleum and natural gas industries - Cements and materials for well cementing - Part 2: Testing of well cements	This Uganda Standard specifies requirements and gives recommendations for the testing of cement slurries and related materials under simulated well conditions. This standard was PUBLISHED on 2014-10-15.	110000	Compulsory
121	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10426-4:2004	Petroleum and natural gas industries - Cements and materials for well cementing - Part 4: Preparation and testing of foamed cement slurries at atmospheric pressure	This Uganda Standard defines the methods for the generation and testing of foamed cement slurries and their corresponding unfoamed base cement slurries at atmospheric pressure. This standard was PUBLISHED on 2015-12-15.	40000	Voluntary
122	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10426-5:2004	Petroleum and natural gas industries - Cements and materials for well cementing - Part 5: Determination of shrinkage and expansion of well cement formulations at atmospheric pressure	This Uganda Standard provides the methods for the testing of well cement formulations to determine the dimension changes during the curing process (cement hydration) at atmospheric pressure only. This is a base document, because under real well	40000	Voluntary

				cementing conditions shrinkage and expansion take place under pressure and different boundary conditions. This standard was PUBLISHED on 2015-12-15.		
123	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10427-3:2003	Petroleum and natural gas industries - Equipment for well cementing - Part 3: Performance testing of cementing float equipment	This Uganda Standard describes testing practices to evaluate the performance of cementing float equipment for the petroleum and natural gas industries. This part of US ISO 10427 is applicable to float equipment that will be in contact with water-based fluids used for drilling and cementing wells. It is not applicable to float equipment performance in non-water-based fluids. This standard was PUBLISHED on 2015-12-15.	40000	Voluntary

124	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11114-2 :2012	Gas cylinders - Compatibility of cylinders and valve materials with gas contents - Part 2: Non-metallic materials	<p>This Uganda Standard gives guidance in the selection and evaluation of compatibility between non-metallic materials for gas cylinders and valves and the gas contents. It also covers bundles, tubes and pressure drums. This standard can be helpful for composite and laminated materials used for gas cylinders. It does not cover the subject completely and is intended to give guidance only in evaluating the compatibility of gas/material combinations. Only the influence of the gas in changing the material and mechanical properties is considered (for example chemical reaction or change in physical state). The basic properties of the materials, such as mechanical properties, required for design purposes are normally available from the</p>	30000	Voluntary
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				<p>materials supplier and are not considered in this part of the standard. The compatibility data given are related to single component gases but can be used to some extent for gas mixtures. Ceramics, glasses, and adhesives are not covered by this part of the standard. Other aspects such as quality of delivered gas are not considered. This part of US ISO 11114 is not intended to be used for cryogenic fluids. This standard was PUBLISHED on 2014-10-15.</p>		
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125	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11120:1999	Gas cylinders - Refillable seamless steel tubes of water capacity between 150 l and 3 000 l - Design, construction and testing	This Uganda Standard specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes and tests at manufacture of refillable quenched and tempered seamless steel tubes of water capacities from 150 l up to and including 3 000 l for compressed and liquefied gases exposed to extreme world-wide ambient temperatures (normally between -50 Degrees Celcius and +65 Degrees Celcius). This standard is applicable to tubes with a maximum tensile strength Rm of less than 1 100 MPa. These tubes can be used alone or in batteries to equip trailers or skids (ISO modules) for the transportation and distribution of compressed gases. This standard does not include consideration of any additional stresses	55000	Voluntary
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				that may occur during service or transport, e.g. bending stresses, etc. This standard was PUBLISHED on 2014-10-15.		
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126	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11223:2004	Petroleum and liquid petroleum products - Direct static measurements - Measurement of content of vertical storage tanks by hydrostatic tank gauging	This Uganda Standard gives guidance on the selection, installation, commissioning, maintenance, validation and calibration of hydrostatic tank-gauging (HTG) systems for the direct measurement of static mass in petroleum storage tanks. It is intended to cover custody transfer applications, although details of other, less accurate, measurements are included for information. It also gives guidance on calculations of standard volume from measured mass and independently measured reference density. Information is also included on measurements of observed and standard volume using density measured by the HTG system itself. This standard was PUBLISHED on 2011-12-20.	75000	Voluntary
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127	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11621:1997	Gas cylinders - Procedures for change of gas service	This Uganda Standard applies to seamless steel, aluminium alloy and welded steel refillable cylinders of all sizes, including large cylinders (water capacity greater than 150 l). It provides general requirements and procedures to be considered whenever a cylinder is being transferred from one gas service to another for permanent and liquefied gases. It does not apply to cylinders for dissolved acetylene, radioactive gases or gases listed in group G of Table 1. This standard was PUBLISHED on 2015-12-15.	30000	Voluntary
128	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11960:2014	Petroleum and natural gas industries - Steel pipes for use as casing or tubing for wells	This Uganda Standard specifies the technical delivery conditions for steel pipes (casing, tubing and pup joints), coupling stock, coupling material and accessory material and establishes requirements for three Product Specification	110000	Compulsory

				Levels (PSL-1, PSL-2, PSL-3). This standard was PUBLISHED on 2014-10-15.		
129	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11961:2008	Petroleum and natural gas industries - Steel drill pipe	This Uganda Standard specifies the technical delivery conditions for steel drill-pipes with upset pipe-body ends and weld-on tool joints for use in drilling and production operations in petroleum and natural gas industries for three product specification levels (PSL-1, PSL-2 and PSL-3). This standard was PUBLISHED on 2014-10-15.	110000	Compulsory

130	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12917-1:2002	Petroleum and liquid petroleum products - Calibration of horizontal cylindrical tanks - Part 1: Manual methods	<p>This Uganda Standard specifies manual methods for the calibration of nominally horizontal cylindrical tanks, installed at a fixed location. It is applicable to horizontal tanks up to 4 m in diameter and 30 m in length. The methods are applicable to insulated and non-insulated tanks, either when they are above-ground or underground. The methods are applicable to pressurized tanks, and to both knuckle-dish-end and flat-end cylindrical tanks as well as elliptical and spherical head tanks. This part of US ISO 12917 is applicable to tanks inclined by up to 10 % from the horizontal provided a correction is applied for the measured tilt. This standard was PUBLISHED on 2011-12-20.</p>	35000	Voluntary
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131	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12917- 2:2002	Petroleum and liquid petroleum products - Calibration of horizontal cylindrical tanks - Part 2: Internal electro-optical distance-ranging method	This Uganda Standard specifies a method for the calibration of horizontal cylindrical tanks having diameters greater than 2 m by means of internal measurements using an electro-optical distance- ranging instrument, and for the subsequent compilation of tank- capacity tables. This method is known as the internal electro-optical distance-ranging (EODR) method. This part of US ISO 12917 is applicable to tanks inclined by up to 10 % from the horizontal, provided a correction is applied for the measured tilt. This standard was PUBLISHED on 2011- 12-20.	35000	Voluntary
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132	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12937:2000	Petroleum products - Determination of water - Coulometric Karl Fischer titration method	This Uganda Standard specifies a method for the direct determination of water in petroleum products boiling below 390 Degrees Celcius. It covers the mass fraction range 0,003 % (m/m) to 0,100%(m/m). It is not applicable to products containing ketones or to residual fuel oils. This standard may be applicable to lubricating base oils. However, the precision has not been established for these materials. This standard was PUBLISHED on 2011-07-30.	30000	Voluntary
133	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13341:2010	Gas cylinders - Fitting of valves to gas cylinders	This Uganda Standard specifies the procedures to be followed when connecting cylinder valves to gas cylinders. It specifically applies to all valve and cylinder combinations connected with ISO screw threads as specified in ISO 10920 and ISO 11363-1. It defines routines for inspection and	35000	Voluntary

				preparation prior to valving for both taper and parallel screw threads. This standard was PUBLISHED on 2014-10-15.		
134	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13500:2008	Petroleum and natural gas industries - Drilling fluid materials - Specifications and tests	This Uganda Standard covers physical properties and test procedures for materials manufactured for use in oil- and gas-well drilling fluids. The materials covered are barite, haematite, bentonite, nontreated bentonite, OCMA-grade bentonite, attapulgite, sepiolite, technical-grade low-viscosity carboxymethylcellulose (CMC-LVT), technical-grade high-viscosity carboxymethylcellulose (CMC-HVT), starch, low-viscosity polyanionic cellulose (PAC-LV), high-viscosity polyanionic	110000	Compulsory

				cellulose (PAC-HV) and drilling-grade Xanthomonas campestris (Xanthan gum). This standard was PUBLISHED on 2014-10-15.		
135	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13501:2011	Petroleum and natural gas industries - Drilling fluids - Processing equipment evaluation	This Uganda Standard specifies a standard procedure for assessing and modifying the performance of solids control equipment systems commonly used in the field in petroleum and natural gas drilling fluids processing. This standard was PUBLISHED on 2015-12-15.	80000	Voluntary

136	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13503-1:2011	Petroleum and natural gas industries - Completion fluids and materials - Part 1: Measurement of viscous properties of completion fluids	This Uganda Standard provides consistent methodology for determining the viscosity of completion fluids used in the petroleum and natural gas industries. For certain cases, methods are also provided to determine the rheological properties of a fluid. This standard was PUBLISHED on 2015-12-15. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.	40000	Voluntary
137	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13503-3:2005	Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines	This Uganda Standard covers the physical properties, potential contaminants and test procedures for heavy brine fluids manufactured for use in oil and gas well drilling, completion and workover fluids. This standard was PUBLISHED on 2015-12-15.	40000	Voluntary

138	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13503-4:2006	Petroleum and natural gas industries - Completion fluids and materials - Part 4: Procedure for measuring stimulation and gravel-pack fluid leak-off under static conditions	This Uganda Standard provides for consistent methodology to measure fluid loss of stimulation and gravel-pack fluid under static conditions. However, the procedure in this part of US ISO 13503 excludes fluids that react with porous media. This standard was PUBLISHED on 2015-12-15.	40000	Voluntary
139	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13503-6:2014	Petroleum and natural gas industries - Completion fluids and materials - Part 6: Procedure for measuring leak-off of completion fluids under dynamic conditions	This Uganda Standard provides consistent methodology for measuring the fluid loss of completion fluids under dynamic conditions. This part of US ISO 13503 is applicable to all completion fluids except those that react with porous media. This standard was PUBLISHED on 2015-12-15.	40000	Voluntary

140	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13533:2001	Petroleum and natural gas industries - Drilling and production equipment - Drillthrough equipment	This Uganda Standard specifies requirements for performance, design, materials, testing and inspection, welding, marking, handling, storing and shipping of drill-through equipment used for drilling for oil and gas. It also defines service conditions in terms of pressure, temperature and wellbore fluids for which the equipment will be designed. This standard was PUBLISHED on 2014-10-15.	110000	Voluntary
141	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13534:2000	Petroleum and natural gas industries - Drilling and production equipment - Inspection, maintenance, repair and remanufacture of hoisting equipment	This Uganda Standard gives guidelines and establishes requirements for inspection, maintenance, repair and remanufacture of items of hoisting equipment used in drilling and production operations, in order to maintain the serviceability of this equipment. This standard was PUBLISHED on 2014-	35000	Voluntary

				10-15.		
142	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13535:2000	Petroleum and natural gas industries - Drilling and production equipment - Hoisting equipment	This Uganda Standard provides requirements for the design, manufacture and testing of hoisting equipment suitable for use in drilling and production operations. This standard was PUBLISHED on 2014-10-15.	65000	Voluntary
143	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13588: 2012	Non-destructive testing of welds - Ultrasonic testing - Use of automated phased array technology other non-destructive testing (NDT) methods or techniques, for manufacturing inspection, pre-service and for in-service inspection	This Uganda Standard specifies the application of the phased array technology for the semi- or fully automated ultrasonic testing of fusion-welded joints in metallic materials of minimum thickness 6 mm. It applies to full penetration welded joints of simple geometry in plates, pipes, and vessels, where both the weld	40000	Voluntary

				and parent material are low-alloyed carbon steel. This standard was PUBLISHED on 2015-12-15.		
144	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13626:2003	Petroleum and natural gas industries - Drilling and production equipment - Drilling and well-servicing structures	This Uganda Standard specifies requirements and gives recommendations for suitable steel structures for drilling and well-servicing operations in the petroleum industry, provides a uniform method of rating the structures, and provides two product specification levels. This standard was PUBLISHED on 2014-10-15.	65000	Voluntary

145	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13678:2010	Petroleum and natural gas industries - Evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements	This Uganda Standard provides requirements, recommendations and methods for the testing of thread compounds intended for use on threaded casing, tubing, and line pipe connections and for thread compounds intended for use on rotary shouldered connections. The tests outlined are used to evaluate the critical performance properties and physical and chemical characteristics of thread compounds under laboratory conditions. This standard was PUBLISHED on 2015-06-30.	65000	Voluntary
146	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13679:2002	Petroleum and natural gas industries - Procedures for testing casing and tubing connections	This Uganda Standard establishes minimum design verification testing procedures and acceptance criteria for casing and tubing connections for the oil and natural gas industries. These physical tests are part of a design verification process and provide	65000	Voluntary

				objective evidence that the connection conforms to the manufacturer's claimed test load envelope and limit loads. This standard was PUBLISHED on 2015-06-30.		
147	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13758:1996	Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method	This Uganda Standard describes a procedure for the assessment of whether liquefied petroleum gas (LPG) hydrocarbons consisting predominantly of propane and/or propene are sufficiently dry to avoid malfunctions in pressure-reducing systems installed in domestic, industrial and automotive LPG applications. The test is normally used as a functional pass/fail test in which the behaviour of the product is assessed in a specially designed and calibrated regulator valve. This	25000	Voluntary

				standard was PUBLISHED on 2015-12-15.		
148	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13916: 1996	Welding - Guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature	This Uganda Standard specifies requirements for the measurement of preheating temperature, interpass temperature and preheat maintenance temperature for fusion welding. This standard may also be applied as appropriate in the case of other welding processes. This standard does not cover the measurement of post weld heat treatment temperatures. THIS STANDARD WAS PUBLISHED ON 2015-12-15.	25000	Voluntary

149	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14175: 2008	Welding consumables - Gases and gas mixtures for fusion welding and allied processes	This Uganda Standard specifies requirements for the classification of gases and gas mixtures used in fusion welding and allied processes including, but not limited to: tungsten arc welding, gas-shielded metal arc welding, plasma arc welding, plasma arc cutting, laser welding, laser cutting, and arc braze welding. THIS STANDARD WAS PUBLISHED ON 2015-12-15.	30000	Voluntary
150	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14310:2008	Petroleum and natural gas industries - Downhole equipment - Packers and bridge plugs	This Uganda Standard provides requirements and guidelines for packers and bridge plugs as defined herein for use in the petroleum and natural gas industry. This International Standard provides requirements for the functional specification and technical specification, including design, design verification and validation, materials, documentation and data control, repair,	45000	Voluntary

				shipment, and storage. THIS STANDARD WAS PUBLISHED ON 2014-10-15.		
151	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14596:2007	Petroleum products - Determination of sulfur content - Wavelength-dispersive X-ray fluorescence spectrometry	This Uganda Standard specifies a method for the determination of the sulfur content of liquid petroleum products, additives for petroleum products, and semi-solid and solid petroleum products that are either liquefied by moderate heating or soluble in organic solvents of negligible or accurately known sulfur content. The method is applicable to products or additives having sulfur contents in the range 0,001 % (m/m) to 2,50 % (m/m) higher contents can be determined by appropriate dilution.	25000	Voluntary

				Other elements do not interfere at concentrations anticipated in the materials subject to this analysis. This standard was PUBLISHED on 2011-12-20.		
152	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14693:2003	Petroleum and natural gas industries - Drilling and wellservicing equipment	This Uganda Standard provides general principles and specifies requirements for design, manufacture and testing of new drilling and well-servicing equipment and of replacement primary load-carrying components manufactured subsequent to the publication of this standard. This standard was PUBLISHED on 2014-10-15.	100000	Compulsory

153	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14998:2013	Petroleum and natural gas industries - Downhole equipment - Completion accessories	This Uganda Standard provides requirements and guidelines for completion accessories, as defined herein for use in the petroleum and natural gas industry. This Uganda Standard provides requirements for the functional specification and technical specifications including: design, design verification and validation, materials, documentation and data control, redress, repair, shipment, and storage. This standard covers the pressure containing, load bearing, disconnect/reconnect, tubing movement, and opening a port functionalities of completion accessories. This standard was PUBLISHED on 2014- 10-15.	60000	Compulsory
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154	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15169:2003	Petroleum and liquid petroleum products - Determination of volume, density and mass of the hydrocarbon content of vertical cylindrical tanks by hybrid tank measurement systems	This Uganda Standard gives guidance on the selection, installation, commissioning, calibration and verification of hybrid tank measurement systems (HTMS) for the measurement of level, static mass, observed and standard volume, and observed and reference density in tanks storing petroleum and petroleum products in fiscal or custody transfer application. This standard was PUBLISHED on 2011-12-20.	45000	Voluntary
155	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15403-1:2006	Natural gas - Natural gas for use as a compressed fuel for vehicles -- Part 1: Designation of the quality	This Uganda Standard provides manufacturers, vehicle operators, fuelling station operators and others involved in the compressed-natural-gas vehicle industry with information on the fuel quality for natural gas vehicles (NGVs) required to develop and operate compressed-natural-gas vehicle equipment successfully.	45000	Voluntary

				This standard was PUBLISHED on 2014-07-31.		
156	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15590-1:2009	Petroleum and natural gas industries - Induction bends, fittings and flanges for pipeline transportation systems - Part 1: Induction bends	This Uganda Standard specifies the technical delivery conditions for bends made by the induction bending process for use in pipeline transportation systems for the petroleum and natural gas industries as defined in US ISO 13623. This standard was PUBLISHED on 2015-12-15.	55000	Voluntary
157	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15590-2:2003	Petroleum and natural gas industries - Induction bends, fittings and flanges for pipeline transportation systems - Part 2: Fittings	This Uganda Standard specifies the technical delivery conditions for unalloyed or low-alloy steel seamless and welded pipeline fittings for use in pipeline transportation systems for the petroleum and natural gas industries as defined in US ISO	50000	Voluntary

				13623. This standard was PUBLISHED on 2015-12-15.		
158	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15609-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding	This Uganda Standard specifies requirements for the content of welding procedure specifications for arc welding processes. This standard was PUBLISHED on 2015-12-15.	50000	Voluntary
159	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15609-2: 2001	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 2: Gas weldin	This Uganda Standard specifies requirements for the content of welding procedure specifications for gas welding processes. Variables listed in this standard are those influencing the quality of the welded joint. This standard was PUBLISHED on 2015-12-15.	50000	Voluntary

160	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15609-3: 2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding	This Uganda Standard specifies requirements for the content of welding procedure specifications for electron beam welding. Variables listed in this standard are those influencing the quality and properties of the welded joints. This standard was PUBLISHED on 2015-12-15.	50000	Voluntary
161	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15609-4: 2009	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: Laser beam welding	This Uganda Standard specifies requirements for the content of the welding procedure specification (WPS) for laser beam welding processes, including overlay welding. It is not applicable to other processes for cladding (e.g. thermal spraying). This standard was PUBLISHED on 2015-12-15.	50000	Voluntary

162	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15609-5: 2011	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 5: Resistance welding	This Uganda Standard specifies requirements for the content of welding procedure specifications for resistance spot, seam, butt and projection welding processes. It is necessary to establish the acceptability of applying the principles of this part of US ISO 15609 to other resistance and related welding processes before any qualification is undertaken. This standard was PUBLISHED on 2015-12-15.	50000	Voluntary
163	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15609-6: 2013	Specification and qualification of welding procedures for metallic materials - Welding Procedure specification - Part 6: Laser-arc hybrid welding	This Uganda Standard specifies requirements for the content of welding procedure specifications for laser-arc hybrid welding processes. Variables listed in this part of US ISO 15609 are those influencing the quality and the properties of the welded joint. This standard was PUBLISHED on 2015-12-15.	50000	Voluntary

164	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17078-1:2004	Petroleum and natural gas industries - Drilling and production equipment - Part 1: Side-pocket mandrels	This Uganda Standard provides requirements for side-pocket mandrels used in the petroleum and natural gas industry. This part of US ISO 17078 includes specifying, selecting, designing, manufacturing, quality control, testing, and preparation for shipping of side-pocket mandrels. THIS STANDARD WAS PUBLISHED ON 2014-10-15.	65000	Compulsory
165	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17078-2:2007	Petroleum and natural gas industries - Drilling and production equipment - Part 2: Flow-control devices for side-pocket mandrels	This Uganda Standard provides requirements for subsurface flow-control devices used in side-pocket mandrels (hereafter called flow-control devices) intended for use in the worldwide petroleum and natural gas industry. This includes requirements for specifying, selecting, designing, manufacturing, quality-control, testing and preparation for shipping of flow-control devices.	110000	Compulsory

				Additionally, it includes information regarding performance testing and calibration procedures. THIS STANDARD WAS PUBLISHED ON 2014-10-15.		
166	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17078-3:2009	Petroleum and natural gas industries - Drilling and production equipment - Part 3: Running tools, pulling tools and kick-over tools and latches for side-pocket mandrels	This Uganda Standard provides requirements and guidelines for running tools, pulling tools, kick-over tools and latches used for the installation and retrieval of flow control and other devices to be installed in side-pocket mandrels for use in the petroleum and natural gas industries. This includes requirements for specifying, selecting, designing, manufacturing, quality control, testing and preparation for shipping of these tools and latches.	65000	Compulsory

				Additionally, it includes information regarding performance testing and calibration procedures. THIS STANDARD WAS PUBLISHED ON 2014-10-15.		
167	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17636-1:2013	Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film	This Uganda Standard specifies techniques of radiographic examination of fusion welded joints in metallic materials using industrial radiographic film techniques. This part of US ISO 17636 applies to the joints of plates and pipes. Besides its conventional meaning, `pipe` as used in this standard covers other cylindrical bodies such as tubes, penstocks, boiler drums, and pressure vessels. THIS	50000	Voluntary

				STANDARD WAS PUBLISHED ON 2015-12-15.		
168	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17636-2:2013	Non-destructive testing of welds - Radiographic testing - Part 2: X- and gamma-ray techniques with digital detectors	This Uganda Standard specifies fundamental techniques of digital radiography with the object of enabling satisfactory and repeatable results to be obtained economically. The techniques are based on generally recognized practice and fundamental theory of the subject. This part of US ISO 17636 applies to the digital radiographic examination of fusion welded joints in metallic materials. It applies to the joints of plates and pipes. Besides its conventional meaning, `pipe`, as used in this International Standard,	70000	Voluntary

				<p>covers other cylindrical bodies such as tubes, penstocks, boiler drums, and pressure vessel. THIS STANDARD WAS PUBLISHED ON 2015-12-15.</p>		
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169	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20846:2004	Petroleum products - Determination of sulfur content of automotive fuels - Ultraviolet fluorescence method	This Uganda Standard specifies an ultraviolet (UV) fluorescence test method for the determination of the sulfur content of motor gasolines, including those containing up to 2,7 % (m/m) oxygen, and of diesel fuels, including those containing up to 5 % (V/V) fatty acid methyl ester (FAME), having sulfur contents in the range 3 mg/kg to 500 mg/kg. Other products may be analysed and other sulfur contents may be determined according to this test method however, no precision data for products other than automotive fuels and for results outside the specified range have been established for this standard. This standard was PUBLISHED on 2019- 03-26.	35000	Voluntary
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170	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20847:2004	Petroleum products - Determination of sulfur content of automotive fuels - Ultraviolet fluorescence method	This Uganda Standard specifies an energy dispersive X-ray fluorescence (EDXRF) test method for the determination of the sulfur content of motor gasolines, including those containing up to 2,7 % (m/m) oxygen, and of diesel fuels, including those containing up to 5 % (V/V) fatty acid methyl ester (FAME), having sulfur contents in the range 30 mg/kg to 500 mg/kg. Other products may be analysed and other sulfur contents may be determined according to this test method however, no precision data for products other than automotive fuels and for results outside the specified range have been established for this standard. This standard was PUBLISHED on 2011-12-20.	35000	Voluntary
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171	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21457:2010	Petroleum, petrochemical and natural gas industries - Materials selection and corrosion control for oil and gas production systems	This Uganda Standard identifies the corrosion mechanisms and parameters for evaluation when performing selection of materials for pipelines, piping and equipment related to transport and processing of hydrocarbon production, including utility and injection systems. This includes all equipment from and including the well head, to and including pipelines for stabilized products. This standard is not applicable to downhole components. This standard was PUBLISHED on 2015-12-15. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.	50000	Voluntary
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172	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 28781:2010	Petroleum and natural gas industries - Drilling and production equipment - Subsurface barrier valves and related equipment	This Uganda Standard provides the requirements for subsurface barrier valves and related equipment as they are defined herein for use in the petroleum and natural gas industries. Included are the requirements for design, design validation, manufacturing, functional evaluation, repair, redress, handling and storage. Subsurface barrier valves provide a means of isolating the formation or creating a barrier in the tubular to facilitate the performance of pre- and/or post-production/injection operational activities in the well. This standard can be used by any public, private or community enterprise, association, group or individual. US ISO/TR 31004 is not specific to any industry or sector, or to any particular	75000	Compulsory
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				type of risk, and can be applied to all activities and to all parts of organizations. This standard was PUBLISHED on 2014-10-15. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.		
173	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1998-3:1998	Petroleum industry - Terminology - Part 3: Exploration and production	This Uganda Standard consists of a list of terms, in use in the petroleum industry in the area of exploration and production, together with the corresponding definitions. This	40000	Voluntary

				standard was PUBLISHED on 2011-12-20.		
174	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13623: 2009	Petroleum and natural gas industries - Pipeline transportation systems	This Uganda Standard specifies requirements and gives recommendations for the design, materials, construction, testing, operation, maintenance and abandonment of pipeline systems used for transportation in the petroleum and natural gas industries. This standard was PUBLISHED on 2015-12-15.	110000	Compulsory
175	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10407:1993	Petroleum and natural gas industries - Drilling and production equipment - Drill stem design and operating limits	This Uganda Standard lays down the properties of drill pipe and tool joints, drill collars, kellys, and establishes principles for the design and use of drill stem and their components. This standard was PUBLISHED on 2016-12-13.	110000	Voluntary

176	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10417:2004	Petroleum and natural gas industries - Subsurface safety valve systems - Design, installation, operation and redress	This Uganda Standard establishes requirements and provides guidelines for configuration, installation, test, operation and documentation of subsurface safety valve (SSSV) systems. In addition, this standard establishes requirements and provides guidelines for selection, handling, redress and documentation of SSSV downhole production equipment. This standard was PUBLISHED on 2016-12-13.	60000	Compulsory
177	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10425:2003	Steel wire ropes for the petroleum and natural gas industries - Minimum requirements and terms of acceptance	This Uganda Standard specifies the minimum requirements and terms of acceptance for the manufacture and testing of steel wire ropes not exceeding rope grade 2160 for the petroleum and natural gas industries. This standard was PUBLISHED on 2016-12-13.	60000	Compulsory

178	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10432:2004	Petroleum and natural gas industries - Downhole equipment - Subsurface safety valve equipment	This Uganda Standard provides the minimum acceptable requirements for subsurface safety valves (SSSVs). It covers subsurface safety valves including all components that establish tolerances and/or clearances which may affect performance or interchangeability of the SSSVs. It includes repair operations and the interface connections to the flow control or other equipment, but does not cover the connections to the well conduit. This standard was PUBLISHED on 2016-12-13.	110000	Compulsory
179	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO/TS 16530-2:2014	Well integrity - Part 2: Well integrity for the operational phase	This Uganda Standard provides requirements and methods to the oil and gas industry to manage well integrity during the well operational phase. This standard was PUBLISHED on 2016-12-13	110000	Compulsory

180	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15156-1:2015	Petroleum and natural gas industries - Materials for use in H ₂ S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials	This Uganda Standard describes general principles and gives requirements and recommendations for the selection and qualification of metallic materials for service in equipment used in oil and gas production and in natural-gas sweetening plants in H ₂ S-containing environments, where the failure of such equipment can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements given in the appropriate design codes, standards, or regulations. This standard was PUBLISHED on 2016-12-13.	40000	Voluntary
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181	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15156-2:2015	Petroleum and natural gas industries - Materials for use in H ₂ S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons	This Uganda Standard gives requirements and recommendations for the selection and qualification of carbon and low-alloy steels for service in equipment used in oil and natural gas production and natural gas treatment plants in H ₂ S-containing environments, whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards or regulations. This standard was PUBLISHED on 2016-12-13.	60000	Compulsory
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182	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15156-3:2015	Petroleum and natural gas industries - Materials for use in H ₂ S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys	This Uganda Standard gives requirements and recommendations for the selection and qualification of CRAs (corrosion-resistant alloys) and other alloys for service in equipment used in oil and natural gas production and natural gas treatment plants in H ₂ S-containing environments whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards, or regulations. This standard was PUBLISHED on 2016-12-13.	110000	Compulsory
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183	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15551-1:2015	Petroleum and natural gas industries - Drilling and production equipment - Part 1: Electric submersible pump systems for artificial lift	This Uganda Standard provides requirements for the design, design verification and validation, manufacturing and data control, performance ratings, functional evaluations, handling, and storage of tubing-deployed electrical submersible pump (ESP) systems as defined herein. This standard was PUBLISHED on 2016-12-13.	110000	Compulsory
184	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17348:2016	Petroleum and natural gas industries - Materials selection for high content CO2 for casing, tubing and downhole equipment	This Uganda Standard provides guidelines and requirements for material selection of both seamless casing and tubing, and downhole equipment for CO2 gas injection and gas production wells with high pressure and high CO2 content environments [higher than 10 % (molar) of CO2 and 1 MPa CO2 partial pressure]. Oil production wells are not covered in this standard. This standard	50000	Compulsory

				only considers materials compatibility with the environment. THIS STANDARD WAS PUBLISHED ON 2016-12-13.		
185	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17824:2009	Petroleum and natural gas industries - Downhole equipment - Sand screens	This Uganda Standard provides the requirements and guidelines for sand control screens for use in the petroleum and natural gas industries. Included are the requirements for design, design validation, functional evaluation, manufacturing, storage and transport. The requirements of this standard are applicable to wire-wrap screens, pre-pack screens and metal-mesh screens as defined herein. This standard was PUBLISHED on 2016-	60000	Compulsory

				12-13.		
186	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1650:2016	Standard Test Methods for Determination of Organic Chloride Content in Crude Oil	This Uganda Standard covers the determination of organic chloride (above 1 µg/g organically-bound chlorine) in crude oils, using either distillation and sodium biphenyl reduction or distillation and microcoulometry. This standard was published on 2016-12-13.	30000	Voluntary
187	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3735:1999	Crude petroleum and fuel oils - Determination of sediment - Extraction method	This Uganda Standard specifies a method for the determination of sediment in crude petroleum and fuel oils by extraction with toluene. The precision applies to a range of sediment levels from 0,01 % (m/m) to 0,40 %	30000	Voluntary

				(m/m), although higher levels may be determined. This Standard was PUBLISHED on N 2016-12-13.		
188	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10437:2003	Petroleum, petrochemical and natural gas industries - Steam turbines - Special-purpose applications	This Uganda Standard specifies requirements and gives recommendations for the design, materials, fabrication, inspection, testing and preparation for shipment of steam turbines for special-purpose applications. It also covers the related lube-oil systems, instrumentation, control systems and auxiliary equipment. It is not applicable to general-purpose steam turbines, which are covered in ISO 10436. This standard was PUBLISHED on 2016-12-13.	110000	Compulsory

189	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10441:2007	Petroleum, petrochemical and natural gas industries - Flexible couplings for mechanical power transmission - Special- purpose applications	This Uganda Standard specifies the requirements for couplings for the transmission of power between the rotating shafts of two machines in special-purpose applications in the petroleum, petrochemical and natural gas industries. Such applications are typically in large and/or high speed machines, in services that can be required to operate continuously for extended periods, are often unspared and are critical to the continued operation of the installation. This standard was PUBLISHED on 2016- 12-13.	80000	Compulsory
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190	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13691:2001	Petroleum and natural gas industries - High-speed special-purpose gear units	This Uganda Standard specifies the minimum requirements for enclosed, precision, single and double helical, one- and two-stage speed increasers and reducers of parallel shaft design with pinion speeds of 3000 min ⁻¹ or greater, or pitch line velocities of 25 m/s or greater, for special purpose applications. This standard was PUBLISHED on 2016-12-13.	110000	Compulsory
191	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15547-1:2005	Petroleum, petrochemical and natural gas industries - Plate-type heat exchangers - Part 1: Plate-and-frame heat exchangers	This Uganda Standard gives requirements and recommendations for the mechanical design, materials selection, fabrication, inspection, testing, and preparation for shipment of plate-and-frame heat exchangers for use in petroleum, petrochemical and natural gas industries. It is applicable to gasketed, semi-welded and welded plate-and-frame heat exchangers. This standard was	50000	Compulsory

				PUBLISHED on 2016-12-13.		
192	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15547-2:2005	Petroleum, petrochemical and natural gas industries - Plate-type heat exchangers - Part 2: Brazed aluminium plate-fin heat exchangers	This Uganda Standard gives requirements and recommendations for the mechanical design, materials selection, fabrication, inspection, testing, and preparation for shipment of brazed aluminium plate-fin heat exchangers for use in petroleum, petrochemical and natural gas industries. This standard was PUBLISHED on 2016-12-13.	50000	Compulsory
193	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1685:2017	Standard Specification for Denatured Ethanol for use as Cooking and Appliance Fuel	This Uganda Standard covers denatured ethanol intended to be used as a cooking or appliance fuel, or both. This standard was published on 2017-06-20.	45000	Compulsory

194	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1750:2017	Standard Test Method for Determination of MTBE, ETBE, TAME, DIPE, tertiary-Amyl Alcohol and C1 to C4 Alcohols in Gasoline by Gas Chromatography	This Uganda Standard covers the determination of ethers and alcohols in gasolines by gas chromatography. Specific compounds determined are methyl tert-butylether (MTBE), ethyl tert-butylether (ETBE), tert-amylmethylether (TAME), diisopropylether (DIPE), methanol, ethanol, isopropanol, n-propanol, isobutanol, tert-butanol, sec - butanol, n-butanol, and tert-pentanol (tert-amylalcohol). This standard was published on 2017-06-20.	40000	Voluntary
195	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1752:2017	Standard Practice for Mixing and Handling of Liquid Samples of Petroleum and Petroleum Products	This Uganda Standard covers the handling, mixing, and conditioning procedures that are required to ensure that a representative sample of the liquid petroleum or petroleum product is delivered from the primary sample container/receiver into the analytical test	40000	Voluntary

				apparatus or into intermediate containers. This standard was published on 2017-06-20.		
196	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1753:2017	Standard Test Method for Acidity in Ethanol and Ethanol Blends by Titration	This Uganda Standard covers the determination of acidity as acetic acid (see Specification D4806) in commonly available grades of denatured ethanol, and ethanol blends with gasoline ranging from E95 to E30. This test method is used for determining low levels of acidity, below 200 mg/kg (ppm mass), with the exclusion of carbon dioxide. This standard was published on 2017-06-20.	40000	Voluntary

197	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1754:2017	Standard Practice for Sampling Industrial Chemicals	This Uganda Standard covers procedures for sampling several classes of industrial chemicals. It also includes recommendations for determining the number and location of such samples, to ensure their being representative of the lot in accordance with accepted probability sampling principles. This standard was published on 2017-06-20.	40000	Voluntary
198	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1755:2017	Standard Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration	This Uganda Standard covers the determination of water from 0 to 2.0 % mass in most liquid organic chemicals, with Karl Fischer reagent, using an automated coulometric titration procedure. Use of this test method is not applicable for liquefied gas products such as Liquid Petroleum Gas (LPG), Butane, Propane, Liquid Natural Gas (LNG), etc. This standard was published	40000	Voluntary

				on 2017-06-20.		
199	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 383:1976	Laboratory glassware - Interchangeble conical ground joints	This Uganda Standard specifies the essential geometric requirements for interchangeability in relations to four series of conical ground glass joints for laboratory use. THIS STANDARD WAS PUBLISHED ON 2017-06-20.	30000	Voluntary
200	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3171:1988	Petroleum liquids - Automatic pipeline sampling	THIS STANDARD WAS PUBLISHED ON 2017-06-20. This Uganda Standard recommends procedures to be used for obtaining, by automatic means, representative samples of crude oil and liquid petroleum products being conveyed by pipeline. This Standard was PUBLISHED on	30000	Voluntary

				2017-06-20.		
201	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5280:1979	Xylene for industrial use - Specification	This Uganda Standard specifies requirements for xylene suitable for industrial purposes. This standard was PUBLISHED on 2017-06-20.	20000	Voluntary
202	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9029:1990	Crude petroleum - Determination of water - Distillation method	This Uganda Standard specifies a method for determining water in crude oil by distillation. The precision data have only been determined for water contents up to 1 % (v/v). This standard was PUBLISHED on 2017-06-20	20000	Voluntary

203	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1686:2017	Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)	This Uganda Standard covers the determination by means of a glass hydrometer in conjunction with a series of calculations of the API gravity of crude petroleum and petroleum products normally handled as liquids and having a Reid vapor pressure (Test Method D323) of 101.325 kPa (14.696 psi) or less. This standard was published on 2017-06-20.	30000	Voluntary
204	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1696:2017	Standard Test Method for Pour Point of Crude Oils	This Uganda Standard covers two procedures for the determination of the pour point temperatures of crude oils down to -36Degrees Celcius. This standard was published on 2017-06-20.	30000	Voluntary
205	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1697:2017	Standard Test Method for Distillation of Crude Petroleum (15-Theoretical Plate Column)	This Uganda Standard covers the procedure for the distillation of stabilized crude petroleum to a final cut temperature of 400 Degrees Celcius Atmospheric Equivalent	30000	Voluntary

				Temperature (AET). This standard was published on 2017-06-20.		
206	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1711:2017	Standard Test Method for Determination of Vapor Pressure of Crude Oil: VPCR _x (Expansion Method)	This Uganda Standard covers the use of automated vapor pressure instruments to determine the vapor pressure exerted in vacuum of crude oils. This standard was published on 2017-06-20.	40000	Voluntary
207	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1724:2017	Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method)	This Uganda Standard covers procedures for the determination of vapor pressure of gasoline, volatile crude oil, and other volatile petroleum products. This standard was published on 2017-06-20.	30000	Voluntary

208	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1725:2017	Standard Guide for Use of the Petroleum Measurement Tables	This Uganda Standard provides the algorithm and implementation procedure for the correction of temperature and pressure effects on density and volume of liquid hydrocarbons. Natural gas liquids (NGLs) and liquefied petroleum gases (LPGs) are excluded from consideration. This standard was published on 2017-06-20.	30000	Voluntary
209	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1726:2017	Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	This Uganda Standard covers the laboratory determination using a glass hydrometer in conjunction with a series of calculations, of the density, relative density, or API gravity of crude petroleum, petroleum products, or mixtures of petroleum and nonpetroleum products normally handled as liquids, and having a Reid vapor pressure of 101.325 kPa (14.696 psi) or less. This standard was published on 2017-06-20.	30000	Voluntary

210	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1727:2017	Standard Test Method for Density, Relative Density, and API Gravity of Crude Petroleum and Liquid Petroleum Products by Thermohydrometer Method	This Uganda Standard covers the determination, using a glass thermohydrometer in conjunction with a series of calculations, of the density, relative density, or API gravity of crude petroleum, petroleum products, or mixtures of petroleum and nonpetroleum products normally handled as liquids and having a Reid vapor pressures of 101.325 kPa (14.696 psi) or less. This standard was published on 2017-06-20.	30000	Voluntary
211	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1728:2017	Standard Specification for Liquid-in-Glass Thermometers	This Uganda Standard covers liquid-in-glass thermometers graduated in degrees Celsius or degrees Fahrenheit that are frequently identified and used in methods under the jurisdiction of the various technical committees within ASTM. This standard was published on 2017-06-20.	30000	Voluntary

212	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1729:2017	Standard Specification for Hydrometers	This Uganda Standard covers glass hydrometers of various scale graduation systems, as required by the ASTM Test Methods in which they are used. This standard was published on 2017-06-20.	30000	Voluntary
213	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1730:2017	Standard Test Method for Pour Point of Petroleum Products	This test method covers and is intended for use on any petroleum product. This standard was published on 2017-06-20.	30000	Voluntary
214	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1731:2017	Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test	This Uganda Standard covers the determination of the corrosiveness to copper of aviation gasoline, aviation turbine fuel, automotive gasoline, cleaners (Stoddard) solvent, kerosine, diesel fuel, distillate fuel oil, lubricating oil, and natural gasoline or other hydrocarbons having a vapor pressure no greater than 124 kPa (18 psi) at 37.8 Degrees Celcius. This standard was published on 2017-06-20.	30000	Voluntary

215	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1732:2017	Standard Practice for Manual Sampling of Petroleum and Petroleum Products	This Uganda Standard covers procedures and equipment for manually obtaining samples of liquid petroleum and petroleum products, crude oils, and intermediate products from the sample point into the primary container are described. This standard was published on 2017-06-20.	30000	Voluntary
216	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1733:2017	Standard Practice for Automatic Sampling of Petroleum and Petroleum Products	This Uganda Standard describes general procedures and equipment for automatically obtaining samples of liquid petroleum and petroleum products, crude oils, and intermediate products from the sample point into the primary container. This standard was published on 2017-06-20.	30000	Voluntary

217	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1734:2017	Standard Test Method for Inspection and Verification of Thermometers	This Uganda Standard covers visual and dimensional inspection and test for scale accuracy to be used in the verification of liquid-in-glass thermometers as specified in Specifications E1 and E2251. This standard was published on 2017-06-20.	30000	Voluntary
218	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1736:2017	Standard Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer	This Uganda Standard covers the measurement of the density of pure hydrocarbons or petroleum distillates boiling between 90 Degrees Celcius and 110 Degrees Celcius that can be handled in a normal fashion as a liquid at the specified test temperatures of 20 Degrees Celcius and 25 Degrees Celcius. This standard was published on 2017-06-20.	30000	Voluntary
219	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1737:2017	Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography	This Uganda Standard covers the determination of the boiling range distribution of petroleum products.	30000	Voluntary

				This standard was published on 2017-06-20.		
220	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1739:2017	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	This Uganda Standard covers the determination of the density, relative density, and API Gravity of petroleum distillates and viscous oils that can be handled in a normal fashion as liquids at the temperature of test, utilizing either manual or automated sample injection equipment. This standard was published on 2017-06-20.	30000	Voluntary
221	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1740:2017	Standard Test Method for Detailed Analysis of Petroleum Naphthas through n-Nonane by Capillary Gas Chromatography	This Uganda Standard [detailed hydrocarbon analysis (DHA) test method] covers the determination of hydrocarbon components paraffins, naphthenes, and monoaromatics (PNA) of petroleum naphthas as enumerated in Table 1. This standard was published on 2017-06-20.	30000	Voluntary

222	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1741:2017	Standard Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants	This Uganda Standard covers the necessary preparations and planning for the conduct of interlaboratory programs for the development of estimates of precision (determinability, repeatability, and reproducibility) and of bias (absolute and relative), and further presents the standard phraseology for incorporating such information into standard test methods. This standard was published on 2017-06-20.	30000	Voluntary
223	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1742:2017	Standard Test Method for Determination of Individual Components in Spark Ignition Engine Fuels by 100 Metre Capillary High Resolution Gas Chromatography	This Uganda Standard covers the determination of individual hydrocarbon components of spark-ignition engine fuels and their mixtures containing oxygenate blends (MTBE, ETBE, ethanol, and so forth) with boiling ranges up to 225 Degrees Celcius. This standard was published on 2017-06-	30000	Voluntary

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224	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1743:2017	Standard Test Method for Determination of Individual Components in Spark Ignition Engine Fuels by 100-Metre Capillary (with Precolumn) High-Resolution Gas Chromatography	This Uganda Standard covers the determination of individual hydrocarbon components of spark-ignition engine fuels and their mixtures containing oxygenate blends (MTBE, ETBE, ethanol, and so forth) with boiling ranges up to 225 Degrees Celcius. Other light liquid hydrocarbon mixtures typically encountered in petroleum refining operations, such as blending stocks (naphthas, reformates, alkylates, and so forth) may also be analyzed however, statistical data was obtained only with blended spark-ignition engine fuels. This standard was published on 2017-06-20.	30000	Voluntary

225	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1744:2017	Standard Test Method for Determination of Individual Components in Spark Ignition Engine Fuels by 50-Metre Capillary High	This Uganda Standard covers the determination of individual hydrocarbon components of spark-ignition engine fuels with boiling ranges up to 225 Degrees Celcius. This standard was published on 2017-06-20.	30000	Voluntary
226	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1745:2017	Standard Practice for Obtaining LPG Samples Using a Floating	This Uganda Standard covers the equipment and procedures for obtaining a representative sample of liquefied petroleum gas (LPG), such as specified in ASTM Specification D1835, GPA 2140, and comparable international standards. This standard was published on 2017-06-20.	30000	Voluntary
227	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1746:2017	Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)	This Uganda Standard covers the use of automated vapor pressure instruments to determine the total vapor pressure exerted in vacuum by air-containing, volatile, liquid petroleum products, including	30000	Voluntary

				automotive spark-ignition fuels with or without oxygenates. This standard was published on 2017-06-20.		
228	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1747:2017	Standard Practice for Statistical Assessment and Improvement of Expected Agreement between Two Test Methods that Purport to Measure the Same Property of a Material	This Uganda Standard covers statistical methodology for assessing the expected agreement between two standard test methods that purport to measure the same property of a material, and deciding if a simple linear bias correction can further improve the expected agreement. This standard was published on 2017-06-20.	30000	Voluntary

229	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1758:2017	Standard Test Method for Distillation of Heavy Hydrocarbon Mixtures (Vacuum Potstill Method)	This Uganda Standard covers the procedure for distillation of heavy hydrocarbon mixtures having initial boiling points greater than 150 Degrees Celcius (300 Degrees Fahrenheit), such as heavy crude oils, petroleum distillates, residues, and synthetic mixtures. It employs a pot still with a low pressure drop entrainment separator operated under total takeoff conditions. Distillation conditions and equipment performance criteria are specified and typical apparatus is illustrated. This standard was published on 2017-06-20.	40000	Voluntary
230	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1715:2017	Standard Test Method for Determination of Asphaltenes (Heptane Insolubles) in Crude Petroleum and Petroleum Products	This Uganda Standard covers a procedure for the determination of the heptane insoluble asphaltene content of gas oil, diesel fuel, residual fuel oils, lubricating oil, bitumen, and crude petroleum that has been topped to an oil temperature of	30000	Voluntary

				260 Degrees Celcius. This standard was published on 2017-12-12.		
231	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1716:2017	Standard Test Method for Determination of Light Hydrocarbons in Stabilized Crude Oils by Gas Chromatography	This Uganda Standard specifies a method to determine the boiling range distribution of hydrocarbons in stabilized crude oil up to and including n-nonane. This standard was published on 2017-12-12.	30000	Voluntary
232	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1797:2017	Test Method for Boiling Point Distribution of Samples with Residues Such as Crude Oils and Atmospheric and Vacuum Residues by High Temperature Gas Chromatography.	This Uganda Standard covers the determination of the boiling point distribution and cut point intervals of crude oils and residues by using high-temperature gas chromatography. This standard was published on 2017-12-12.	40000	Voluntary
233	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1798:2017	Standard Practice for Gas Chromatography Terms and Relationships	This Uganda Standard covers primarily the terms and relationships used in gas elution chromatography. This	20000	Voluntary

				standard was published on 2017-12-12.		
234	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1780:2017	Standard Test Method for Water in Crude Oils by Potentiometric Karl Fischer Titration	This test method covers the determination of water in the range from 0.02 to 2 % in crude oils. This standard was published on 2017-12-12.	20000	Voluntary
235	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1785:2017	Standard Test Method for Water in Crude Oils by Coulometric Karl Fischer Titration	This Uganda Standard covers the determination of water in the range from 0.02 to 5.00 mass or volume % in crude oils. This standard was published on 2017-12-12.	20000	Voluntary
236	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1807:2017	Standard Test Method for Sediment in Crude Oil by Membrane Filtration	This Uganda Standard covers the determination of sediment in crude oils and fuel oils by extraction with toluene. The precision applies to a range of sediment levels from 0.01% to 0.40% mass, although higher levels may be determined. This standard was published on 2017-12-12.	20000	Voluntary

237	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1863:2017	Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems	This Uganda Standard describes how static electricity may be generated in petroleum fuel systems, the types of equipment conducive to charge generation, and methods for the safe dissipation of such charges. This standard was published on 2017-12-12.	20000	Voluntary
238	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5272:1979	Toluene for industrial use - Specifications	This Uganda Standard specifies requirements for two grades of toluene suitable for industrial purposes. Grade 1 (synthesis grade) is a high quality grade normally required for use only as a chemical feedstock. Grade 2 (ordinary grade) relates to commercially pure toluene and is suitable for most normal commercial uses. This standard is applicable to material which consists essentially of toluene (C ₆ H ₅ .CH ₃). This standard was PUBLISHED on 2017-12-12.	15000	Voluntary

239	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1808:2017	Standard Test Method for Salts in Crude Oil (Electrometric Method)	This Uganda Standard covers the determination of the approximate chloride (salts) concentration in crude oil. The range of concentration covered is 0 to 500 mg/kg or 0 to 150 lb/1000 bbl as chloride concentration/volume of crude oil. This standard was published on 2017-12-12.	20000	Voluntary
240	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1864:2017	Test Method for Sediment in Crude Oils and Fuel Oils by the Extraction Method	This Uganda Standard covers the determination of sediment in crude oils and fuel oils by extraction with toluene. This standard was published on 2017-12-12.	20000	Voluntary
241	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1871:2017	Standard Test Methods for Determination of Nickel, Vanadium, Iron, and Sodium in Crude Oils and Residual Fuels by Flame Atomic Absorption Spectrometry	This Uganda Standard covers the determination of nickel, vanadium, iron, and sodium in crude oils and residual fuels by flame atomic absorption spectrometry (AAS). This standard was published on 2017-12-12.	20000	Voluntary

242	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1872:2017	Standard Test Methods for Determination of Nickel, Vanadium, and Iron in Crude Oils and Residual Fuels by Inductively Coupled Plasma (ICP) Atomic Emission	This Uganda Standard covers the determination of nickel, vanadium, and iron in crude oils and residual fuels by inductively coupled plasma (ICP) atomic emission spectrometry. This standard was published on 2017-12-12.	25000	Voluntary
243	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 91:2017	Petroleum and related products - Temperature and pressure volume correction factors (petroleum measurement tables) and standard reference conditions	This Uganda Standard refers to temperature volume correction factors, which allow users to convert volumes, measured at ambient conditions, to those at reference conditions for transactional purposes. This standard also refers to compressibility factors required to correct hydrocarbon volumes measured under pressure to the corresponding volumes at the equilibrium pressure for the measured temperature. This standard was PUBLISHED on 2017-12-12.	30000	Voluntary

244	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2714:1980	Liquid hydrocarbons - Volumetric measurement by displacement meter systems other than dispensing pumps	This Uganda Standard specifies the characteristics of displacement meters and gives rules for systematically applying appropriate consideration to the nature of the liquids to be measured, to the installation of a metering system, and to the selection, performance, operation and maintenance of the same. This standard was PUBLISHED on 2017-12-12.	25000	Voluntary
245	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2715:1981	Liquid hydrocarbons - Volumetric measurement by turbine meter system	This Uganda Standard specifies the characteristics of turbine meters and gives rules for systematically applying consideration to the nature of the liquids to be measured, to the installation of a metering system, and to the selection, performance, operation and maintenance of the same. This standard was PUBLISHED on 2017-12-12.	30000	Voluntary

246	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4124:1994	Liquid hydrocarbons - Dynamic measurement - Statistical control of volumetric metering systems	This Uganda Standard has been prepared as a guide for establishing and monitoring the performance of such meters, using appropriate statistical control procedures for both central and on-line proving. These procedures may be applied to measurements made by any type of volumetric or mass metering system. This standard was PUBLISHED on 2017-12-12.	100000	Voluntary
247	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4267-2:1988	Petroleum and liquid petroleum products - Calculation of oil quantities - Part 2: Dynamic measurement	This Uganda Standard defines the various terms (be they words or Symbols) employed in the calculation of metered Petroleum quantities. This standard was PUBLISHED on 2017-12-12.	40000	Voluntary
248	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7278-1:1987	Liquid hydrocarbons - Dynamic measurement - Proving systems for volumetric meters - Part 1: General principles	This Uganda Standard provides general principles for proving systems for meters used in dynamic measurement of liquid hydrocarbons. This standard was	20000	Voluntary

				PUBLISHED on 2017-12-12		
249	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9200:1993	Crude petroleum and liquid petroleum products - Volumetric metering of viscous hydrocarbons	This Uganda Standard defines viscous hydrocarbons and describes the difficulties that arise when viscous hydrocarbons are raised to high temperatures. The effects of such temperatures upon meters, auxiliary equipment and fittings are discussed, and advice and warnings to overcome or mitigate difficulties are included. This standard was PUBLISHED on 2017-12-12	30000	Voluntary

250	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1662:2017	Waste management - Requirements	This Uganda standard specifies requirements for the management of hazardous waste and non- hazardous waste. This standard covers amongst other things, collection, storage, transportation, treatment and disposal of waste. It also includes provisions for monitoring and regulation of waste. The standard applies to a range of industry sectors whose activities generate, store, or handle any quantity of waste. This standard was published on 2017-12-12.	30000	Compulsory
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251	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13997:1999	Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects	This Uganda Standard specifies a cut test method, and related calculations, for use on materials and assemblies designed for protective clothing. The test determines resistance to cutting by sharp edges, such as knives, sheet metal parts, swarf, glass, bladed tools and castings. This test does not provide data on the resistance to penetration by pointed objects such as needles and thorns. The test described in this standard is not considered suitable for testing materials made from chain mail and metal plates. The text of this standard does not include provisions for the safeguard of the operator. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	20000	Voluntary
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252	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16972:2010	Respiratory protective devices - Terms, definitions, graphical symbols and units of measurement	This Uganda Standard is applicable to respiratory protective devices. It defines commonly used terms and specifies units of measurement to achieve a uniform interpretation and to prevent ambiguous use. It indicates graphical symbols that may be required to be placed on respiratory protective devices (RPD) or parts of RPD or instruction manuals, in order to instruct the person(s) using the RPD about its operation. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	50000	Voluntary
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253	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-1:2014	Respiratory protective devices - Methods of test and test equipment - Part 1: Determination of inward leakage	This Uganda Standard specifies the test methods for determining inward leakage of respiratory interfaces (RI) and total inward leakage of complete respiratory protective devices (RPD) using specified test agents and incorporating specified body movements, at specified metabolic work rates. These tests are conducted in laboratories using specific test agents under specified conditions and therefore do not indicate the performance of the device in actual use. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	50000	Voluntary
254	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-2:2009	Respiratory protective devices - Methods of test and test equipment - Part 2: Determination of breathing resistance	This Uganda Standard specifies the method(s) of test for breathing resistance for: <ul style="list-style-type: none"> - complete respiratory protective devices - filters for respiratory protective devices - respiratory interfaces 	30000	Voluntary

				THIS STANDARD WAS PUBLISHED ON 2017-12-12.		
255	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-3:2012	Respiratory protective devices - Methods of test and test equipment - Part 3: Determination of particle filter penetration	This Uganda Standard specifies the test methods for particle filter penetration of separate or integral filters for respiratory protective devices. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	30000	Voluntary
256	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-5:2016	Respiratory protective devices - Methods of test and test equipment - Part 5: Breathing machine, metabolic simulator, RPD head forms and torso, tools and verification tools	This Uganda Standard specifies the characteristics of breathing machines, metabolic simulators, RPD head forms/torso, RPD tools and RPD verification tools that are common to RPD test laboratories. Standardization of these items is essential for the standardization of the test methods. Standardization of the RPD verification tools is essential for demonstrating the delivery of comparable	50000	Voluntary

				<p>results in different test laboratories.</p> <p>Descriptions on the use of the RPD tools for the different tests are specified in the relevant parts of US ISO 16900. THIS STANDARD WAS PUBLISHED ON 2017-12-12.</p>		
257	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-6:2015	Respiratory protective devices - Methods of test and test equipment - Part 6: Mechanical resistance/strength of components and connections	<p>This Uganda Standard specifies the method of test for the mechanical resistance and strength of components of respiratory protective devices. THIS STANDARD WAS PUBLISHED ON 2017-12-12.</p>	40000	Voluntary

258	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-7:2015	Respiratory protective devices - Methods of test and test equipment - Part 7: Practical performance test methods	This Uganda Standard specifies practical performance tests for respiratory protective devices (RPD). The purpose of these tests is to subjectively assess certain properties, characteristics, and functions of the RPD when worn by test subjects in simulated practical use, which cannot be assessed by tests described in other standards. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	25000	Voluntary
259	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-9:2015	Respiratory protective devices - Methods of test and test equipment - Part 9: Determination of carbon dioxide content of the inhaled gas	This Uganda Standard specifies the test methods for determining the increased carbon dioxide content of the inhaled gas caused by wearing the RPD. Closed circuit supplied breathable gas RPD are excluded from this part of US ISO 16900. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	40000	Voluntary

260	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-10:2015	Respiratory protective devices - Methods of test and test equipment - Part 10: Resistance to ignition, flame, radiant heat and heat	This Uganda Standard specifies the methods for resistance to ignition, flame, radiant heat, and heat. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	35000	Voluntary
261	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-11:2013	Respiratory protective devices - Methods of test and test equipment - Part 11: Determination of field of vision	This Uganda Standard specifies the test methods for determining the increased carbon dioxide content of the inhaled gas caused by wearing the RPD. Closed circuit supplied breathable gas RPD are excluded from this part of US ISO 16900. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	30000	Voluntary
262	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-12:2016	Respiratory protective devices - Methods of test and test equipment - Part 12: Determination of volume-averaged work of breathing and peak respiratory pressures	This Uganda Standard specifies the test methods for determining the volume-averaged work of breathing and peak respiratory pressures imposed by the respiratory protective device (RPD). Elastic work, elastic physiological effects, and information on	30000	Voluntary

				physiological effects of work of breathing (WOB) are specified in ISO 16976-4 and are not included in this test method. THIS STANDARD WAS PUBLISHED ON 2017-12-12.		
263	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16900-13:2015	Respiratory protective devices - Methods of test and test equipment - Part 13: RPD using regenerated breathable gas and special application mining escape RPD: Consolidated test for gas concentration, temperature, humidity, work of breathing, breathing resistance, elastance and duration	This Uganda Standard specifies tests which are specific to RPDs using regenerated breathable gas, compressed breathable gas with class L respiratory interfaces, and special application mining escape RPD. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	30000	Voluntary

264	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17420-3:2012	Respiratory protective devices - Performance requirements - Part 3: Thread connection	This Uganda Standard is applicable to an unassisted filtering device and specifies a standard thread connection between a filter and the respiratory interface as required in US ISO 17420-2. This part of US ISO 17420 also includes the description of test simulators that are necessary for the assessment of some of the requirements. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	35000	Voluntary
265	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3834-1:2005	Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements	This Uganda Standard provides a general outline of US ISO 3834 and criteria to be taken into account for the selection of the appropriate level of quality requirements for fusion welding of metallic materials, among the three levels specified in US ISO 3834-2 [3], US ISO 3834-3 [4] and US ISO 3834-4 [5]. It applies to manufacturing, both in workshops and at field	35000	Voluntary

				installation sites THIS STANDARD WAS PUBLISHED ON 2017-12-12.		
266	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3834-2: 2005	Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements	This Uganda Standard defines comprehensive quality requirements for fusion welding of metallic materials both in workshops and at field installation sites. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	25000	Voluntary
267	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3834-3:2005	Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements	This Uganda Standard defines standard quality requirements for fusion welding of metallic materials both in workshops and at field installation sites. THIS STANDARD WAS PUBLISHED ON 2017-12-12.	25000	Voluntary

268	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9606- 1:2012	Qualification testing of welders -Fusion welding - Part 1: Steels	This Uganda Standard specifies the requirements for qualification testing of welders for fusion welding of steels. It provides a set of technical rules for a systematic qualification test of the welder, and enables such qualifications to be uniformly accepted independently of the type of product, location and examiner or examining body. (This Uganda Standard cancels and replaces US ISO 9606-1:1994, Approval testing of welders - Fusion welding - Part 1: Steels, which has been technically revised). This standard was PUBLISHED on 2017- 12-12	50000	Voluntary
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269	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9606-3:1999	Approval testing of welders - Fusion welding - Part 3: Copper and copper alloys	This Uganda Standard specifies essential requirements, ranges of approval, test conditions, acceptance requirements and certification for the approval testing of welder performance for the welding of copper. This standard applies to the approval testing of welders for the fusion welding of copper This standard was PUBLISHED on 2017-12-12	40000	Voluntary
270	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9606-4:1999	Approval testing of welders - Fusion welding - Part 4: Nickel and nickel alloys	This Uganda Standard specifies essential requirements, ranges of approval, test conditions, acceptance requirements and certification for the approval testing of welder performance for the welding of nickel. This standard applies to the approval testing of welders for the fusion welding of nickel This standard was PUBLISHED on 2017-12-12	35000	Voluntary

271	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9606-5:2000	Approval testing of welders - Fusion welding - Part 5: Titanium and titanium alloys, zirconium and zirconium alloys	This Uganda Standard specifies essential requirements, ranges of approval, test conditions, acceptance requirements and certification for the approval testing of welder performance for the welding of titanium and zirconium. This standard applies to the approval testing of welders for the fusion welding of titanium. This standard was PUBLISHED on 2017-12-12	35000	Voluntary
272	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1873:2017	Gas cylinders - Seamless, welded and composite cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling	This Uganda Standard specifies the inspection requirements at the time of filling, and applies to seamless or welded transportable gas cylinders made of steel or aluminium-alloy (Type 1), and for composite transportable gas cylinders (Types 2 to 5 inclusive) for liquefied or compressed gases of a water capacity up to 150 l. It may be applicable to cylinders and tubes with a water capacity	30000	Voluntary

				between 150 l and 450 l, provided they are inspected and filled as individual cylinders and tubes. This standard was published on 2017-12-12.		
273	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10286: 2015	Gas cylinders Terminology -	This Uganda Standard gives the terminology for standards intended to be used under regulations for the transport of dangerous goods that are based on the UN Model Regulations. Variations from the terminology are permissible to comply with other regulations such as for stationary and automotive applications. This standard was PUBLISHED on 2017-12-12.	70000	Voluntary

274	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10464: 2004	Gas cylinders - Refillable welded steel cylinders for liquefied petroleum gas (LPG) - Periodic inspection and testing	This Uganda Standard applies to cylinders protected by a system to prevent external corrosion and designed and manufactured in accordance with ISO 4706, ISO 22991 or an equivalent design and construction standard. This standard may also apply to other refillable welded steel cylinder designs for LPG with the approval of the national authority. Cylinders for the on- board storage of LPG as a fuel for vehicles are excluded from this standard, except cylinders used for fork- lift truck applications. This standard was PUBLISHED on 2017- 12-12.	30000	Voluntary
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275	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10691:2004	Gas cylinders - Refillable welded steel cylinders for liquefied petroleum gas (LPG) - Procedures for checking before, during and after filling	This Uganda Standard specifies the procedures to be PUBLISHED when checking transportable refillable welded steel LPG cylinders before, during and after filling. It applies to transportable refillable welded steel LPG cylinders of water capacity from 0,5 l up to and including 150 l. It does not apply to cylinders permanently installed in vehicles, or to plant and filling equipment. This standard was PUBLISHED on 2017-12-12.	20000	Voluntary
276	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11625:2007	Gas cylinders - Safe handling	This Uganda Standard specifies requirements for safe handling, use and storage of gas cylinders for compressed, liquefied or dissolved gases. This standard applies only to single gas cylinders of sizes from 0,5 l to 150 l water capacity. This standard was PUBLISHED on 2017-12-12.	30000	Voluntary

277	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13769:2007	Gas cylinders - Stamp marking	This Uganda Standard specifies stamp marking of refillable transportable gas cylinders and tubes of volume greater than 0,5 l and less than or equal to 3 000 l, including: steel and aluminium gas cylinders composite gas cylinders acetylene cylinders LPG cylinders. This standard was PUBLISHED on 2017-12-12.	30000	Voluntary
278	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15245-1:2001	Parallel threads for connection of valves to gas cylinders - Part 1: Specification	This Uganda Standard specifies definitions, dimensions and tolerances of parallel screw threads of nominal diameter 30 mm (designated 30P), 25 mm (designated 25P) and 18 mm (designated 18P), for the connection of valves to medical and industrial gas cylinders. This part of US ISO 15245 does not cover the connection requirements for - mechanical strength gas tightness capability of repeated assembly and dismounting	30000	Voluntary

				operations. This standard was PUBLISHED on 2017-12-12.		
279	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15245-2: 2001	Gas cylinders - Parallel threads for connection of valves to gas cylinders - Part 2: Gauge inspection	This Uganda Standard specifies types, dimensions and principles of use of gauges to be used in conjunction with the sealing systems of the parallel threads specified in US ISO 15245-1. This standard was PUBLISHED on 2017-12-12.	20000	Voluntary

280	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15995:2006	Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated	This Uganda Standard specifies the requirements for design, specification and type testing of dedicated LPG manually operated cylinder valves specifically for use with transportable refillable LPG cylinders from 0,5 l up to 150 l water capacity. It includes references to associated equipment for vapour or liquid service. This standard was PUBLISHED on 2017- 12-12.	40000	Compulsory
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281	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 16148:2016	Gas cylinders - Refillable seamless steel gas cylinders and tubes - Acoustic emission examination (AT) and follow-up ultrasonic examination (UT) for periodic inspection and testing	This Uganda Standard gives procedures for the use of acoustic emission examination (AT) and ultrasonic examination (UT) follow-up during the periodic inspection and testing of seamless steel cylinders and tubes with a water capacity of up to 3 000 l used for compressed and liquefied gases. This examination provides acoustic emission (AE) indications and locations that are evaluated by a secondary examination using UT for a possible flaw in the cylinder or tube. Methods other than UT for the secondary examination are not covered by this standard. This standard was PUBLISHED on 2017- 12-12.	45000	Voluntary
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282	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17871:2015	Gas cylinders - Quick- release cylinder valves - Specification and type testing	This Uganda Standard in conjunction with ISO 10297 and ISO 14246 specifies design, type testing, marking and manufacturing tests, and examinations requirements for quick- release cylinder valves intended to be fitted to refillable transportable gas cylinders which convey non-toxic, non- oxidizing, and non- corrosive compressed or liquefied gases or extinguishing agents charged with compressed gases to be used for fire- extinguishing, explosion protection, and rescue applications. This standard was PUBLISHED on 2017- 12-12.	25000	Voluntary
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283	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20826:2006	Automotive LPG components - Containers	<p>This Uganda Standard specifies the technical requirements for the design and the testing of automotive Liquefied Petroleum Gas (LPG) containers, to be permanently attached to a motor vehicle that uses automotive LPG as a fuel. The technical requirements cover the design criteria, the requirements on construction and workmanship, and the marking and re-qualification procedures. This standard also covers all tests, including their frequencies, to be carried out on autogas containers, during production and performance verification. Specific recommendations are also given on the tests to be carried out when changing the design. This standard was PUBLISHED on 2017-12-12.</p>	70000	Voluntary
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284	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21007-1:2005	Gas cylinders - Identification and marking using radio frequency identification technology - Part 1: Reference architecture and terminology	This Uganda Standard establishes a common framework for data structure for unambiguous identification of single or manifolded gas cylinders and for other common data elements in this sector. It also serves as a terminology document in the area of radio frequency identification (RFID) technology. This standard was PUBLISHED on 2017-12-12.	30000	Voluntary
285	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 21007-2:2015	Gas cylinders - Identification and marking using radio frequency identification technology - Part 2: Numbering schemes for radio frequency identification	This Uganda Standard establishes a common flexible framework for data structure to enable the unambiguous identification in gas cylinders (GC) applications and for other common data elements in this sector. This standard was PUBLISHED on 2017-12-12.	60000	Voluntary

286	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 22991: 2004	Gas cylinders - Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction	This Uganda Standard specifies minimum requirements concerning material, design, construction and workmanship, procedure and test at manufacture of transportable refillable welded steel liquefied petroleum gas (LPG) cylinders of water capacity up to and including 150 l, exposed to ambient temperatures. This standard was PUBLISHED on 2017-12-12.	50000	Voluntary
287	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 25760:2009	Gas cylinders - Operational procedures for the safe removal of valves from gas cylinders	This Uganda Standard is intended for suppliers, operators in testing facilities, operators performing cylinder maintenance and any person authorized to remove valves from gas cylinders. It details procedures for the safe removal of valves from cylinders and includes techniques for the identification of inoperable valves. This standard was	35000	Voluntary

				PUBLISHED on 2017-12-12.		
288	ENGINEERING AND CONSTRUCTION STANDARDS	US 1848:2017	Standard Specification for Reagent Water	This Uganda Standard describes the required characteristics of waters deemed suitable for use with the standards under the jurisdiction of ASTM. This standard was published on 2017-12-12.	20000	Voluntary
289	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 249-1:2019	Engine oil Performance classifications Part 1: General	This Uganda Standard covers classification for crankcase engine lubricating oils, for automotive type internal combustion and spark_ignition engines, two stroke and four_stroke cycle motorcycle engines that employ a crankcase scavenging system. (This Uganda Standard, together with US 249_2:2019, US 249_3:2019, US	20000	Compulsory

				249_4:2019 and US 249_5:2019, cancels and replaces US 249:1999/EAS159, Engine oil Specification, which has been technically revised). This standard was published on 2019-3-26		
290	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 249-2:2019	Engine oil Performance classification Part2: API specification for spark ignition (petrol) engine lubricating oils /Amd 1:2021	This Uganda Standard specifies performance requirements, sampling and test methods for spark ignition engine lubricating oil of passenger cars, light duty trucks, vans and related equipment meeting or exceeding API service category SJ. It does not cover engine lubricating oil for compression ignition engines, aviation equipment, outboard motors, lawn mowers, railroad locomotives or ocean going vessels. (This standard, together with US 249_1:2019, US 249_3:2019, US	25000	Compulsory

				<p>249_4:2019 and US 249_5:2019, cancels and replaces US 249:1999/EAS159, Engine oil Specification, which has been technically revised). This standard was published on 2019- 3-26</p>		
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291	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 249-3:2019	Engine oil Performance classification Part 3: API Specification for light and heavy duty compression ignition (diesel) engine lubricating oils /Amd 1:2021	This Uganda Standard specifies requirements, sampling and test methods of engine lubricating oil for light and heavy duty naturally aspirated, turbo_charged or super_charged compression_ignition engines, meeting or exceeding API Service Category CH_4. This standard does not cover engine lubricating oil for spark ignition engines, aviation equipment, outboard motors, lawn mowers, railroad, locomotives, industrial and marine application. (This standard, together with US 249_1:2019, US 249_2:2019, US 249_4:2019 and US 249_5:2019, cancels and replaces US 249:1999/EAS159, Engine oil Specification, which has been technically revised). This standard was published on 2019-3-26	20000	Compulsory
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292	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 249-4:2019	Engine oil Performance classification Part4: Specification for internal combustion engine lubricating oils used in four_ stroke cycle motorcycle gasoline engines and associated drive trains	This Uganda Standard specifies performance requirements, sampling and test methods for four_stroke cycle spark ignition engines employing a common sump containing the lubricating oil for both the engine and associated drive train (transmission, clutch, starter) of motorcycles, motor scooters, all_terrain vehicles (ATVs) and related equipment. (This standard, together with US 249_1:2019, US 249_2:2019, US 249_3:2019, and US 249_5:2019, cancels and replaces US 249:1999/EAS159, Engine oil Specification, which has been technically revised). This standard was published on 2019-3-26	20000	Compulsory
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293	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 249-5:2019	Engine oil Performance classification Part5: Specification for internal combustion engine lubricating oils used in two_ stroke cycle motorcycle gasoline engines and associated drive trains	This Uganda Standard specifies requirements and test methods for motorcycle engine lubricating oils for two_stroke cycle spark ignition gasoline engines that employ a crankcase scavenging system and are used in transportation and leisure applications. This standard specifies the performance classification of two_stroke cycle gasoline engine oils based on the API classification, JASO and ISO classifications. (This standard, together with US 249_1:2019, US 249_2:2019, US 249_3:2019 and US 249_4:2019, cancels and replaces US 249:1999/EAS159, Engine oil Specification, which has been technically revised). This standard was published on 2019-3-26	25000	Compulsory
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294	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2040:2019	Standard test method for flash and fire points by Cleveland open cup tester	This Uganda Standard describes the determination of the flashpoint and fire point of petroleum products by a manual Cleveland open cup apparatus or an automated Cleveland open cup apparatus. This standard was published on 2019-3-26	20000	Voluntary
295	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2041:2019	Standard test method for foaming characteristics of lubricating oils	This Uganda Standard covers the determination of the foaming characteristics of lubricating oils at 24 Degrees Celsius and 93.5 Degrees Celsius. Means of empirically rating the foaming tendency and the stability of the foam are described. This standard was published on 2019-3-26.	25000	Voluntary
296	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2042:2019	Standard practice for calculating viscosity index from kinematic viscosity at 40 C and 100 C	This Uganda Standard covers the procedures for calculating the viscosity index of petroleum products, such as lubricating oils, and related materials from their kinematic viscosities at 40 Degrees Celsius and 100 degrees	15000	Voluntary

				Celsius. This standard was published on 2019-3-26.		
297	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2043:2019	Standard Test Method for Measuring Viscosity of New and Used Engine Oils at High Shear Rate and High Temperature by Tapered Bearing Simulator Viscometer at 150 Degrees Celsius	This Uganda Standard covers the laboratory determination of the viscosity of engine oils at 150 Degrees Celsius and 1.0106?s?1 using a viscometer having a slightly tapered rotor and stator called the Tapered Bearing Simulator (TBS) Viscometer. This standard was published on 2019-3-26	25000	Compulsory

298	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2044:2019	Standard test method for determination of yield stress and apparent viscosity of used engine oils at low temperature	<p>This Uganda Standard covers the measurement of the yield stress and viscosity of engine oils after cooling at controlled rates over a 43?h or 45 h to a final test temperature of 20?C or 25?C. The precision is stated for test temperatures 20?C and 25?C. The viscosity measurements are made at a shear stress of 525 Pa over a shear rate of 0.4?s₋₁ to 15 s₋₁. This test method is suitable for measurement of viscosities ranging from 4000 mPas to >400?000 mPas, and is suitable for yield stress measurements of 7 Pa to >350 Pa. This test method is applicable for used diesel oils. The applicability and precision to other used or unused engine oils or to petroleum products other than engine oils has not been determined. This standard was published</p>	15000	Voluntary
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299	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2045:2019	Standard test method for determination of additive elements in lubricating oils by inductively coupled plasma atomic emission spectrometry	This Uganda Standard covers the quantitative determination of barium, boron, calcium, copper, magnesium, molybdenum, phosphorus, sulfur, and zinc in unused lubricating oils and additive packages. This standard was published on 2019-3-26.	15000	Voluntary

300	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2046:2019	Standard test method for evaporation loss of lubricating oils by the Noack method	The Uganda Standard covers four procedures for determining the evaporation loss of lubricating oils (particularly engine oils). Procedure A uses the Noack evaporative tester equipment; Procedure B uses the automated non_Woods metal Noack evaporative apparatus; Procedure C uses Selby_Noack volatility test equipment, and Procedure D uses the Noack S2 test equipment. The test method relates to one set of operating conditions but may be readily adapted to other conditions when required. This standard was published on 2019-3-26.	45000	Voluntary
301	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2047:2019	Standard test method for high temperature foaming characteristics of lubricating oils	This Uganda Standard describes the procedure for determining the foaming characteristics of lubricating oils (specifically transmission fluid and motor oil) at 150 Degrees Celsius. This	20000	Voluntary

				standard was published on 2019-3-26.		
302	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2048:2019	Standard test method for determination of high temperature deposits by thermo_oxidation engine oil simulation test	This Uganda Standard covers the procedure to determine the amount of deposits formed by automotive engine oils utilizing the thermo_oxidation engine oil simulation test (TEOST). An interlaboratory study has determined it to be applicable over the range from 10?mg to 65?mg total deposits. This standard was published on 2019-3-26	20000	Voluntary
303	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2049:2019	Standard Test Method for Estimation of Engine Oil Volatility by Capillary Gas Chromatography	This Uganda Standard covers an estimation of the amount of engine oil volatilized at 371 Degrees Celsius (700 Degrees Fahrenheit). This standard was published on 2019-3-26	20000	Voluntary

304	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2050:2019	Standard Test Method for Evaluation of Rust Preventive Characteristics of Automotive Engine Oils	This Uganda Standard covers a Ball Rust Test (BRT) procedure for evaluating the anti_rust ability of fluid lubricants. The procedure is particularly suitable for the evaluation of automotive engine oils under low_temperature, acidic service conditions. This standard was published on 2019-3-26	30000	Voluntary
305	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2051:2019	Standard Test Method for Evaluation of Automotive Engine Oils for Inhibition of Deposit Formation in a Spark_Ignition Internal Combustion Engine Fuelled with Gasoline and Operated Under Low_Temperature, Light_Duty Conditions	This Uganda Standard covers and is commonly referred to as the Sequence VG test, and it has been correlated with vehicles used in stop_and_go service prior to 1996, particularly with regard to sludge and varnish formation. It is one of the test methods required to evaluate oils intended to satisfy the API SL performance category. This standard was published on 2019-3-26	110000	Voluntary

306	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2052:2019	Standard Test Method for Measuring the Effect on Filterability of Engine Oils After Treatment with Water and Dry Ice and a Short (30 min) Heating Time	This Uganda Standard covers the determination of the tendency of an oil to form a precipitate that can plug an oil filter. It simulates a problem that may be encountered in a new engine run for a short period of time, followed by a long period of storage with some water in the oil. This standard was published on 2019-3-26	15000	Voluntary
307	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2053:2019	Standard test method for the determination of homogeneity and miscibility in automotive engine oils	This Uganda Standard covers the determination if an automotive engine oil is homogeneous and will remain so, and if it is miscible with certain standard reference oils after being submitted to a prescribed cycle of temperature changes. This standard was published on 2019-3-26.	15000	Voluntary

308	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2054:2019	Standard Test Method for Determination of Moderately High Temperature Piston Deposits by Thermo_Oxidation Engine Oil Simulation Test TEOST MHT	This Uganda Standard covers the procedure to determine the mass of deposit formed on a specially constructed test rod exposed to repetitive passage of 8.5 g of engine oil over the rod in a thin film under oxidative and catalytic conditions at 285 Degrees Celsius. The range of applicability of the Moderately High Temperature Thermo_Oxidation Engine Test (TEOST MHT) test method as derived from an interlaboratory study is approximately 10 mg to 100 mg. However, experience indicates that deposit values from 1?mg to 150?mg or greater may be obtained. This standard was published on 2019-3-26	30000	Voluntary
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309	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2055:2019	Standard Test Method for Evaluation of Automotive Engine Oils in the Sequence IIIG, Spark_Ignition Engine	This Uganda Standard covers an engine test procedure for evaluating automotive engine oils for certain high_temperature performance characteristics, including oil thickening, varnish deposition, oil consumption, as well as engine wear. Such oils include both single viscosity grade and multiviscosity grade oils that are used in both spark_ignition, gasoline_fuelled engines, as well as in diesel engines. This standard was published on 2019-3-26.	75000	Voluntary
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310	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2056:2019	Standard Test Method for Apparent Viscosity of Engine Oils and Base Stocks Between 10°C and 35°C Using Cold_Cranking Simulator	This Uganda Standard covers the laboratory determination of apparent viscosity of engine oils and base stocks by cold cranking simulator (CCS) at temperatures between -10 Degrees Celsius and -35 Degrees Celsius at shear stresses of approximately 50 000 Pa to 100 000 Pa and shear rates of approximately 105 to 104 s ⁻¹ for viscosities of approximately 900 mPa·s to 25 000 mPa·s. The range of an instrument is dependent on the instrument model and software version installed. This standard was published on 2019-3-26.	20000	Voluntary
311	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2057:2019	Standard Test Method for Low Temperature, Low Shear Rate, Viscosity/Temperature Dependence of Lubricating Oils Using a Temperature_Scanning Technique	This Uganda Standard covers the measurement of the apparent viscosity of engine oil at low temperatures. This standard was published on 2019-3-26.	25000	Voluntary

312	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2058:2019	Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry	This Uganda Standard covers the determination of total sulfur in petroleum and petroleum products that are single_phase and either liquid at ambient conditions, liquefiable with moderate heat, or soluble in hydrocarbon solvents. These materials can include diesel fuel, jet fuel, kerosene, other distillate oil, naphtha, residual oil, lubricating base oil, hydraulic oil, crude oil, unleaded gasoline, gasoline_ethanol blends, and biodiesel. This standard was published on 2019-3-26.	25000	Voluntary
313	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2059:2019	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers Tension	This Uganda Standard cover procedures used to evaluate the tensile (tension) properties of vulcanized thermoset rubbers and thermoplastic elastomers. These methods are not applicable to ebonite and similar hard, low elongation materials.	25000	Voluntary

				The methods appear as follows: Test Method ADumbbell and Straight Section Specimens and Test Method BCut Ring Specimens. This standard was published on 2019-3-26.		
314	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2060:2019	Standard Test Method for Rubber Property Effect of Liquids	This Uganda Standard covers the required procedures to evaluate the comparative ability of rubber and rubber_like compositions to withstand the effect of liquids. It is designed for testing: (1) specimens of vulcanized rubber cut from standard sheets, (2) specimens cut from fabric coated with vulcanized rubber, or (3) finished articles of commerce. This test method is not applicable to the testing of cellular rubbers, porous compositions, and compressed sheet packing. This standard	30000	Voluntary

				was published on 2019-3-26.		
315	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2061:2019	Standard Test Method for Rubber Property Durometer Hardness	This Uganda Standard covers twelve types of rubber hardness measurement devices known as durometers: Types A, B, C, D, DO, E, M, O, OO, OOO, OOO_S, and R. The procedure for determining indentation hardness of substances classified as thermoplastic elastomers, vulcanized (thermoset) rubber, elastomeric materials, cellular materials, gel_like materials, and some plastics is also described. This standard was published	25000	Voluntary

				on 2019-3-26.		
316	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2062:2019	Standard Test Method for Evaluation of the Ability of Engine Oil to Emulsify Water and Simulated Ed85 Fuel	This Uganda Standard describes a qualitative procedure to measure the ability of a specific volume of engine oil to emulsify a specific added volume of combined water and simulated Ed85 fuel upon agitation in a high_speed blender and to retain this emulsified state for at least 24 h at temperatures of both 20 Degrees Celsius to 25 Degrees Celsius and -5 Degrees Celsius to 0 Degrees Celsius. This standard was published on 2019-3-26.	15000	Voluntary

317	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2063:2019	Standard Test Method for Measuring the Effect on Filterability Of Engine Oils after Treatment with Various Amounts of Water and a long (6_H) Heating Time	This Uganda Standard covers the determination of the tendency of an oil to form a precipitate that can plug an oil filter. It simulates a problem that may be encountered in a new engine run for a short period of time, followed by a long period of storage with some water in the oil. This standard was published on 2019-3-26.	15000	Voluntary
318	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2064:2019	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP_AES)	This Uganda Standard covers the determination of additive elements, wear metals, and contaminants in used and unused lubricating oils and base oils by inductively coupled plasma atomic emission spectrometry (ICP_AES). This standard was published on 2019-3-26.	20000	Voluntary

319	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2065:2019	Standard Test Method for Bench Oxidation of Engine Oils by ROBO Apparatus	This Uganda Standard describes a bench procedure to simulate the oil aging encountered in US 2055, the Sequence IIIG engine test method. These aged oils are then tested for kinematic viscosity and for low_temperature pumpability properties as described in the Sequence IIIGA engine test, Appendix X1 of US 2055. This standard was published on 2019-3-26.	35000	Voluntary
320	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2066:2019	Standard Practice for Utilization of Test Data to Determine Conformance with Specifications	This Uganda Standard covers guidelines and statistical methodologies with which two parties, usually a supplier and a receiver, can compare and combine independently obtained test results to obtain an Assigned Test Value (ATV) for the purpose of resolving a product quality dispute. This standard was published on 2019-3-26.	20000	Voluntary

321	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2067:2019	Standard Test Method for Sulfated Ash from Lubricating Oils and Additives	This Uganda Standard covers the determination of the sulfated ash from unused lubricating oils containing additives and from additive concentrates used in compounding. These additives usually contain one or more of the following metals: barium, calcium, magnesium, zinc, potassium, sodium, and tin. The elements sulfur, phosphorus, and chlorine can also be present in combined form. This standard was published on 2019-3-26.	15000	Voluntary
322	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2068:2019	Standard Specification for Fuel System Icing Inhibitors	This Uganda Standard covers additives for aviation fuels (for example, Specifications D910, D7547, and D1655) used to inhibit ice formation in aircraft fuel systems. This standard was published on 2019-3-26.	30000	Voluntary

323	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2069:2019	Standard Test Method for Shear Stability of Polymer Containing Fluids Using a European Diesel Injector Apparatus at 30 Cycles and 90 Cycles	This Uganda Standard covers the evaluation of the shear stability of polymer_containing fluids. The test method measures the viscosity loss, in mm ² /s and percent, at 100 Degrees Celsius of polymer_containing fluids when evaluated by a diesel injector apparatus procedure that uses European diesel injector test equipment. The viscosity loss reflects polymer degradation due to shear at the nozzle. Viscosity loss is evaluated after both 30 cycles and 90 cycles of shearing. This standard was published on 2019-3-26	20000	Voluntary
324	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2070:2019	Standard Test Method for Evaluation of Diesel Engine Oils in the T-11 Exhaust Gas Recirculation Diesel Engine	This Uganda Standard covers an engine test procedure for evaluating diesel engine oils for performance characteristics in a diesel engine equipped with exhaust gas recirculation, including viscosity increase and	45000	Voluntary

				soot concentrations (loading). This test method is commonly referred to as the Mack T-11. This standard was published on 2019-3-26		
325	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2071:2019	Standard Test Method for Measuring Viscosity of New and Used Engine Oils at High Shear Rate and High Temperature by Tapered Bearing Simulator Viscometer at 150 C	This Uganda Standard covers the laboratory determination of the viscosity of engine oils at 150 Degrees Celsius and 1.0106_s_1 using a viscometer having a slightly tapered rotor and stator called the Tapered Bearing Simulator (TBS) Viscometer. This standard was published on 2019-3-26.	25000	Voluntary

326	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2072:2019	Standard Test Method for Determining Automotive Engine Oil Compatibility with Typical Seal Elastomers	This Uganda Standard covers quantitative procedures for the evaluation of the compatibility of automotive engine oils with several reference elastomers typical of those used in the sealing materials in contact with these oils. Compatibility is evaluated by determining the changes in volume, Durometer A hardness, and tensile properties when the elastomer specimens are immersed in the oil for a specified time and temperature. This standard was published on 2019-3-26.	25000	Voluntary
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327	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2074:2019	Standard Test Method for Determination of Yield Stress and Apparent Viscosity of Engine Oils at Low Temperature	This Uganda Standard covers the measurement of the yield stress and viscosity of engine oils after cooling at controlled rates over a period exceeding 45 h to a final test temperature between - 10 Degrees Celsius and -40 Degrees Celsius. The precision is stated for test temperatures from -40 Degrees Celsius to -15 Degrees Celsius. The viscosity measurements are made at a shear stress of 525 Pa over a shear rate of 0.4_s_1 to 15_s_1. The viscosity as measured at this shear stress was found to produce the best correlation between the temperature at which the viscosity reached a critical value and borderline pumping failure temperature in engines. This standard was published on 2019- 3-26	30000	Voluntary
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328	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2075:2019	Standard Test Method for Shear Stability of Polymer Containing Fluids Using a European Diesel Injector Apparatus	This Uganda Standard covers the evaluation of the shear stability of polymer_containing fluids. The test method measures the percent viscosity loss at 100 Degrees Celsius of polymer_containing fluids when evaluated by a diesel injector apparatus procedure that uses European diesel injector test equipment. The viscosity loss reflects polymer degradation due to shear at the nozzle. This standard was published on 2019-3-26.	20000	Voluntary
329	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2079:2019	Standard Test Method for Measuring Viscosity at High Temperature and High Shear rate by Tapered_Plug Viscosimeter	This Uganda Standard covers the laboratory determination of the viscosity of oils at 150 Degrees Celsius and 1 X10 ⁶ s/1 and at 100 Degrees Celsius and 1 X10 ⁶ s/1, using high shear rate tapered_plug viscometer models BE/C or BS/C This standard was published on 2019-3-26.	15000	Voluntary

330	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2082:2019	Standard Test Method for Measuring Apparent Viscosity at High Temperature and High Shear Rate by Multicell Capillary Viscometer	This Uganda Standard covers the laboratory determination of high_temperature high_shear (HTHS) viscosity of engine oils at a temperature of 150 Degrees Celsius using a multicell capillary viscometer containing pressure, temperature, and timing instrumentation. The shear rate for this test method corresponds to an apparent shear rate at the wall of 1.4 million reciprocal seconds. This standard was published on 2019-3-26.	15000	Voluntary
331	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2083:2019	Standard Test Method for Evaluation of Corrosiveness of Diesel Engine Oil at 135 C	This Uganda Standard covers testing diesel engine lubricants to determine their tendency to corrode various metals, specifically alloys of lead and copper commonly used in cam followers and bearings. This standard was published on 2019-3-26.	20000	Voluntary

332	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2137:2007	Petroleum products and lubricants Determination of cone penetration of lubricating greases and petrolatum	This Uganda Standard specifies several methods for the empirical estimation of the consistency of lubricating greases and petrolatum by measuring the penetration of a standardized cone. This standard was PUBLISHED on 2019-03-26.	35000	Voluntary
333	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 2176:1995	Petroleum products Lubricating grease Determination of dropping point	This Uganda Standard specifies a method for the determination of the dropping point of lubricating grease. This standard was PUBLISHED on 2019-03-26.	25000	Voluntary

334	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3987:2010	Petroleum products Determination of sulfated ash in lubricating oils and additives	<p>This Uganda Standard describes a procedure for the determination of the mass percentage of sulfated ash from unused lubricating oils containing additives and from additive concentrates used in compounding. These additives usually contain one or more of the following metals: barium, calcium, magnesium, zinc, potassium, sodium and tin. The elements sulfur, phosphorus and chlorine can also be present in combined form. This standard was PUBLISHED on 2019-3-26. THIS STANDARD WAS LAST REVIEWED AND CONFIRMED ON 2019-12-10. THEREFORE THIS VERSION REMAINS CURRENT.</p>	20000	Voluntary
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335	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6247:1998	Petroleum products Determination of foaming characteristics of lubricating oils	This Uganda Standard specifies a method for the determination of the foaming characteristics of lubricating oils at specified moderate temperatures. It is applicable to lubricants which may or may not contain additives to modify or suppress the tendency to form stable foams. The ratings used to describe the foaming tendency and/or stability are empirical. This standard was PUBLISHED on 2019-3-26	20000	Voluntary
336	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6299:1998	Petroleum products Determination of dropping point of lubricating greases (wide temperature range)	This Uganda Standard specifies a method for the determination of the dropping point of lubricating grease over a wide temperature range. This standard was PUBLISHED on 2019-3-26	20000	Voluntary

337	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-9:2003	Lubricants, industrial oils and related products (class L) Classification Part 9: Family X (Greases)	This Uganda Standard establishes a detailed classification of family X (Greases) which belongs to class L (Lubricants, industrial oils and related products). It should be read in conjunction with ISO 6743_99[1]. This classification applies to categories of greases used for lubrication of equipment, components of machines, vehicles, etc. This standard was PUBLISHED on 2019-3-26	15000	Voluntary
338	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8681:1986	Petroleum products and lubricants Method of classification Definition of classes	This Uganda Standard establishes the general classification system which applies to petroleum products, lubricants and related products; defines the classes of petroleum products, lubricants and related products together with their designation. The rules of this classification system to apply to each class of product concerned will be specified in the relevant	15000	Voluntary

				standard This standard was PUBLISHED on 2019-3-26		
339	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11007:1997	Petroleum products and lubricants Determination of rust_prevention characteristics of lubricating greases	This Uganda Standard specifies a method for the determination of the rust_prevention characteristics of lubricating grease in the presence of aqueous test fluid. This standard was PUBLISHED on 2019-03-26.	15000	Voluntary
340	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11009:2000	Petroleum products and lubricants Determination of water washout characteristics of lubricating greases	This Uganda Standard specifies a method for evaluating the resistance of lubricating grease to washout by water from a bearing, when tested at 38 C and 79 C under specified laboratory conditions. It is not to be considered the equivalent of service evaluation tests characteristics of	15000	Voluntary

				lubricating greases. This standard was PUBLISHED on 2019-03-26.		
341	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12924:2010	Lubricants, industrial oils and related products (Class L) Family X (Greases) Specification	This Uganda Standard specifies the requirements of greases used for the lubrication of equipment, components of machines, vehicles, etc. This standard was PUBLISHED on 2019-3-26.	15000	Compulsory
342	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13737:2004	Petroleum products and lubricants Determination of low_temperature cone penetration of lubricating greases	This Uganda Standard specifies a method for determining the cone penetration of lubricating greases at low temperatures. This standard was PUBLISHED on 2019-3-26.	15000	Voluntary

343	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13738:2011	Lubricants, industrial oils and related products (class L) Family E (Internal combustion engine oils) Specifications for two_stroke_cycle gasoline engine oils (categories EGB, EGC and EGD)	This Uganda Standard specifies the requirements of lubricating oils (hereinafter referred to as two_stroke oils) to be used in two_stroke_cycle spark_ignition gasoline engines which employ a crankcase scavenging system and are used in transportation, leisure and utility applications, such as motorcycles, snowmobiles and chainsaws. The requirements specified in this standard are applicable to the categories of two_stroke oils, EGB, EGC and EGD, covered in US ISO6743_15, which defines the classification of lubricating oils for use in internal combustion engines. This standard was PUBLISHED on 2019-3-26.	15000	Voluntary
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344	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20844:2015	Petroleum and related products Determination of the shear stability of polymer_containing oils using a diesel injector nozzle	This Uganda Standard specifies a method to assess the resistance to shear stresses applied to mineral oils, synthetic oils, and other fluids containing polymers, when passed through a specified diesel injector nozzle. This standard was PUBLISHED on 2019-03-26.	20000	Voluntary
345	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 24254:2007	Lubricants, industrial oils and related products (class L) — Family E (internal combustion engine oils) — Specifications for oils for use in four_stroke cycle motorcycle gasoline engines and associated drivetrains (categories EMA and EMB)	This Uganda Standard specifies the requirements of lubricating engine oils (hereinafter referred to as four_stroke engine oils) to be used in four_stroke cycle spark ignition gasoline engines employing a common sump containing the lubricating oil for both the engine and associated drivetrain (transmission, clutch, starter) of motorcycles, motor scooters, all_terrain vehicles (ATVs) and related equipment. Classification of four_stroke engine oils	15000	Voluntary

				<p>is defined in ISO 6743_15 [1]. Among all of the categories covered by ISO 6743_15, this standard includes categories EMA and EMB. This standard was PUBLISHED on 2019-03-26.</p>		
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346	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5167- 1:2003	Measurement of fluid flow by means of pressure differential devices inserted in circular cross_section conduits running full Part 1: General General principles and requirements	This Uganda Standard defines terms and symbols and establishes the general principles for methods of measurement and computation of the flowrate of fluid flowing in a conduit by means of pressure differential devices (orifice plates, nozzles and Venturi tubes) when they are inserted into a circular cross_section conduit running full. This part of US ISO 5167 also specifies the general requirements for methods of measurement, installation and determination of the uncertainty of the measurement of flowrate. It also defines the general specified limits of pipe size and Reynolds number for which these pressure differential devices are to be used. This standard was PUBLISHED on 2019- 03-26.	45000	Voluntary
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347	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5167-2:2003	Measurement of fluid flow by means of pressure differential devices inserted in circular cross_section conduits running full Part 2: Orifice plates	This Uganda Standard specifies the geometry and method of use (installation and operating conditions) of orifice plates when they are inserted in a conduit running full to determine the flowrate of the fluid flowing in the conduit. This standard was PUBLISHED on 2019-03-26.	60000	Voluntary
348	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6551:1982	Petroleum liquids and gases Fidelity and security of dynamic measurement Cabled transmission of electric and/or electronic pulsed data	This Uganda Standard establishes guidelines for ensuring the fidelity and security of pulsed data cabled transmission Systems utilized for the metering of fluids (see the note), a main objective being to ensure the integrity of the primary indication This standard was PUBLISHED on 2019-3-26	30000	Voluntary

349	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6976:2016	Natural gas Calculation of calorific values, density, relative density and Wobbe index from composition	This Uganda Standard specifies methods for the calculation of gross calorific value, net calorific value, density, relative density, gross Wobbe index and net Wobbe index of natural gases, natural gas substitutes and other combustible gaseous fuels, when the composition of the gas by mole fraction is known. The methods specified provide the means of calculating the properties of the gas mixture at commonly used reference conditions. This standard was PUBLISHED on 2019-3-26	70000	Voluntary
350	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7278-2:1988	Liquid hydrocarbons Dynamic measurement Proving systems for volumetric meters Part 2: Pipe provers	This Uganda Standard provides guidance for the design, installation and calibration of pipe provers This standard was PUBLISHED on 2019-3-26	30000	Voluntary

351	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7278-3:1998	Liquid hydrocarbons Dynamic measurement Proving systems for volumetric meters Part 3: Pulse interpolation techniques	This Uganda Standard gives guidance on the procedures and conditions of use to be observed if pulse interpolation is used in conjunction with a pipe or small volume prover and a turbine or displacement meter to improve the discrimination of proving This standard was PUBLISHED on 2019-3-26	25000	Voluntary
352	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7278-4:1999	Liquid hydrocarbons Dynamic measurement Proving systems for volumetric meters Part 4: Guide for operators of pipe provers	This Uganda Standard provides guidance on operating pipe provers to prove turbine meters and displacement meters. It applies both to the types of pipe prover specified in US ISO 7278_2, which are referred to here as conventional pipe provers, and to other types referred to here as compact pipe provers or small volume provers This standard was PUBLISHED on 2019-3-26	40000	Voluntary

353	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8222:2002	Petroleum measurement systems Calibration Temperature corrections for use when calibrating volumetric proving tanks	This Uganda Standard specifies multiplication factors for the correction of the volume of water transferred from a primary measure to a tank for changes arising from temperature differences during the determination of the capacity of the tank at a reference temperature. This standard was PUBLISHED on 2019-3-26	15000	Voluntary
354	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 10715:1997	Natural gas Sampling guidelines	This Uganda Standard provides concise guidelines for the collection, conditioning and handling of representative samples of processed natural gas streams. It also contains guidelines for sampling strategy, probe location and the handling and design of sampling equipment. This standard was PUBLISHED on 2019-03-26.	50000	Voluntary

355	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12213- 1:2006	Natural gas Calculation of compression factor Part 1: Introduction and guidelines	This Uganda Standard specifies methods for the calculation of compression factors of natural gases, natural gases containing a synthetic admixture and similar mixtures at conditions under which the mixture can exist only as a gas. This standard was PUBLISHED on 2019- 03-26.	25000	Voluntary
356	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12213- 2:2006	Natural gas Calculation of compression factor Part 2: Calculation using molar_composition analysis	This Uganda Standard specifies methods for the calculation of compression factors of natural gases, natural gases containing a synthetic admixture and similar mixtures at conditions under which the mixture can exist only as a gas. This standard specifies a method for the calculation of compression factors when the detailed composition of the gas by mole fractions is known, together with the relevant pressures and temperatures. This standard was	45000	Voluntary

				PUBLISHED on 2019-03-26.		
357	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12213-3:2006	Natural gas Calculation of compression factor Part 3: Calculation using physical properties	This Uganda Standard specifies a method for the calculation of compression factors when the superior calorific value, relative density and carbon dioxide content are known, together with the relevant pressures and temperatures. If hydrogen is present, as is often the case for gases with a synthetic admixture, the hydrogen content also needs to be known. This standard was PUBLISHED on 2019-03-26.	50000	Voluntary

358	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15970:2008	Natural gas Measurement of Volumetric properties: density, pressure, temperature and compression factor	This Uganda Standard gives requirements and procedures for the measurement of the properties of natural gas that are used mainly for volume calculation and volume conversion: density at reference and at operating conditions, pressure, temperature and compression factor, pressure, temperature and compression factor. This standard was PUBLISHED on 2019-03-26.	60000	Voluntary
359	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 17089-1:2010	Measurement of fluid flow in closed conduits Ultrasonic meters for gas Part 1: Meters for custody transfer and allocation measurement	This Uganda Standard specifies requirements and recommendations for ultrasonic gas flowmeters (USMs), which utilize the transit time of acoustic signals to measure the flow of single-phase homogenous gases in closed conduits. THIS STANDARD WAS PUBLISHED ON 2019-03-26.	110000	Voluntary

360	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 158:2019	Automotive gasoline (Premium motor spirit) - Specification (3rd Edition)	This Uganda Standard specifies requirements; and sampling and test methods for automotive gasoline, Premium Motor Spirit (PMS), also commonly known as petrol, for use in spark-ignition engines, including those equipped with devices to reduce emitted pollutants. The standard applies to PMS as manufactured, stored, transported and marketed. (This standard cancels and replaces US EAS 158:2012, which has been technically revised). This standard was PUBLISHED on 2019-10-01	25000	Compulsory
361	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 177:2019	Automotive gas oil (automotive diesel) - Specification (3rd Edition)	This Uganda Standard specifies requirements; and sampling and test methods for Automotive Gas Oil (AGO), automotive diesel as manufactured, stored, transported, and marketed. (This standard cancels and replaces US EAS 177:2012, which has	25000	Compulsory

				been technically revised). This standard was PUBLISHED on 2019-10-01		
362	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2101:2019	Standard Test Method for Determination of Intrinsic Stability of Asphaltene-Containing Residues, Heavy Fuel Oils, and Crude Oils (n-Heptane Phase Separation; Optical Detection)	This Uganda Standard covers a procedure for quantifying the intrinsic stability of the asphaltenes in an oil by an automatic instrument using an optical device. This test method is applicable to residual products from thermal and hydrocracking processes, to products typical of Specifications D396 Grades No. 5L, 5H, and 6, and D2880 Grades No. 3-GT and 4-GT, and to crude oils, providing these products contain 0.5% by mass or greater concentration of asphaltenes. This standard was published on 2019-10-01	35000	Voluntary

363	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2105: 2019	Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels (Linear Cooling Rate Method)	Scope: This Uganda Standard covers the description of the determination of the cloud point of petroleum products and biodiesel fuels that are transparent in layers 40 mm in thickness by an automatic instrument using a linear cooling rate. This test method covers the range of temperatures from -60 Degrees C to 49 Degrees C with a temperature resolution of 0.1 Degrees C, however, the range of temperatures included in the 1997 interlaboratory cooperative test program only covered the temperature range of -56 Degrees C to +34 Degrees C. This standard was published on 2019-10-01.	20000	Voluntary
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364	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2106:2019	Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels (Constant Cooling Rate Method)	This Uganda Standard covers the determination of the cloud point of petroleum products and biodiesel fuels that are transparent in layers 40mm in thickness by an automatic instrument using a constant cooling rate. This test method covers the range of temperatures from -60 Degrees C to +49 Degrees C with temperature resolution of 0.1 Degrees C, however, the range of temperatures included in the 1997 interlaboratory cooperative test program only covered the temperature range of -56 Degrees C to +34 Degrees C. This standard was published on 2019-10-01	20000	Voluntary
365	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2116:2019	Standard Terminology Relating to Petroleum Products, Liquid Fuels, and Lubricants	This Uganda Standard covers the compilation of terminology on Petroleum Products, Liquid Fuels, and Lubricants, except that it does not include	110000	Voluntary

				terms/definitions specific only to the standards in which they appear. This standard was published on 2019-10-01		
366	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2117:2019	Standard Test Method for Determination of Total Sediment in Residual Fuels	This Uganda Standard covers the determination of total sediment up to 0.40 % m/m for distillate fuel oils containing residual components and to 0.50% m/m in residual fuel oils having a maximum viscosity of 55 cSt (mm ² /s) at 100 Degrees C. Some fuels can exceed the maximum filtration time specified in this test method due to factors other than the presence of significant quantities of insoluble organic or inorganic material. This test method can be used for the assessment of total sediment after regimes of fuel pretreatment designed to accelerate the aging process. This standard was published on 2019-10-01.	20000	Voluntary

367	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2118:2019	Standard Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories	This Uganda Standard covers the establishment and maintenance of the essentials of a quality management system in laboratories engaged in the analysis of petroleum products, liquid fuels, and lubricants. This standard was published on 2019-10-01	40000	Voluntary
368	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2119:2019	Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications	This Uganda Standard is intended to assist in the use of uniform methods of indicating the number of digits which are to be considered significant in specification limits, for example, specified maximum values and specified minimum values. Its aim is to outline methods which should aid in clarifying the intended meaning of specification limits with which observed values or calculated test results are compared in determining conformance with specifications. This standard was published	40000	Voluntary

				on 2019-10-01		
369	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2120:2019	Standard Practice for Dealing with Outlying Observations	This Uganda Standard covers outlying observations in samples and how to test the statistical significance of outliers. This standard was published on 2019-10-01.	30000	Voluntary

370	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 971:2019	Liquefied Petroleum Gases (LPG) - Specification	This Uganda Standard specifies requirements, sampling and test methods for those products commonly referred to as liquefied petroleum gases, consisting of commercial propane, commercial butane, and commercial propane butane mixture. This standard is applicable to products intended for use as domestic, commercial and industrial heating (This standard cancels and replaces US 971-4: 2014, Liquefied Petroleum Gases (LPG) - Part 4: Specification which has been technically revised). This standard was published on 2019-12-10	20000	Compulsory
371	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2159-1:2019	Hydraulic fluid - Performance classification - Part 1: General	This Uganda Standard covers the classification of hydraulic fluids used in hydraulic systems. This standard was published on 2019-10-01	40000	Voluntary

372	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2159-2:2019	Hydraulic fluid - Performance classification - Part 2: Specifications for categories HH, HL, HM, HV and HG	This Uganda Standard specifies performance requirements, sampling and test methods for new mineral oil hydraulic fluids of categories classified as HH, HL, HM, HV and HG, and intended for hydraulic systems, particularly for hydrostatic hydraulic fluid power application. This standard was published on 2019-10-01.	40000	Compulsory
373	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2159-3:2019	Hydraulic fluid - Performance classification - Part 3: Specifications for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU	This Uganda Standard specifies performance requirements, sampling and test methods for unused fire-resistant and less-flammable hydraulic fluids of the categories HFAE, HFAS, HFB, HFC, HFDR and HFDU, and is intended for hydrostatic and hydrodynamic systems in general industrial applications. This standard was published on 2019-10-01.	40000	Compulsory

374	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2159-4:2019	Hydraulic fluid - Performance classification - Part 4: Specifications for hydraulic fluids in categories HETG, HEPG, HEES and HEPR	This Uganda Standard specifies performance requirements, sampling and test methods for environmentally acceptable hydraulic fluids and is intended for hydraulic systems, particularly hydraulic fluid power systems. This standard stipulates the requirements for environmentally acceptable hydraulic fluids at the time of delivery. This standard was published on 2019-10-01	40000	Compulsory
375	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-6:2018	Lubricants, industrial oils and related products (class L) - Classification - Part 6: Family C (gear systems)	This Uganda Standard establishes the detailed classification of fluids of Family C (gear systems) which belongs to class L (lubricants, industrial oils and related products). It can be read in conjunction with ISO 6743-99 This standard was PUBLISHED on 2019-12-10	40000	Voluntary

376	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12925-1:2018	Lubricants, industrial oils and related products (class L) - Family C (gears) - Part 1: Specifications for lubricants for enclosed gear systems	This Uganda Standard establishes the specifications relative to family C (gears) for lubricants, industrial oils and related products of Class L. This document deals only with lubricants for enclosed gear systems. Lubricants for open gears and greases for gears (enclosed or open) are not covered. This standard was PUBLISHED on 2019-12-10.	45000	Compulsory
377	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-3:2003	Lubricants, industrial oils and related products (class L) - Classification - Part 3: Family D (Compressors)	This Uganda Standard establishes the detailed classification of lubricants for use in family D, air compressors, gas compressors and refrigeration compressors. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary

378	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-14:1994	Lubricants, industrial oils and related products (class L) - Classification - Part 14: Family U (Heat treatment)	This Uganda Standard establishes the detailed classification of hardening fluids of family U for use in the field of heat treatment. All the fluids listed belong to class L (lubricants, industrial oils and related products) This standard was PUBLISHED on 2019-12-10	40000	Voluntary
379	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1817:2015	Rubber, vulcanized or thermoplastic - Determination of the effect of liquids	This Uganda Standard describes methods of evaluating the resistance of vulcanized and thermoplastic rubbers to the action of liquids by measurement of properties of the rubbers before and after immersion in test liquids. The liquids concerned include current service liquids, such as petroleum derivatives, organic solvents and chemical reagents, as well as reference test liquids. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary

380	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 19291:2016	Lubricants - Determination of tribological quantities for oils and greases - Tribological test in the translator oscillation apparatus	This Uganda Standard describes test methods based on a high-frequency, linear-oscillation test machine to determine tribological quantities like friction, wear, load carrying capacity and extreme pressure behaviour of liquid lubricants (oils) and consistent lubricants (greases) in the ball-on-disk contact geometry. This standard was PUBLISHED on 2019-12-10.	25000	Voluntary
381	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3105:1994	Glass capillary kinematic viscometers - Specifications and operating instructions	This Uganda Standard gives specifications and operating instructions for glass capillary viscometers widely used for the determination of kinematic viscosity of petroleum products by the procedure described in ISO 3104. The calibration of these viscometers is also described. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary

382	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3448:1992	Industrial liquid lubricants - ISO viscosity classification	This Uganda Standard establishes a system of viscosity classification for industrial liquid lubricants and related fluids. This standard was PUBLISHED on 2019-12-10.	30000	Voluntary
383	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3733:1999	Petroleum products and bituminous materials - Determination of water - Distillation method	This Uganda Standard specifies a method for determination of water up to 25 % in petroleum products, bitumens, tars and products derived from these materials, excluding emulsions, by the distillation method. This Standard was PUBLISHED on 2019-12-10.	30000	Voluntary
384	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4259-1:2017	Petroleum and related products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test	This Uganda Standard specifies the methodology for the design of an Interlaboratory Study (ILS) and calculation of precision estimates of a test method specified by the study. In particular, it defines the relevant statistical terms (Clause 3), the procedures to be PUBLISHED in the planning of ILS to	50000	Voluntary

				determine the precision of a test method (Clause 4), and the method of calculating the precision from the results of such a study. This standard was PUBLISHED on 2019-12-10.		
385	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4263-1:2003	Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 1: Procedure for mineral oils	This Uganda Standard specifies a method for the determination of the ageing behaviour of rust and oxidation inhibited mineral oils having a density less than that of water, used as turbine oils (categories TSA, TGA, TSE, TGE of ISO 6743-5), hydraulic oils (categories HL, HM, HR, HV, HG of ISO 6743-4), and circulating oils (category CKB of ISO 6743-6). This standard was PUBLISHED on 2019-12-10.	50000	Voluntary

386	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4263-3:2010	Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids using the TOST test - Part 3: Anhydrous procedure for synthetic hydraulic fluids	This Uganda Standard specifies a method for the determination of the ageing behaviour of synthetic hydraulic fluids of categories HFDU, HEES, HEPG and HETG as defined in ISO 6743-4. This standard was PUBLISHED on 2019-12-10.	50000	Voluntary
387	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4263-4:2006	Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 4: Procedure for industrial gear oils	This Uganda Standard specifies a method for the determination of the ageing behaviour of gear oils of categories CKC, CKD, CKS and CKT as defined in ISO 6743-6. This standard was PUBLISHED on 2019-12-10.	50000	Voluntary
388	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4404-1:2012	Petroleum and related products - Determination of the corrosion resistance of fire resistant hydraulic fluids - Part 1: Water-containing fluids	This Uganda Standard specifies a test method to determine the influence on metals of fire-resistant fluids in categories HFA, HFB and HFC, as classified in ISO 6743-4. This standard was PUBLISHED on 2019-12-10	35000	Voluntary

389	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4404-2:2010	Petroleum and related products - Determination of the corrosion resistance of fire resistant hydraulic fluids - Part 2: Non-aqueous fluids	This Uganda Standard specifies a procedure for the determination of the corrosion-inhibiting properties of non-aqueous hydraulic fluids within the category HFD, as classified. This standard was PUBLISHED on 2019-12-10	50000	Voluntary
390	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4406:2017	Hydraulic fluid power - Fluids - Method for coding the level of contamination by solid particles	This Uganda Standard specifies the code to be used in defining the quantity of solid particles in the fluid used in a given hydraulic fluid power system. This standard was PUBLISHED on 2019-12-10.	50000	Voluntary
391	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5388:1981	Stationary air compressors - Safety rules and code of practice	This Uganda Standard establishes standards for the safe design, construction, installation and operation of stationary and skid-mounted air compressors for general use. It specifies requirements to help minimize compressor accidents and defines general safety practices for the field. This	50000	Voluntary

				standard was PUBLISHED on 2019- 12-10		
392	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5598:2008	Fluid power systems and components - Vocabulary	This Uganda Standard establishes the vocabulary, in English, French and German, for all fluid power systems and components, excluding aerospace applications and compressed air supply installations. This standard was PUBLISHED on 2019- 12-10	110000	Voluntary
393	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6072:2002	Hydraulic fluid power - Compatibility between fluids and standard elastomeric materials	This Uganda Standard specifies test methods for evaluating the effect of hydraulic fluids on standard elastomeric materials that have been manufactured in accordance with specified processes. It allows baseline comparisons of fluids with standard elastomers. This standard was	50000	Voluntary

				PUBLISHED on 2019-12-10		
394	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6614:1994	Petroleum products - Determination of water separability of petroleum oils and synthetic fluids	This Uganda Standard specifies a method for measuring the ability of petroleum oils or synthetic fluids to separate from water at a specified temperature This standard was PUBLISHED on 2019-12-10	40000	Voluntary
395	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6618:1997	Petroleum products and lubricants - Determination of acid or base number - Colour-indicator titration method	This Uganda Standard specifies a colour-indicator titration method for the determination of acidic or basic constituents in petroleum products and lubricants soluble in mixtures of toluene and propan-2-ol This standard was PUBLISHED on 2019-12-10	40000	Voluntary

396	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6619:1988	Petroleum products and lubricants - Neutralization number - Potentiometric titration method	This Uganda Standard specifies a method for the determination of acidic constituents in petroleum products and lubricants soluble or nearly soluble in mixtures of toluene and propan-2-ol This standard was PUBLISHED on 2019-12-10	40000	Voluntary
397	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7120:1987	Petroleum products and lubricants - Petroleum oils and other fluids - Determination of rust-preventing characteristics in the presence of water	This Uganda Standard specifies a method for evaluating petroleum oils and other fluids to indicate their effectiveness in preventing the rusting of ferrous parts should water become mixed with the oil/fluid This standard was PUBLISHED on 2019-12-10	70000	Voluntary
398	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7745:2010	Hydraulic fluid power - Fire-resistant (FR) fluids - Requirements and guidelines for use	This Uganda Standard specifies the operational characteristics for the various categories of fire-resistant fluids defined by ISO 6743-4. This standard was PUBLISHED on 2019-12-10	50000	Voluntary

399	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9120:1997	Petroleum and related products - Determination of air-release properties of steam turbine and other oils - Impinger method	This Uganda Standard specifies a method for the estimation of the ability of a petroleum-type steam turbine oil to be separated from entrained air. This standard was PUBLISHED on 2019-12-10.	20000	Voluntary
400	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 11500:2008	Hydraulic fluid power - Determination of the particulate contamination level of a liquid sample by automatic particle counting using the light-extinction principle	This Uganda Standard specifies an automatic particle counting procedure for determining the number and sizes of particles present in hydraulic-fluid bottle samples of clear, homogeneous, single phase liquids using an automatic particle counter (APC) that works on the light-extinction principle. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary
401	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12152:2012	Lubricants, industrial oils and related products - Determination of the foaming and air release properties of industrial gear oils using a spur gear test rig - Flender foam test procedure	This Uganda Standard describes a test method based on a single-stage spur gear rig to determine the foaming properties of oils used for the lubrication of gears. This standard	40000	Voluntary

				was PUBLISHED on 2019-12-10.		
402	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 12185:1996	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method	This Uganda Standard specifies a method for the determination, using an oscillating U-tube density meter, of the density of crude petroleum and related products within the range 600 kg/m ³ to 1 100 kg/m ³ , which can be handled as single-phase liquids at the test temperature and pressure. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary
403	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13226:2018	Rubber - Standard reference elastomers (SREs) for characterizing the effect of liquids on vulcanized rubbers	This Uganda Standard specifies requirements for vulcanized rubbers in sheet form for use as standards in characterizing the effect of test liquids and service fluids. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary

404	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13357-1:2002	Petroleum products - Determination of the filterability of lubricating oils - Part 1: Procedure for oils in the presence of water	This Uganda Standard specifies a procedure for the evaluation of the filterability of lubricating oils, particularly those designed for hydraulic applications, in the presence of water. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary
405	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13357-2:2005	Petroleum products - Determination of the filterability of lubricating oils - Part 2: Procedure for dry oils	This Uganda Standard specifies a procedure for the evaluation of the filterability of dry lubricating oils, particularly those designed for hydraulic applications. This standard was PUBLISHED on 2019-12-10.	50000	Voluntary
406	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 13757:1996	Liquefied petroleum gases - Determination of oily residues - High-temperature method	This Uganda Standard specifies a method for the determination of the residual matter in liquefied petroleum gases (LPG) that remains after evaporation at 105 C. This material, termed "oily residues", represents those products that are deposited in vaporizers	40000	Voluntary

				that are subject to a heat input greater than that of ambient evaporation. This standard was adopted on 2019-12-10.		
407	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14635-1:2000	Gears - FZG test procedures - Part 1: FZG test method A/8,3/90 for relative scuffing load carrying capacity of oils	This Uganda Standard specifies a test method based on an FZG four-square test machine to determine the relative load-carrying capacity of lubricating oils defined by the gear-surface damage known as scuffing. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary
408	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14935:1998	Petroleum and related products - Determination of wick flame persistence of fire-resistant fluids	This Uganda Standard specifies a method for the assessment of the persistence of a flame applied to the edge of a wick of non-flammable material immersed in fire-resistant fluid. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary

409	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15029-1:1999	Petroleum and related products - Determination of spray ignition characteristics of fire resistant fluids - Part 1: Spray flame persistence - Hollow-cone nozzle method	This Uganda Standard specifies a hollow-cone nozzle method for the assessment of the persistence of a flame applied to various points within a pressurized spray of fire-resistant fluid. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary
410	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 15029-2:2018	Petroleum and related products - Determination of spray ignition characteristics of fire-resistant fluids - Part 2: Spray test - Stabilized flame heat release method	This Uganda Standard specifies a method by which the fire hazards of pressurized sprays of fire-resistant fluids can be compared. This standard was PUBLISHED on 2019-12-10.	40000	Voluntary
411	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20763:2004	Petroleum and related products - Determination of anti-wear properties of hydraulic - Vane pump method	This Uganda Standard specifies procedures for the determination of steel-on-steel anti-wear properties of hydraulic fluids by means of performance in a vane-type hydraulic pump. This standard was PUBLISHED on 2019-12-10.	35000	Voluntary

412	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20764:2003	Petroleum and related products - Preparation of a test portion of high-boiling liquids for the determination of water content - Nitrogen purge method	This Uganda Standard specifies two procedures for the preparation of test portions from petroleum and related products boiling above 200 C, which can then be used for the determination of total water content within the range of 3 mg/kg to 1 000 mg/kg. This standard was PUBLISHED on 2019-12-10.	35000	Voluntary
413	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20783-1:2011	Petroleum and related products - Determination of emulsion stability of fire-resistant fluids - Part 1: Fluids in category HFAE	This Uganda Standard specifies a test method to assess the stability of emulsions within the category HFAE, as defined in ISO 6743-4, made up with waters having clearly-defined concentrations of salts. THIS STANDARD WAS PUBLISHED ON 2019-12-10.	35000	Voluntary
414	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20783-2:2003	Petroleum and related products - Determination of emulsion stability of fire-resistant fluids - Part 2: Fluids in category HFB	This Uganda Standard specifies three test methods to assess the stability of emulsions within the category HFB, as defined in ISO 6743-4. This standard was PUBLISHED on	35000	Voluntary

				2019-12-10.		
415	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20823:2003	Petroleum and related products - Determination of the flammability characteristics of fluids in contact with hot surfaces - Manifold ignition test Pneumatic fluids - Vane pump method	This Uganda Standard specifies a test method to determine the relative flammability of fluids when contacted with a hot metal surface at a fixed temperature, but it is also possible to gauge fluid ignition temperatures by adjustment of the manifold temperature. This standard was PUBLISHED on 2019-12-10.	35000	Voluntary
416	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 20843:2011	Petroleum and related products - Determination of pH of fire-resistant fluids within categories HFAE, HFAS and HFC	This Uganda Standard specifies a test method to determine the pH value of fire-resistant fluids within categories HFAE, HFAS and HFC, as classified in ISO 6743-4. This standard was PUBLISHED on 2019-12-10.	35000	Voluntary

417	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2030-1:2019	Proving systems - Methods of Calibration for Displacement and Volumetric Tank Provers - Part 1: Introduction to the Determination of the Volume of Displacement and Tank Provers	This Uganda Standard covers procedures required to determine the field data necessary to calculate a Base Prover Volume (BPV) of either Displacement Provers or Volumetric Tank Provers. This standard was published on 2019-12-10.	35000	Voluntary
418	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2031:2019	Metering assemblies - Lease Automatic Custody Transfer (LACT) Systems	This Uganda Standard gives guidelines for the design, installation, calibration, and operation of a lease automatic custody transfer (LACT) system. This standard was published on 2019-12-10	35000	Voluntary
419	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2160:2019	Measurement of fluid flow - Methods of specifying flowmeter performance	This Uganda Standard specifies methods of describing the performance of any flowmeter, for use in either closed conduits or open channels. It indicates how flowmeters may be classified according to their traceability group, and specifies how manufacturer's statements on traceability, quality	35000	Voluntary

				assurance and conditions of use should be expressed, although further statements may be required for other conditions of use This standard was published on 2019-12-10		
420	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5168:2005	Measurement of fluid flow - Procedures for the evaluation of uncertainties	This Uganda Standard establishes general principles and describes procedures for evaluating the uncertainty of a fluid flow-rate or quantity. This standard was PUBLISHED on 2019-03-26.	60000	Voluntary
421	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5208:2015	Industrial valves - Pressure testing of metallic valves	This Uganda Standard specifies examinations and tests that a valve manufacturer needs to act upon in order to establish the integrity of the pressure boundary of an industrial metallic valve and to verify the degree of valve closure tightness and the structural adequacy of	60000	Voluntary

				its closure mechanism. This standard was PUBLISHED on 2019-12-10.		
422	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6708:1995	Pipe components - Definition and selection of DN (nominal size)	This Uganda Standard gives the definition of DN (nominal size) when applied to components of a pipework system, as specified in those standards which use the DN designation system. This standard was PUBLISHED on 2019-12-10	40000	Voluntary
423	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9951:1993	Measurement of gas flow in closed conduits - Turbine meters	This Uganda Standard specifies dimensions, ranges, construction, performance, calibration, and output characteristics of turbine meters for gas flow measurement. This standard was PUBLISHED on 2019-12-10	60000	Compulsory

424	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 902:2018	Bulk Liquefied Petroleum Gas (LPG) road tankers - Assembling Requirements	This Uganda Standard specifies requirements for vehicles, equipment, accessories and assembling thereof used to form a bulk LPG road tanker for safe transportation, filling, and discharge operations. This standard was PUBLISHED on 2019-12-10	45000	Compulsory
425	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 903:2018	Road tankers - Welded steel tanks for Liquefied Petroleum Gas (LPG) - Design and manufacture	This Uganda Standard specifies minimum requirements for materials, design, construction and workmanship procedures, and tests for welded LPG road tanker and their welded attachments manufactured from carbon, carbon/manganese and micro alloy steels. This standard does not cover tanks for ISO type containers. This standard was PUBLISHED on 2019-12-10	65000	Compulsory

426	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 924-1:2018	Handling, storage, and distribution of Liquefied Petroleum Gas (LPG) in domestic, commercial, and industrial installations - Code of practice - Part 1: Storage and filling sites for refillable LPG containers of capacity not exceeding 150 L	This Uganda Standard gives guidelines for the location, installation and operation of storage and filling sites for refillable Liquefied Petroleum Gas (LPG) containers of capacity not exceeding 150 L. It identifies safe methods of filling and storing refillable containers and makes recommendations towards safe working procedures that cover all aspects of the storage and filling of refillable containers. This standard was PUBLISHED on 2019-12-10	40000	Voluntary
427	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 924-2:2018	Handling, storage, and distribution of Liquefied Petroleum Gas (LPG) in domestic, commercial, and industrial installations - Code of practice - Part 2: LPG installations involving gas storage vessels of individual water capacity exceeding 150 L and combined water capacity not exceeding 9 000 L per installation	This Uganda Standard gives guidelines for the layout, design and installation of butane, propane and LPG equipment and of storage vessels of combined water capacity not exceeding 9 000 L. These guidelines cover storage vessels of individual water capacity exceeding 150	40000	Voluntary

				L and associated vapourizers, pipe work and fittings up to the outlet of the first pressure reduction stage in the line. This standard was PUBLISHED on 2019-12-10		
428	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 925:2018	Inspection and testing of Liquefied Petroleum Gas (LPG) road tankers	This Uganda Standard specifies minimum requirements for the inspection and testing of the LPG road tanker which includes its tank, tank accessories and vehicle LPG equipment. This standard was PUBLISHED on 2019-12-10	65000	Voluntary

429	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 17782:2018	Petroleum, petrochemical and natural gas industries - Scheme for conformity assessment of manufacturers of special materials	This Uganda Standard establishes a procedure for verifying that the manufacturer of special materials for the petroleum, petrochemical and natural gas industries has sufficient competence and experience of the relevant material grades of metal, and the necessary facilities and equipment, to manufacture these materials in the required shapes and sizes with acceptable properties according to the applicable standard, material specification and/or material data sheet specified by the purchaser. This standard was PUBLISHED on 2020- 06-16	65000	Compulsory
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430	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 20074:2019	Petroleum and natural gas industry - Pipeline transportation systems - Geological hazard risk management for onshore pipeline	This Uganda Standard specifies requirements and gives recommendations on the management of geohazard risks during the pipeline design, construction and operational periods. This document is applicable to all operators and pipelines (existing and proposed/under construction). This document applies to onshore gathering and transmission pipelines used in the petroleum and natural gas industries. This standard was PUBLISHED on 2020-06-16	80000	Compulsory
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431	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 20815:2018	Petroleum, petrochemical and natural gas industries - Production assurance and reliability management	<p>This Uganda Standard describes the concept of production assurance within the systems and operations associated with exploration drilling, exploitation, processing and transport of petroleum, petrochemical and natural gas resources. This document covers upstream (including subsea), midstream and downstream facilities, petrochemical and associated activities. It focuses on production assurance of oil and gas production, processing and associated activities and covers the analysis of reliability and maintenance of the components. This includes a variety of business categories and associated systems/equipment in the oil and gas value chain. Production assurance addresses not only hydrocarbon production, but also associated activities such as drilling,</p>	110000	Compulsory
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				<p>pipeline installation and subsea intervention. (This Uganda Standard cancels and replaces the first edition, US ISO 20815:2008, Petroleum, petrochemical and natural gas industries - Production assurance and reliability management, which has been technically revised). This standard was PUBLISHED on 2020-06-16</p>		
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432	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-5:2006	Lubricants, industrial oils and related products (class L) - Classification - Part 5: Family T (Turbines	This Uganda Standard establishes the detailed classification of fluids of family T (Turbines) that belong to class L (Lubricants, industrial oils and related products). This classification excludes the products intended for aircraft turbines and the lubrication of wind turbines. This standard was PUBLISHED on 2020-06-16	20000	Voluntary
433	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-12:1989	Lubricants, industrial oils and related products (class L) - Classification - Part 12: Family Q (Heat transfer fluids)	This Uganda Standard establishes the detailed classification of family Q (heat transfer fluids). All products listed belong to class L (Lubricants, industrial oils and related products). This standard was PUBLISHED on 2020-06-16	20000	Voluntary
434	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-13:2002	Lubricants, industrial oils and related products (class L) - Classification - Part 13: Family G (Slideways)	This Uganda Standard establishes the detailed classification of family G (lubricants for slideways). All the lubricants listed in this classification belong to class L (Lubricants, industrial oils and	20000	Voluntary

				related products). This standard was PUBLISHED on 2020-06-16		
435	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8068:2006	Lubricants, industrial oils and related products (class L) - Family T (Turbines) - Specification for lubricating oils for turbines	This Uganda Standard specifies the minimum requirements for turbine lubricants, as delivered. It specifies the requirements for a wide variety of turbines for power generation, including steam turbines, gas turbines, combined-cycle turbines with a common lubrication system and hydraulic (water driven) turbines. This standard was PUBLISHED on 2020-06-16	30000	Compulsory
436	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 6405-2:2017	Earth-moving machinery- Symbols for operator controls and other displays- Part 2: Symbols for specific machines, equipment and accessories	This Uganda Standard standardizes symbols for use on operator controls and other displays on specific types of earth-moving machinery as defined in ISO 6165. This standard was published on 2021-03-02.	70000	Voluntary

437	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2257: 2021	Refined gold-Specification	This Uganda Standard specifies the requirements and methods of sampling and test for refined gold in cast bar form. This standard was published on 2021-03-02.	20000	Voluntary
438	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2258: 2021	Test Method for Chemical Analysis of Refined Gold by Direct Current Plasma Atomic Emission Spectrometry	This test method covers the analysis of refined gold for the following elements having the following chemical composition limits: Element Content Range, g/g Copper 17 to 300 Iron 6 to 150 Lead 17 to 100 Palladium 7 to 350 Silver 17 to 500 This standard was published on 2021-03-02	15000	Voluntary

439	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-8:1987	Lubricants, industrial oils and related products (class L)- Classification- Part 8: Family R (Temporary protection against corrosion)	This Uganda Standard establishes the detailed classification of family R (Temporary protection against corrosion), which belongs to class L (Lubricants, industrial oils and related products). This classification applies to categories of products which are assigned to ensure temporary protection against corrosion. It includes only those products the main function of which is to ensure temporary protection, the word "temporary" being relevant not to time-limit product efficiency but to the capacity for removal of the product after a certain time. This standard was published on 2021-03-02	15000	Voluntary
440	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 19378:2003	Lubricants, industrial oils and related products (class L)- Machine-tool lubricants- Categories and specifications	This Uganda Standard provides the manufacturers and users of machine tools with criteria for the choice among the various categories of	20000	Compulsory

				lubricants and gives specifications for these lubricants. This standard was published on 2021-03-02		
441	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 447:1984	Machine tools- Direction of operation of controls	machine tool components in one or other of two opposing directions. Its scope does not include controls for components that rotate continuously in the same direction during the normal functioning of the machine. This standard was published on 15 June 2021.	10000	Compulsory
442	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 10551:2019	Ergonomics of the physical environment- Subjective judgement scales for assessing physical environments	This Uganda Standard presents principles and examples of practical application for the construction of appropriate subjective scales for use in the assessment and evaluation of the physical environment. It does not standardize particular scales. It considers scales of perception, comfort, preference, acceptability,	40000	Compulsory

				expression form and tolerance, and environmental components such as thermal, visual, air quality, acoustic and vibration. This standard was published on 2021-06-15.		
443	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 13851:2019	Safety of machinery- Two-hand control devices- Principles for design and selection	This Uganda Standard specifies the safety requirements of a two-hand control device (THCD) and the dependency of the output signal from the actuation by hand of the control actuating devices. This standard was published on 15 June 2021.	35000	Compulsory

444	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 13856-1:2013	Safety of machinery- Pressure-sensitive protective devices- Part 1: General principles for design and testing of pressure-sensitive mats and pressure-sensitive floors	This Uganda Standard establishes general principles and specifies requirements for the design and testing of pressure-sensitive mats and pressure-sensitive floors normally actuated by the feet for use as devices for protecting persons from hazardous machinery. The minimum safety requirements for the performance, marking and documentation are given. This standard was published on 15 June 2021.	60000	Compulsory
445	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 13856-2:2013	Safety of machinery- Pressure-sensitive protective devices- Part 2: General principles for design and testing of pressure-sensitive edges and pressure-sensitive bars	This Uganda Standard establishes general principles and specifies requirements for the design and testing of pressure-sensitive edges and pressure-sensitive bars used as safeguards and not as actuating devices for normal operation. This standard is applicable to pressure-sensitive edges and pressure-sensitive bars, with or without an external reset facility, used to	70000	Compulsory

				detect persons or body parts that can be exposed to hazards such as those caused by the moving parts of machines. This standard was published on 15 June 2021.		
446	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 13857:2019	Safety of machinery- Safety distances to prevent hazard zones being reached by upper and lower limbs	This Uganda Standard establishes values for safety distances in both industrial and non-industrial environments to prevent machinery hazard zones being reached. The safety distances are appropriate for protective structures. It also gives information about distances to impede free access by the lower limbs (see Annex B). This document covers people of 14 years and older (the 5th percentile stature of 14-year-olds is approximately 1 400	60000	Compulsory

				<p>mm). In addition, for upper limbs only, it provides information for children older than 3 years (5th percentile stature of 3-year-olds is approximately 900 mm) where reaching through openings needs to be addressed. This standard was published on 15 June 2021.</p>		
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447	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 14118:2017	Safety of machinery- Prevention of unexpected start-up	<p>This Uganda Standard specifies requirements for designed-in means aimed at preventing unexpected machine start-up (see 3.2) to allow safe human interventions in danger zones (see Annex A). This standard applies to unexpected start-up from all types of energy source, i.e.: - power supply, e.g. electrical, hydraulic, pneumatic; - stored energy due to, e.g. gravity, compressed springs; - external influences, e.g. from wind. This standard does not specify performance levels or safety integrity levels for safety-related parts of control systems. While available means to prevent unexpected start-up are identified, this document does not specify the means for the prevention of unexpected machine start-up for specific machines. This standard was published</p>	25000	Compulsory
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				on 15 June 2021.		
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448	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 16321-1:2021	Eye and face protection for occupational use- Part 1: General requirements	<p>This Uganda Standard specifies general requirements for eye and face protectors. These protectors are intended to provide protection for the eyes and faces of persons against one or more common occupational hazards such as impacts from flying particles and fragments, optical radiation, dusts, splashing liquids, molten metals, heat, flame, hot solids, harmful gases, vapours and aerosols. Additional requirements for eye and face protectors used during welding and related techniques and for mesh protectors are given in US ISO 16321-2 and US ISO 16321-3, respectively. (This standard cancels and replaces US ISO 4849:1981 Personal eye-protectors- Specifications, US ISO 4852:1978 Personal eye-protectors- Infra-red filters- Utilisation and</p>	55000	Compulsory
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				<p>transmittance requirements and US ISO/FDIS 16321-1:2019, Eye and face protection for occupational use-Part 1: General requirements which have been technically revised). This standard was published on 15 June 2021.</p>		
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449	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 16321-2:2021	Eye and face protection for occupational use- Part 2: Additional requirements for protectors used during welding and related techniques	This Uganda Standard specifies additional material, design, performance and marking requirements for eye and face protectors designed to provide protection for the eyes and faces of persons against occupational hazards, such as optical radiation, impacts from flying particles and fragments, and hot solids during welding and related techniques. The other applicable requirements for welding protectors are given in US ISO 16321-1. (This standard cancels and replaces US ISO 4850:1979, Personal eye-protectors for welding and related techniques- Filters- Utilisation and transmittance requirements and US ISO/FDIS 16321-2:2019, Eye and face protection for occupational use- Part 2: Additional requirements for protectors used during	30000	Compulsory
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				<p>welding and related techniques, which have been technically revised). This standard was published on 15 June 2021.</p>		
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450	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 16321- 3:2021	Eye and face protection for occupational use- Part 3: Additional requirements for mesh protectors	This Uganda Standard specifies additional performance and marking requirements for mesh protectors designed to provide protection for the eyes and faces of persons against mechanical hazards such as impacts from flying particles and fragments. The other applicable requirements for mesh protectors and the frames/mountings to which they are intended to be fitted are given in US ISO 16321?1.This document also applies to mesh protectors used in educational establishments. This document also applies to those eyes and face protectors used for occupational-type tasks that are performed similarly to an occupation, e.g. "do?it?yourself". (This standard cancels and replaces US ISO/FDIS 16321-3:2019, Eye and face protection for	20000	Compulsory
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				occupational use- Part 3: Additional requirements for mesh protectors, which has been technically revised). This standard was published on 15 June 2021.		
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451	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 17723-1:2019	PPE ensembles for firefighters undertaking hazardous materials response activities- Part 1: Gas-tight, vapour-protective ensembles for emergency response teams (This Uganda Standard establishes minimum design and performance requirements for personal protective ensembles to be worn during hazardous materials responses involving chemical gas, vapour, liquid, and particulate hazards. This document provides optional criteria to address protection during terrorism involving chemical and biological agents. This standard was published on 15 June 2021.	45000	Compulsory
452	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 803:2021	Kerosene Specification (BIK)-	This Uganda Standard specifies requirements, sampling and test methods for kerosene intended for use as an illuminant and as fuel. (This standard cancels and replaces the first edition, US 803:2008, Kerosene for domestic heating and illuminating (BIK), which has been technically revised). This standard was	15000	Compulsory

				published on 15 June 2021.		
453	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1748:2021	Standard Test Method for Gum Content in Fuels by Jet Evaporation	This Uganda Standard covers the determination of the ethanol content of hydrocarbon blends containing greater than 20% ethanol. This method is applicable to denatured fuel ethanol, ethanol fuel blends, and mid-level ethanol blends. (This standard cancels and replaces US 1748:2017, Standard Test Method for Gum Content in Fuels by Jet Evaporation, which has been technically revised). (This standard is an adoption of ASTM D381- 19 Standard Test Method for Gum Content in Fuels by Jet Evaporation). This	20000	Compulsory

				standard was published on 15 June 2021.		
454	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1749:2021	Standard Practice for Aviation Fuel Sample Containers for Tests affected by Trace Contamination	This Uganda Standard covers the types of and preparation of containers found most suitable for the handling of aviation fuel samples for the determination of critical properties affected by trace contamination. (This standard cancels and replaces US 1749:2017, Standard Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination, which has been technically revised). (This standard is an adoption of ASTM	30000	Compulsory

				<p>D4306-20 Standard Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination). This standard was published on 15 June 2021.</p>		
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455	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1751:2021	Standard Test Method for Determination of Ethanol and Methanol Content in Fuels Containing Greater than 20% Ethanol by Gas Chromatography	This Uganda Standard covers the determination of the ethanol content of hydrocarbon blends containing greater than 20% ethanol. This method is applicable to denatured fuel ethanol, ethanol fuel blends, and mid-level ethanol blends. . (This standard cancels and replaces US 1751:2017, Standard Test Method for Determination of Ethanol and Methanol Content in Fuels Containing Greater than 20% Ethanol by Gas Chromatography, which has been technically revised). (This standard is an adoption of ASTM D5501-20 Standard Test Method for Determination of Ethanol and Methanol Content in Fuels Containing Greater than 20% Ethanol by Gas Chromatography). This standard was published on 15 June 2021.	30000	Compulsory
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456	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2282:2021	Fuel oils- Specification	This Uganda Standard specifies requirements, sampling and test methods for various grades of fuel oils intended for use in various types of fuel-oil-burning equipment under various climatic and operating conditions. This standard does not cover fuel oils containing more than 20 % by volume biodiesel component, and biodiesel blends with grades 4, 5, or 6. This standard was published on 15 June 2021.	20000	Compulsory
457	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2284:2021	Biodiesel fuel blend stock (B100) - Specification	This Uganda Standard specifies requirements, sampling and test methods for biodiesel (B100) for use as a blend component with middle distillate fuels. This standard was published on 15 June 2021.	20000	Compulsory

458	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2303:2021	Standard Test Method for Flash Point by Tag Closed Cup Tester	This Uganda Standard covers the determination of the flash point, by tag manual and automated closed testers, of liquids with a viscosity below 5.5 mm ² /s (cSt) at 40 Degrees C (104 Degrees F), or below 9.5 mm ² /s (cSt) at 25 Degrees C (77 Degrees F), and a flash point below 93 Degrees C (200 Degrees F). (This standard is an adoption of ASTM D56 -16a, Standard Test Method for Flash Point by Tag Closed Cup Tester). This standard was published on 15 June 2021.	20000	Compulsory
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459	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2304:2021	Standard Test Method for Determination of Fatty Acid Methyl Esters (FAME) in Diesel Fuel by Linear Variable Filter (LVF) Array Based Mid- Infrared Spectroscopy	This Uganda Standard determines fatty acid methyl esters (FAME or biodiesel) in diesel fuel oils. FAME can be quantitatively determined from 1.0% to 30.0% by volume. This test method uses linear variable filter (LVF) array based mid- infrared spectroscopy for monitoring FAME concentration. (This standard is an adoption of ASTM D7861 - 14 (Reapproved 2019), Standard Test Method for Determination of Fatty Acid Methyl Esters (FAME) in Diesel Fuel by Linear Variable Filter (LVF) Array Based Mid-Infrared Spectroscopy). This standard was published on 15 June 2021.	20000	Compulsory
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460	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2305:2021	Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	This Uganda Standard covers the atmospheric distillation of petroleum products and liquid fuels using a laboratory batch distillation unit to determine quantitatively the boiling range characteristics of such products as light and middle distillates, automotive spark-ignition engine fuels with or without oxygenates (see Note 1), aviation gasolines, aviation turbine fuels, diesel fuels, biodiesel blends up to 30% volume, marine fuels, special petroleum spirits, naphthas, white spirits, kerosines, and Grades 1 and 2 burner fuels. (This standard is an adoption of ASTM D86 - 20b, Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure). This standard was published on 15 June	55000	Compulsory
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				2021.		
461	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2306:2021	Standard Test Method for Saybolt Color of Petroleum Products (Saybolt Chromometer Method)	This Uganda Standard covers the determination of the color of refined oils such as undyed motor and aviation gasoline, jet propulsion fuels, naphthas and kerosine, and, in addition, petroleum waxes and pharmaceutical white oils. (This standard is an adoption of ASTM D156 - 15, Standard Test Method for Saybolt Color of Petroleum	20000	Compulsory

				Products (Saybolt Chromometer Method). This standard was published on 15 June 2021.		
462	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2307:2021	Standard Test Method for Burning Quality of Kerosene	This Uganda Standard covers the qualitative determination of the burning properties of kerosene to be used for illuminating purposes. (This standard is an adoption of ASTM D187 - 18, Standard Test Method for Burning Quality of Kerosene). This standard was published on 15 June 2021.	20000	Compulsory

463	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2308:2021	Standard Test Method for Freezing Point of Aviation Fuels	This Uganda Standard covers the determination of the temperature below which solid hydrocarbon crystals may form in aviation turbine fuels and aviation gasoline. If no crystallization point or freezing point can be measured, this test can be used to report the lowest measurable temperature reached before the crystallization point. (This standard is an adoption of ASTM D2386 19, Standard Test Method for Freezing Point of Aviation Fuels). This standard was published on 15 June 2021.	20000	Compulsory
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464	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2309:2021	Standard Test Method for Determination of Total Aromatic Hydrocarbons and Total Polynuclear Aromatic Hydrocarbons in Aviation Turbine Fuels and other Kerosene Range Fuels by Supercritical Fluid Chromatography	This Uganda Standard covers the determination of the concentration of total aromatics, and total polynuclear aromatic hydrocarbons in aviation turbine fuels and other kerosenes by supercritical fluid chromatography. (This standard is an adoption of ASTM D8305 - 19, Standard Test Method for The Determination of Total Aromatic Hydrocarbons and Total Polynuclear Aromatic Hydrocarbons in Aviation Turbine Fuels and other Kerosene Range Fuels by Supercritical Fluid Chromatography). This standard was published on 15 June 2021.	20000	Compulsory
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465	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2310:2021	Standard Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge	This Uganda Standard covers the determination of the volume of free water and sediment (as a percentage of the sample) that is suspended in the bulk fuel in middle distillate fuels with viscosities in the range of 1.0?mm ² /s to 4.1?mm ² /s at 40 Degrees C (1.0?cSt to 4.1?cSt at 104?i;½F) and densities in the range of 770?kg/m ³ to 900?kg/m ³ at 15? Degrees C. (This standard is an adoption of ASTM D2709-16, Standard Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge). This standard was published on 15 June 2021.	10000	Compulsory
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466	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2311:2021	Standard Test Methods for Flash Point by Pensky- Martens Closed Cup Tester	This Uganda Standard covers the determination of the flash point of petroleum products in the temperature range from 40 Degrees C to 370 Degrees C by a manual Pensky-Martens closed- cup apparatus or an automated Pensky- Martens closed-cup apparatus, and the determination of the flash point of biodiesel in the temperature range of 60 Degrees C to 190 Degrees C by an automated Pensky- Martens closed cup apparatus. (This standard is an adoption of ASTM D93 - 20, Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester). This standard was published on 15 June 2021.	35000	Compulsory
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467	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2312:2021	Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation	This Uganda Standard covers the determination of water in the range from 0 % to 25 % by volume in petroleum products, tars, and other bituminous materials by the distillation method. (This standard is an adoption of ASTM D95 - 13 (Reapproved 2018), Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation). This standard was published on 15 June 2021.	15000	Compulsory
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468	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2313:2021	Standard Test Method for Sulfur in Petroleum Products (General High Pressure Decomposition Device Method)	This Uganda Standard covers the determination of sulfur in petroleum products, including lubricating oils containing additives, additive concentrates, and lubricating greases that cannot be burned completely in a wick lamp. The test method is applicable to any petroleum product sufficiently low in volatility that it can be weighed accurately in an open sample boat and containing at least 0.1?% sulfur. (This standard is an adoption of ASTM D129 - 18, Standard Test Method for Sulfur in Petroleum Products (General High Pressure Decomposition Device Method)). This standard was published on 15 June 2021.	15000	Compulsory
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469	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2314:2021	Standard Test Method for Ash from Petroleum Products	This Uganda Standard covers the determination of ash in the range 0.010?% to 0.180?% by mass, from distillate and residual fuels, gas turbine fuels, crude oils, lubricating oils, waxes, and other petroleum products, in which any ash-forming materials present are normally considered to be undesirable impurities or contaminants. The test method is limited to petroleum products which are free from added ash-forming additives, including certain phosphorus compounds. (This standard is an adoption of ASTM D482 - 19, Standard Test Method for Ash from Petroleum Products). This standard was published on 15 June 2021.	15000	Compulsory
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470	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2315:2021	Standard Test Method for Ramsbottom Carbon Residue of Petroleum Products	This Uganda Standard covers the determination of the amount of carbon residue (Note 1) left after evaporation and pyrolysis of an oil, and it is intended to provide some indication of relative coke-forming propensity. This test method is generally applicable to relatively non-volatile petroleum products which partially decompose on distillation at atmospheric pressure. (This standard is an adoption of ASTM D524-15 (Reapproved 2019), Standard Test Method for Ramsbottom Carbon Residue of Petroleum Products). This standard was published on 15 June 2021.	20000	Compulsory
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471	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2316:2021	Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration	This Uganda Standard covers procedures for the determination of acidic constituents in petroleum products, lubricants, biodiesel, and blends of biodiesel. (This standard is an adoption of ASTM D664 - 18e2, Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration). This standard was published on 15 June 2021.	25000	Compulsory
472	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2317:2021	Standard Test Method for Sulfur in Petroleum Products (Lamp Method)	This Uganda Standard covers the determination of total sulfur in liquid petroleum products in concentrations from 0.01% to 0.4% by mass (Note 1). A special sulfate analysis procedure is described in Annex A1 that permits the determination of sulfur in concentrations as low as 5 mg/kg. (This standard is an adoption of ASTM D1266 - 18, Standard Test Method for Sulfur in Petroleum	20000	Compulsory

				Products (Lamp Method)). This standard was published on 15 June 2021.		
473	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2318:2021	Standard Test Method for Sulfur in Petroleum Products by High Temperature Combustion and Infrared (IR) Detection or Thermal Conductivity Detection (TCD)	This Uganda Standard covers procedures for the determination of total sulfur in petroleum products including lubricating oils containing additives, and in additive concentrates. This test method is applicable to samples boiling above 177 Degrees C (350 Degrees F) and containing a mass fraction of sulfur between 0.22 % and 24.2 %. Other sulfur concentrations may be analyzed, but the precision stated may or may not apply. (This standard is an adoption of ASTM D1552-16-1,	20000	Compulsory

				Standard Test Method for Sulfur in Petroleum Products by High Temperature Combustion and Infrared (IR) Detection or Thermal Conductivity Detection (TCD)). This standard was published on 15 June 2021.		
474	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2319:2021	Standard Test Methods for Electrical Conductivity of Aviation and Distillate Fuels	This Uganda Standard covers the determination of the electrical conductivity of aviation and distillate fuels with and without a static dissipator additive. The test methods normally give a measurement of the conductivity when the fuel is uncharged, that is, electrically at rest (known as the rest conductivity). (This standard is an adoption of ASTM D2624 - 15,	20000	Compulsory

				Standard Test Method for Electrical Conductivity of Aviation and Distillate Fuels)). This standard was published on 15 June 2021.		
475	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2320:2021	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry	This Uganda Standard covers the determination of total sulfur in petroleum and petroleum products that are single-phase and either liquid at ambient conditions, liquefiable with moderate heat, or soluble in hydrocarbon solvents. (This standard is an adoption of ASTM D4294-21, Standard Test Method Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry). This standard was published on 15 June 2021.	20000	Compulsory

476	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2322:2021	Standard Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter	1.1 This test method covers and applies to the determination of the electrical conductivity of aviation fuels and other similar low-conductivity hydrocarbon liquids in the range from 1µS/m to 2000µS/m (see 3.1.2). This test method can be used in the laboratory or in the field. (This standard is an adoption of ASTM D4308 - 13, Standard Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter). This standard was published on 15 June 2021.	15000	Compulsory
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477	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2323:2021	Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence	This test method covers the determination of total sulfur in liquid hydrocarbons, boiling in the range from approximately 25â€°C to 400â€°C, with viscosities between approximately 0.2â€°cSt and 20â€°cSt (mm ² /s) at room temperature. (This standard is an adoption of ASTM D5453 -19a, Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence). This standard was published on 15 June 2021.	25000	Compulsory
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478	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2324:2021	Standard Practice for Sampling and Handling of Fuels for Volatility Measurement	This Uganda Standard covers procedures and equipment for obtaining, mixing, and handling representative samples of volatile fuels for the purpose of testing for compliance with the standards set forth for volatility related measurements applicable to light fuels. (This standard is an adoption of ASTM D5842 - 19, Standard Practice for Sampling and Handling of Fuels for Volatility Measurement,). This standard was published on 15 June 2021.	20000	Compulsory
479	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2325:2021	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)	This Uganda Standard covers the evaluation of the lubricity of diesel fuels using a high-frequency reciprocating rig (HFRR). (This standard is an adoption of ASTM D6079 - 18, Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)). This standard was published on 15	20000	Compulsory

				June 2021.		
480	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2326:2021	Standard Test Method for Sulfur in Gasoline Diesel Fuel Jet Fuel Kerosine Biodiesel, Biodiesel Blends and Gasoline- Ethanol Blends by Monochromatic Wavelength Dispersive X- ray Fluorescence Spectrometry	This Uganda Standard covers the determination of total sulfur by monochromatic wavelength-dispersive X-ray fluorescence (MWDXRF) spectrometry in single- phase gasoline, diesel fuel, refinery process streams used to blend gasoline and diesel, jet fuel, kerosine, biodiesel, biodiesel blends, and gasoline-ethanol blends. (This standard is an adoption of ASTM D7039 - 15a, Standard Test Method for Sulfur in Gasoline Diesel Fuel Jet Fuel Kerosine Biodiesel, Biodiesel Blends and Gasoline- Ethanol Blends by Monochromatic Wavelength Dispersive	25000	Compulsory

				X-ray Fluorescence Spectrometry). This standard was published on 15 June 2021.		
481	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2327:2021	Standard Test Method for Sulfur in Automotive, Heating, and Jet Fuels by Monochromatic Energy Dispersive X-ray Fluorescence Spectrometry	This test method specifies an energy-dispersive X-ray fluorescence (EDXRF) method for the determination of total sulfur in automotive, No. 2 heating, and jet fuels with a concentration range of 3â€‰%mg/kg to 942â€‰%mg/kg. (This standard is an adoption of ASTM D7220 - 12 (Reapproved 2017), Standard Test Method for Sulfur in	15000	Compulsory

				Automotive, Heating, and Jet Fuels by Monochromatic Energy Dispersive X-ray Fluorescence Spectrometry). This standard was published on 15 June 2021.		
482	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2329:2021	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR) by Visual Observation	This Uganda Standard covers the evaluation of the lubricity of diesel fuels using a high-frequency reciprocating rig (HFRR). (This standard is an adoption of ASTM D7688 - 14, Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR) by Visual Observation). This standard was published on 15 June 2021.	20000	Compulsory

483	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2336:2021	Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels	This test method covers only petroleum products and biodiesel fuels that are transparent in layers 40â€mm in thickness, and with a cloud point below 49â€°C. (This standard is an adoption of ASTM D2500 - 17a, Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels). This standard was published on 15 June 2021.	15000	Compulsory
484	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2337:2021	Standard Test Method for Determination of Total Monoglycerides, Total Diglycerides, Total Triglycerides, and Free and Total Glycerin in B-100 Biodiesel Methyl Esters by Gas Chromatography	This Uganda Standard covers the quantitative determination of total monoglyceride, total diglyceride, total triglyceride, and free and total glycerin in B-100 methyl esters by gas chromatography. (This standard is an adoption of ASTM D6584 -17, Standard Test Method for Determination of Total Monoglycerides, Total Diglycerides, Total Triglycerides, and Free and Total Glycerin in B-100 Biodiesel Methyl	20000	Compulsory

				Esters by Gas Chromatography). This standard was published on 15 June 2021.		
485	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2338:2021	Standard Test Method for Determination of Fuel Filter Blocking Potential of Biodiesel (B100) Blend Stock by Cold Soak Filtration Test (CSFT)	This test method covers the determination by filtration time after cold soak for the suitability of biodiesel fuel blendstock (B100) that meets all other requirements of Specification D6751 and has a cloud point below 20â€‰%âˆÂ°C (68â€‰%âˆ°F) to provide adequate low temperature operability performance to at least the cloud point of the finished blend. (This standard is an adoption of ASTM D7501 -18a, Standard Test Method for Determination of Fuel Filter Blocking	20000	Compulsory

				<p>Potential of Biodiesel (B100) Blend Stock by Cold Soak Filtration Test (CSFT)). This standard was published on 15 June 2021.</p>		
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486	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2341:2021	Standard Test Method for Determination of Existent and Potential Sulfate and Inorganic Chloride in Fuel Ethanol and Butanol by Direct Injection Suppressed Ion Chromatography	This test method covers a direct injection ion chromatographic procedure for determining existent and potential inorganic sulfate and total inorganic chloride content in hydrous and anhydrous denatured ethanol and butanol to be used in motor fuel applications. It is intended for the analysis of ethanol and butanol samples containing between 1.0â€‰%mg/kg to 20 mg/kg of existent or potential inorganic sulfate and 1.0â€‰%mg/kg to 50 mg/kg of inorganic chloride. (This standard is an adoption ASTM D7319 -17, Standard Test Method for Determination of Existent and Potential Sulfate and Inorganic Chloride in Fuel Ethanol and Butanol by Direct Injection Suppressed Ion Chromatography). This standard was	20000	Compulsory
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				published on 15 June 2021.		
487	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2342:2021	Standard Test Methods for Copper in Water	This Uganda Standard covers the determination of copper in water by atomic absorption spectrophotometry. (This standard is an adoption of ASTM D1688 - 17, Standard Test Methods for Copper in Water). This standard was published on 15 June 2021.	20000	Compulsory

488	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2345:2021	Standard Test Method for Determination of pHe of Denatured Fuel Ethanol and Ethanol Fuel Blends	This test method covers a procedure to determine a measure of the hydrogen ion activity of high ethanol content fuels. These include denatured fuel ethanol and ethanol fuel blends. The test method is applicable to denatured fuel ethanol and ethanol fuel blends containing ethanol at 51â€‰% by volume, or more. (This standard is an adoption of ASTM D6423 - 20a, Standard Test Method for Determination of pHe of Denatured Fuel Ethanol and Ethanol Fuel Blends). This standard was published on 15 June 2021.	20000	Compulsory
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489	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2346:2021	Standard Test Method for Existent Inorganic Sulfate in Ethanol by Potentiometric Titration	This test method covers a potentiometric titration procedure for determining the existent inorganic sulfate content of hydrous, anhydrous ethanol, and anhydrous denatured ethanol, which is added as a blending agent with spark ignition fuels. It is intended for the analysis of denatured ethanol samples containing between 1.0‰mg/kg to 20‰mg/kg existent inorganic sulfate. (This standard is an adoption of ASTM D7318 - 19e1, Standard Test Method for Existent Inorganic Sulfate in Ethanol by Potentiometric Titration). This standard was published on 15 June 2021.	20000	Compulsory
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490	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2371:2021	Standard Test Method for Smoke Point of Kerosene and Aviation Turbine Fuel	This Uganda Standard covers two procedures for determination of the smoke point of kerosene and aviation turbine fuel, a manual procedure and an automated procedure, which give results with different precision. (This standard is an adoption of ASTM D1322 - 19, Standard Test Method for Smoke Point of Kerosene and Aviation Turbine Fuel). This standard was published on 15 June 2021.	25000	Compulsory
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491	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2372:2021	Standard Test Method for (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method)	This test method covers the determination of mercaptan sulfur in gasolines, kerosines, aviation turbine fuels, and distillate fuels containing from 0.0003% to 0.01% by mass of mercaptan sulfur. Organic sulfur compounds such as sulfides, disulfides, and thiophene, do not interfere. Elemental sulfur in amounts less than 0.0005% by mass does not interfere. Hydrogen sulfide will interfere if not removed, as described in 9.2. (This standard is an adoption of ASTM D3227 - 16, Standard Test Method for (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method)). This standard was published on 15 June 2021.	15000	Compulsory
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492	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 924-3:2020	Handling, storage, and distribution of Liquefied Petroleum Gas (LPG) in domestic, commercial, and industrial installations- Code of practice- Part 3: Liquefied petroleum gas installations involving storage vessels of individual water capacity exceeding 9000 L	This Uganda Standard covers recommendations for the layout, design and installation of liquefied petroleum gas equipment and of above ground, buried and mounded storage vessels of individual water capacity exceeding 9 000 L. This standard does not cover refrigerated LPG storage. This standard was published on 15 June 2021.	50000	Voluntary
493	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 924-4:2020	Handling, storage, and distribution of Liquefied Petroleum Gas (LPG) in domestic, commercial, and industrial installations- Code of practice- Part 4: Road, rail and maritime transportation of LPG in bulk	This Uganda Standard outlines guidelines to be followed during road, rail and maritime transportation of LPG in bulk. This standard does not cover transportation of LPG in cylinders. This standard was published on 15 June 2021.	40000	Voluntary
494	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 938:2020	Transportable refillable steel and aluminium Liquefied Petroleum Gas (LPG) cylinders- Procedures for gas freeing and disposal	This Uganda Standard specifies procedures for gas freeing and disposal of refillable steel or aluminium LPG cylinders, of water capacity 0.5 L up to and including 150 L.. This	15000	Compulsory

				standard was published on 15 June 2021.		
495	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 939:2020	Grill for domestic Liquefied Petroleum Gas (LPG) cylinders- Specification	This Uganda Standard specifies the requirements and test methods for grills which are directly coupled on domestic liquefied petroleum gas (LPG) cylinders. This standard was published on 15 June 2021.	20000	Compulsory
496	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 940:2020	Mountable burner for use with Liquefied Petroleum Gas (LPG)- Specification	This Uganda Standard specifies requirements and performance tests for mountable burner intended for domestic use with LPG. This standard does not cover auto-ignition (inbuilt) burners and burners connected to regulators by means of hose pipe connections. This standard was published on 15 June 2021.	20000	Compulsory

497	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 976:2020	Petroleum industry- Storage and distribution of petroleum products in above-ground bulk installations	This Uganda Standard covers the layout and design of above-ground bulk petroleum depots, and the installation of equipment used for the handling, storage and distribution of petroleum products that are stable at atmospheric temperature and pressure. This standard does not cover the storage and distribution of LPG and equipment that is used for storage and dispensing at consumer premises including service stations. (This standard cancels and replaces US 947-2:2019, Petroleum Industry- Above ground storage tanks of petroleum products- Part 2: Siting, design and construction of large consumer installations and handling of petroleum products and their derivatives, which has been withdrawn). This standard was published on 15 June 2021.	90000	Compulsory
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498	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 977:2020	Petroleum industry- Installation of underground storage tanks, pumps/dispensers and pipe work at service stations and consumer installations- Code of practice	This Uganda Standard provides guidelines for the installation of underground storage tanks of individual capacity not exceeding 125 000 l. This standard covers guideline on installation for pumps/dispensers and pipe work at service stations and consumer sites. This standard also covers the installation of pressurized underground storage tanks for auto-gas. (This standard cancels and replaces US 947-1:2019, Handling of petroleum products and their derivatives- Part 1: Siting, design and construction of service stations (2nd Edition), which has been withdrawn). This standard was published on 15 June 2021.	55000	Compulsory
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499	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 978:2020	Storage and handling of liquid fuel- Large consumer installations- Code of practice	This Uganda Standard gives recommendations for the storage and handling of petroleum products that are stable at atmospheric temperature and pressure at large consumer installations. This standard does not cover the handling and storage of LPG. This standard was published on 15 June 2021.	45000	Compulsory
500	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 979:2020	Road tankers for petroleum-based flammable liquids- Specification	This Uganda Standard specifies the requirements and methods of test for tank vehicles intended for use on public roads, for transportation of normally stable petroleum-based flammable liquids, at temperatures below their boiling point. This standard does not cover tankers for liquefied petroleum gas (LPG) (see EAS 903), unstable products and all other flammable liquids other than hydrocarbons. This standard was published on 15 June 2021.	55000	Compulsory

501	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US EAS 980:2020	Petroleum facilities- Retail and consumer outlets- Classification	This Uganda Standard specifies the classification requirements for petroleum fuel outlets both retail and consumer sites based on risk and functionality. This standard was published on 15 June 2021.	25000	Compulsory
502	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 374-2:2019	Protective gloves against dangerous chemicals and micro-organisms -Part 2: Determination of resistance to penetration	This Uganda Standard specifies a test method for the penetration resistance of gloves that protect against dangerous chemicals and/or micro-organisms. This standard was published on 2021-12-14	20000	Compulsory
503	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 374-4:2019	Protective gloves against dangerous chemicals and micro-organisms -Part 4: Determination of resistance to degradation by chemicals	This Uganda Standard specifies the test method for the determination of the resistance of protective glove materials to degradation by dangerous chemicals with continuous contact. This standard was published on 2021-12-14	20000	Compulsory

504	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 6405-1:2017	Earth-moving machinery - Symbols for operator controls and other displays -Part 1: Common symbols	This Uganda Standard standardizes symbols for use on operator controls and other displays applicable to multiple types of earth-moving machinery as defined in ISO 6165 This standard was published on 2021-12-14	100000	Compulsory
505	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 10418:2019	Petroleum and natural gas industries -Offshore production installations - Process safety systems	This Uganda Standard provides objectives, functional requirements, and guidelines for techniques for the analysis and design of surface process safety systems for offshore installations used for the recovery of hydrocarbon resources. It also provides recommendations and requirements on support systems that complement the process safety systems in reducing risk This standard was published on 2021-12-14	30000	Compulsory

506	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 17776:2016	Petroleum and natural gas industries -Offshore production installations - Major accident hazard management during the design of new installations	This Uganda Standard describes processes for managing major accident (MA) hazards during the design of offshore oil and gas production installations. It provides requirements and guidance on the development of strategies both to prevent the occurrence of MAs and to limit the possible consequences. It also contains some requirements and guidance on managing MA hazards in operation. This standard is applicable to the design of - fixed offshore structures, and - floating systems for production, storage and offloading for the petroleum and natural gas industries. This standard was published on 2021-12-14	110000	Compulsory
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507	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO/TS 21054:2020	Ergonomics -Accessible design -Controls of consumer products	This Uganda Standard defines design principles of accessibility for controls of consumer products, so that users from a population with the widest range of user needs, characteristics and capabilities are able to use controls to operate and control consumer products in the same manner and ease as users without disabilities. This document is applicable to all kinds and types of consumer products. This document is applicable to the controls for common main operations of consumer products such as initiation, termination, and cancellation of operation, as well as for specified functions necessary for more detailed operations and fine adjustment. This document does not deal with controls for some specialized devices intended only for	20000	Voluntary
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				<p>specified user populations and tasks, e.g. assistive and medical devices. Each design consideration in this document is based on ergonomic principles that are necessary for making the controls of consumer products accessible to a wider range of users. This standard was published on 2021-12-14</p>		
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508	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 24508:2019	Ergonomics -Accessible design -Guidelines for designing tactile symbols and characters	<p>This Uganda Standard provides design guidelines and requirements for tactile symbols and characters used for information and marking for people who need non-visual or non-auditory information. It is applicable to products, facilities and equipment in housing and transportation, services and packaging, where tactile symbols and characters may be used. This document specifies the physical characteristics of tactile symbols and characters for ease of legibility by touch taking into account human abilities of tactile sense and their aging effect. It does not specify semantic characteristics of tactile symbols and characters. This document is applicable to tactile symbols and characters of convex-type touched by fingers This standard was published on 2021-12-14</p>	25000	Voluntary
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509	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 24550:2019	Ergonomics -Accessible design -Indicator lights on consumer products	This Uganda Standard specifies design requirements and recommendations for indicator lights, mainly LED sourced, on consumer products for use by older people and people with visual disabilities. It does not consider the needs of persons who are blind. Indicator lights include those that inform users visually about the conditions, changes in functional status and settings, and malfunction of products. They convey information by light on/off, time-modulated intensity, blinking, colour, luminance level, and layout. This document addresses household and home appliances. It excludes electronic displays presenting characters and graphics, machinery, and appliances in special use for professional, technical, and industrial applications. This	20000	Voluntary
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				standard was published on 2021-12-14		
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510	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 24551:2019	Ergonomics design instructions of consumer products -Accessible -Spoken	This Uganda Standard specifies ergonomic requirements and recommendations for consumer product spoken instructions that are provided to guide users in the operation of a product and/or as a means of providing feedback to users about the status/state of a product. Such instructions can be used by persons with or without visual impairments, and are useful for users who have difficulty reading and/or cognitive impairments. The applicability of the requirements and recommendations described in this document does not depend on the language of the instructions or whether the instructions are provided via recorded human speech or synthesized speech from text. The requirements and recommendations in	20000	Voluntary
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				<p>this document are applicable to conventional, stand-alone consumer products in general, whose function is limited by characteristics that prevent a user from attaching, installing or using assistive technology in order to use the product. They are not applicable to machines and equipment used for professional work. This document does not apply to products for which the instructional content and/or the means of presentation are specified in other standards (e.g. medical devices, fire alarms). It also does not provide recommendations or requirements for spoken instructions of Interactive Voice Response (IVR) systems or digital assistants on personal computers or similar devices. NOTE ISO 9241-154 provides</p>		
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				<p>recommendations or requirements for IVR systems. This document does not specify voice sounds of text-to-speech systems or narrative speech used in place of printed instruction manuals and independently from the product This standard was published on 2021-12-14</p>		
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511	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 24552:2020	Ergonomics -Accessible design -Accessibility of information presented on visual displays of small consumer products	<p>This Uganda Standard specifies the methods to improve accessibility of the visual display on small consumer products in order to minimize inconveniences that a variety of users including people with disabilities and the elderly can experience while using those products. In particular, this document focusses on how to present information on small visual displays to make the product more accessible for older people and people with low vision or colour deficiency. The provision of different modalities or alternative ways of displaying information to make the product more accessible is not covered in this document. This document only covers accessibility with regard to visual presentation of information, not audio</p>	20000	Voluntary
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				or tactile-based display methods This standard was published on 2021-12-14		
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512	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3405:2019	Petroleum and related products from natural or synthetic sources - Determination of distillation characteristics at atmospheric pressure	<p>This Uganda Standard specifies a laboratory method for the determination of the distillation characteristics of light and middle distillates derived from petroleum and related products of synthetic or biological origin with initial boiling points above 0 °C and end-points below approximately 400 °C, utilizing either manual or automated equipment. Light distillates are typically automotive engine petrol, automotive engine ethanol fuel blends with up to 85 % (V/V) ethanol, and aviation petrol. Middle distillates are typically aviation turbine fuel, kerosene, diesel, diesel with up to 30 % (V/V) FAME, burner fuel, and marine fuels that have no appreciable quantities of residua. (This standard cancels and replaces the first edition, US ISO 3405:2000, Petroleum</p>	55000	Voluntary
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				products - Determination of distillation characteristics at atmospheric pressure, which has been technically revised) This standard was published on 2021-12- 14		
513	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743- 1:2002	Lubricants, industrial oils and related products (class L) -Classification - Part 1: Family A (Total loss systems)	This Uganda Standard establishes the detailed classification of family A (Total loss systems) which belongs to class L (Lubricants, industrial oils and related products). This standard was published on 2021-12-14	15000	Voluntary

514	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5167-5:2016	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full -Part 5: Cone meters	This Uganda Standard specifies the geometry and method of use (installation and operating conditions) of cone meters when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit. This standard was published on 2021-12-14	25000	Voluntary
515	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 5167-6:2019	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full -Part 6: Wedge meters	This Uganda Standard specifies the geometry and method of use (installation and operating conditions) of wedge meters when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit. This standard was published on 2021-12-14	25000	Voluntary

516	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 16368:2010	Mobile elevating work platforms - Design, calculations, safety requirements and test methods	This Uganda Standard specifies safety requirements and preventive measures, and the means for their verification, for all types and sizes of mobile elevating work platforms (MEWPs) intended for moving persons to working positions. It gives the structural design calculations and stability criteria, construction, safety examinations and security tests to be applied before a MEWP is first put into service, identifies the hazards arising from the use of MEWPs and describes methods for the elimination or reduction of those hazards. This standard was published on 2022-02-04	110000	Compulsory
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517	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 1809:2022	Standard Test Method for Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure)	This Uganda Standard describes the laboratory determination of water and sediment in crude oils by means of the centrifuge procedure. (This standard is an adoption of ASTM D4007-11 (Reapproved 2016) 1, Standard Test Method for Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure). This standard was published on 2022-02-04	25000	Voluntary
518	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2321:2022	Standard Practice for Aviation Fuel Sample Containers for Tests affected by Trace Contamination	This Uganda Standard covers the types of and preparation of containers found most suitable for the handling of aviation fuel samples for the determination of critical properties affected by trace contamination. (This standard is an adoption of ASTM D4306 20, Standard Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination). This standard was published on 2022-02-	15000	Voluntary

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519	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2330:2022	Mineral insulating oil used in electrical apparatus Specification	This Uganda Standard specifies requirements, sampling, and test methods for mineral insulating oil. This standard covers unused mineral-insulating oil of petroleum origin for use as an insulating and cooling medium in new and existing power and distribution electrical apparatus, such as transformers, regulators, reactors, circuit breakers, switchgear, and attendant equipment. This specification applies only to new insulating oil as received prior to any processing. This standard was published	20000	Compulsory

				on 2022-02-04		
520	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2331:2022	Test Method for Pour Point of Petroleum Products (Automatic Tilt Method)	This Uganda Standard covers the determination of the pour point of petroleum products by an automatic instrument that tilts the test jar during cooling and detects movement of the surface of the test specimen with an optical device. (This standard is an adoption of ASTM D5950 “ 14 (Reapproved 2020), Standard Test Method for Pour Point of Petroleum Products (Automatic Tilt Method). This standard was published	20000	Voluntary

				on 2022-02-04		
521	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2347:2022	Standard Guide for Sampling, Test Methods, and Specifications for Electrical Insulating Liquids	This Uganda Standard describes methods of testing and specifications for electrical insulating liquids intended for use in electrical cables, transformers, liquid circuit breakers, and other electrical apparatus where the liquids are used as insulating, or heat transfer media, or both. (This standard is an adoption of ASTM D117-22 Standard Guide for Sampling, Test Methods, and Specifications for Electrical Insulating Liquids This standard was published on 2022-	15000	Voluntary

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522	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2348:2022	Standard test Methods for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents	This Uganda Standard covers the determination of the aniline point of petroleum products and hydrocarbon solvents. Method A is suitable for transparent samples with an initial boiling point above room temperature and where the aniline point is below the bubble point and above the solidification point of the aniline-sample mixture. Method B, a thin-film method, is suitable for samples too dark for testing by Method A. Methods C and D are for samples that may vaporize appreciably at the aniline point. Method D is particularly suitable where only small quantities of samples are available. Method E describes a procedure using an automatic apparatus suitable for the range covered by Methods A and B. (This standard is an adoption of ASTM D611 a€‘ 12	15000	Voluntary
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				(Reapproved 2016), Standard Test Methods for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents). This standard was published on 2022-02-04		
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523	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2349:2022	Standard Practices for Sampling Electrical Insulating Liquids	This Uganda Standard covers sampling of new electrical insulating liquids including oils, askarels, silicones, synthetic liquids, and natural ester insulating liquids as well as those insulating liquids in service or subsequent to service in cables, transformers, circuit breakers, and other electrical apparatus. These practices apply to liquids having a viscosity of less than $6.476 \times 10^{-4} \text{ m}^2/\text{s}$ (540 cSt) at 40°C (104°F). (This standard is an adoption of ASTM D923 – 15, Standard Practices for Sampling Electrical Insulating Liquids). This standard was published on 2022-02-04	25000	Voluntary
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524	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2350:2022	Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids	This Uganda Standard describes testing of new electrical insulating liquids as well as liquids in service or subsequent to service in cables, transformers, oil circuit breakers, and other electrical apparatus. (This standard is an adoption of ASTM D924 “ 15, Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids). This standard was published on 2022-02-04	20000	Compulsory
525	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2351:2022	Standard Test Method for Interfacial Tension of Insulating Liquids Against Water by the Ring Method	This Uganda Standard covers the measurement of the interfacial tension between mineral oil and water, under non-equilibrium conditions. (This standard is an adoption of ASTM D971 “ 20, Standard Test Method for Interfacial Tension of Insulating Liquids Against Water by the Ring Method). This	15000	Voluntary

				standard was published on 2022-02-04		
526	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2352:2022	Standard Test Method for Acid and Base Number by Color-Indicator Titration	This Uganda Standard covers the determination of acidic or basic constituents (Note 1) in petroleum products and lubricants soluble or nearly soluble in mixtures of toluene and isopropyl alcohol. It is applicable for the determination of acids or bases whose dissociation constants in water are larger than 10^{-9} ; extremely weak acids or bases whose dissociation constants are smaller than 10^{-9} do not interfere. Salts react if their hydrolysis constants are larger than 10^{-9} . (This standard is an adoption of ASTM D974 “141µ2, Standard Test Method for Acid and Base Number by Color-	15000	Voluntary

				Indicator Titration). This standard was published on 2022-02-04		
527	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2353:2022	Standard Test Method for Corrosive Sulfur in Electrical Insulating Liquids	This Uganda Standard covers the detection of corrosive sulfur compounds in electrical insulating oils of petroleum origin. (This standard is an adoption of ASTM D1275-15, Standard Test Method for Corrosive Sulfur in Electrical Insulating Liquids). This standard was published on 2022-02-04	15000	Voluntary

528	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2354:2022	Standard Test Method for Visual Examination of Used Electrical Insulating Liquids in the Field	This Uganda Standard covers test method for visual examination is applicable to electrical insulating liquids that have been used in transformers, oil circuit breakers, or other electrical apparatus as insulating or cooling media, or both. (This standard is an adoption of ASTM D1524-15 Standard Test Method for Visual Examination of Used Electrical Insulating Liquids in the Field). This standard was published on 2022-02-04	10000	Voluntary
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529	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2355:2022	Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration	This Uganda Standard covers test method for the measurement of water present in insulating liquids by coulometric Karl Fischer titration. This test method is used commonly for test specimens below 100â€‰‰ relative saturation of water in oil. The coulometric test method is known for its high degree of sensitivity (typically 10 $\frac{1}{4}$ g H ₂ O). This test method requires the use of equipment specifically designed for coulometric titration. (This standard is an adoption of ASTM D1533-20 Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration). This standard was published on 2022-02-04	15000	Voluntary
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530	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2356:2022	Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes	This Uganda Standard covers the determination of the dielectric breakdown voltage of insulating liquids (oils of petroleum origin, silicone fluids, high fire-point mineral electrical insulating oils, synthetic ester fluids and natural ester fluids). This test method is applicable to insulating liquids commonly used in cables, transformers, oil circuit breakers, and similar apparatus as an insulating and cooling medium. This test method is applicable to insulating liquids commonly used in cables, transformers, oil circuit breakers, and similar apparatus as an insulating and cooling medium. (This standard is an adoption of ASTM D1816-12 (Reapproved 2019) Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes).	15000	Voluntary
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				This standard was published on 2022-02-04		
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531	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2358:2022	Standard Test Method for Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel	This Uganda Standard covers test method intended as a rapid method for the evaluation of the oxidation stability of new mineral insulating oils containing a synthetic oxidation inhibitor. This test is considered of value in checking the oxidation stability of new mineral insulating oils containing 2,6- ditertiary-butyl para- cresol or 2,6-ditertiary- butyl phenol, or both. (This standard is an adoption of ASTM D2112-15, Standard Test Method for Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel,). This standard was published on 2022-02-04	15000	Voluntary
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532	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2359:2022	Standard Test Method for Gassing of Electrical Insulating Liquids Under Electrical Stress and Ionization (Modified Pirelli Method)	This Uganda Standard measures the rate at which gas is evolved or absorbed by insulating liquids when subjected to electrical stress of sufficient intensity to cause ionization in cells having specific geometries. (This standard is an adoption of ASTM D2300-08 (Reapproved 2017) Standard Test Method for Gassing of Electrical Insulating Liquids Under Electrical Stress and Ionization (Modified Pirelli Method)). This standard was published on 2022-02-04	15000	Voluntary
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533	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2360:2022	Standard Test Method for Oxidation Stability of Mineral Insulating Oil	This Uganda Standard covers a test method for determining the resistance of mineral transformer oils to oxidation under prescribed accelerated aging conditions. Oxidation stability is measured by the propensity of oils to form sludge and acid products during oxidation. This test method is applicable to new oils, both uninhibited and inhibited, but is not well defined for used or reclaimed oils. (This standard is an adoption of ASTM D2440-13 Standard Test Method for Oxidation Stability of Mineral Insulating Oil). This standard was published on 2022-02-04	15000	Voluntary
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534	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2361:2022	Standard Test Method for 2,6-di-tert-Butyl- p-Cresol and 2,6- di-tert-Butyl Phenol in Electrical Insulating Oil by Infrared Absorption	This Uganda Standard covers the determination of the weight percent of 2,6-ditertiary-butyl paracresol and 2,6-ditertiary-butyl phenol in new or used electrical insulating oil in concentrations up to 0.5% by recording the infrared spectrum of the oil at certain specific bands. (This standard is an adoption of ASTM E177 “ 20, Standard Practice for Use of the Terms Precision and Bias in ASTM Test Methods). This standard was published on 2022-02-04	15000	Voluntary
535	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2362:2022	Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids under Impulse Conditions	This Uganda Standard covers the determination of the dielectric breakdown voltage of insulating liquids in a highly divergent field under impulse conditionsand has been found applicable to liquids of petroleum origin, natural and synthetic esters. (This standard is an adoption of ASTM	15000	Voluntary

				D3300-20, Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Under Impulse Conditions). This standard was published on 2022-02-04		
536	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2363:2022	Standard Test Method for Analysis of Polychlorinated Biphenyls in Insulating Liquids by Gas Chromatography	This Uganda Standard describes a quantitative determination of the concentration of polychlorinated biphenyls (PCBs) in electrical insulating liquids by gas chromatography. It also applies to the determination of PCB present in mixtures known as askarels, used as electrical insulating liquids. (This standard is an adoption of ASTM D4059-00 (Reapproved 2018) Standard Test Method for Analysis of Polychlorinated Biphenyls in Insulating Liquids by Gas Chromatography). This	20000	Voluntary

				standard was published on 2022-02-04		
537	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2364:2022	Standard Test Method for Analysis of 2,6-Ditertiary-Butyl Para-Cresol and 2,6-Ditertiary-Butyl Phenol in Insulating Liquids by Gas Chromatography	This Uganda Standard covers the determination by gas chromatography of 2,6-ditertiary-butyl para-cresol and 2,6-ditertiary-butyl phenol in new and used insulating liquids at concentrations up to 0.5 %. (This standard is an adoption of ASTM D4768-11 (Reapproved 2019) Standard Test Method for Analysis of 2,6-Ditertiary-Butyl Para-Cresol and 2,6-Ditertiary-Butyl Phenol in Insulating Liquids by Gas Chromatography). This standard was	15000	Voluntary

				published on 2022-02-04		
538	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2365:2022	Standard Test Method for Furanic Compounds in Electrical Insulating Liquids by High-Performance Liquid Chromatography (HPLC)	This Uganda Standard covers the determination in electrical insulating liquids of products of the degradation of cellulosic materials such as paper, pressboard, and cotton materials typically found as insulating materials in electrical equipment. (This standard is an adoption of ASTM D5837 “ 15, Standard Test Method for Furanic Compounds in Electrical Insulating Liquids by High-Performance Liquid Chromatography (HPLC)). This standard was published on 2022-	20000	Voluntary

				02-04		
539	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2378:2022	Standard Specification for Engine Coolant Grade Glycol	This Uganda Standard specifies requirements for commercial products, engine coolant grade ethylene glycol and propylene glycol, including virgin glycols and those derived from the recycling of vehicle engine coolants and industrial source glycols. (This standard is an adoption of ASTM E1177 “ 20, Standard Specification for Engine Coolant Grade Glycol). This standard was published on 2022-02- 04	10000	Compulsory

540	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2379:2022	Standard Specification for Glycol Base Engine Coolant for Automobile and Light-Duty Service	This Uganda Standard specifies requirements for ethylene glycol or propylene glycol base engine coolants used in automobiles or other light duty service cooling systems. When concentrates are used at 40 to 70 % concentration by volume in water, or when pre-diluted glycol base engine coolants 50 volume % or higher engine coolant concentrate are used without further dilution, they will function effectively to provide protection against freezing, boiling, and corrosion. (This standard is an adoption of ASTM D3306-20, Standard Specification for Glycol Base Engine Coolant for Automobile and Light- Duty Service). This standard was published on 2022-02-04	15000	Compulsory
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541	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2396:2022	Standard Specification for Fully-Formulated Glycol Base Engine Coolant for Heavy-Duty Engines	This Uganda Standard specifies requirements for fully formulated glycol base coolants for cooling systems of heavy duty engines. When concentrates are used at 40 to 60 % glycol concentration by volume in water of suitable quality, or when pre-diluted glycol base engine coolants (50 volume % minimum) are used without further dilution, they will function effectively during both winter and summer to provide protection against corrosion, cavitation, freezing, and boiling. (This standard is an adoption of ASTM D6210-17, Standard Specification for Fully- Formulated Glycol Base Engine Coolant for Heavy-Duty Engines). This standard was published on 2022-02- 04	10000	Compulsory
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542	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2399:2022	Standard Test Methods for Water in Engine Coolant Concentrate by the Karl Fischer Reagent Method	This Uganda Standard covers the determination of the water present in new or unused glycol-based coolant concentrates using a manual (Test Method A) or an automatic (Test Method B) coulometric titrator procedure. (This standard is an adoption of ASTM D1123-99 (Reapproved 2015) Standard Test Methods for Water in Engine Coolant Concentrate by the Karl Fischer Reagent Method). This standard was published on 2022-02-04	15000	Voluntary
543	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2400:2022	Standard Test Method for pH of Engine Coolants and Antirusts	This Uganda Standard covers the determination of the pH of unused engine coolants and antirusts and used or unused aqueous dilutions of the concentrated products. (This standard is an adoption of ASTM D1287-11 (Reapproved 2020) Standard Test Method for pH of Engine Coolants and Antirusts). This	15000	Voluntary

				standard was published on 2022-02-04		
544	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2401:2022	Standard Test Method for Trace Chloride Ion in Engine Coolants	This Uganda Standard covers the determination of chloride ion in engine coolants in the range from 5 to 200 ppm in the presence of up to 0.6 weight % mercaptobenzothiazole. (This standard is an adoption of ASTM D3634-99 (Reapproved 2015) Standard Test Method for Trace Chloride Ion in Engine Coolants). This standard was published on 2022-02-04	10000	Voluntary

545	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2402:2022	Standard Terminology for Engine Coolants and Related Fluids	This Uganda Standard covers terminology relating to engine coolants. It is intended to provide a reference for anyone seeking information on engine coolants, and also to provide a uniform set of definitions for use in preparing ASTM specifications, test methods and other standard documents. (This standard is an adoption of ASTM D4725-15 Standard Terminology for Engine Coolants and Related Fluids). This standard was published on 2022-02-04	10000	Voluntary
546	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2403:2022	Standard Test Method for Analysis of Engine Coolant for Chloride and Other Anions by Ion Chromatography	This Uganda Standard covers the chemical analysis of engine coolant for chloride ion by high-performance ion chromatography (HPIC). Several other common anions found in engine coolant can be determined in one chromatographic analysis by this test method. (This standard is an adoption of ASTM	15000	Voluntary

				D5827-09 (Reapproved 2015) Standard Test Method for Analysis of Engine Coolant for Chloride and Other Anions by Ion Chromatography). This standard was published on 2022-02-04		
547	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2404:2022	Standard Test Method for Density and Relative Density of Engine Coolant Concentrates and Aqueous Engine Coolants by Digital Density Meter	This Uganda Standard covers the determination of the density or relative density of glycols, glycerin, heat transfer fluids, engine coolant concentrates, and aqueous engine coolants. (This standard is an adoption of ASTM D5931-20 Standard Test Method for Density and Relative Density of Engine Coolant Concentrates and Aqueous Engine Coolants by Digital Density Meter). This standard was published on 2022-02-04	15000	Voluntary

548	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2405:2022	Standard Test Method for Determination of Silicon and Other Elements in Engine Coolant by Inductively Coupled Plasma-Atomic Emission Spectroscopy	This Uganda Standard covers the determination of silicon in engine coolant by inductively coupled plasma-atomic emission spectroscopy (ICP- AES). Silicon can be determined as low as the range of 5 ppm by this test method. Other elements also found in engine coolant can be determined by this method. This test method is applicable to the determination of dissolved or dispersed elements. (This standard is an adoption of ASTM D6130-11 (Reapproved 2018), Standard Test Method for Determination of Silicon and Other Elements in Engine Coolant by Inductively Coupled Plasma- Atomic Emission Spectroscopy). This standard was published on 2022-02-04	15000	Voluntary
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549	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2406:2022	Standard Test Method for Determination of Acids and Glycol Esters in Glycols	This Uganda Standard covers the determination of free acids and glycol esters in ethylene glycol by titration. (This standard is an adoption of ASTM D7736-19a, Standard Test Method for Determination of Acids and Glycol Esters in Glycols). This standard was published on 2022-02-04	15000	Voluntary
550	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2407:2022	Standard Test Methods for Analysis of Ethylene Glycols and Propylene Glycols	This Uganda Standard covers the chemical and physical analysis of the commonly available grades of ethylene glycol, diethylene glycol, triethylene glycol, propylene glycol, and dipropylene glycol. (This standard is an adoption of ASTM E202-18, Standard Test Methods for Analysis of Ethylene Glycols and Propylene Glycols). This standard was published on 2022-02-04	30000	Voluntary

551	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2408:2022	Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)	This Uganda Standard describes a procedure for the visual measurement of the color of essentially light colored liquids (Note 1). It is applicable only to materials in which the color-producing bodies present have light absorption characteristics nearly identical with those of the platinum-cobalt color standards used.. (This standard is an adoption of ASTM D1209-05 (Reapproved 2019), Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)). This standard was published on 2022-02-04	15000	Voluntary
552	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2409:2022	Standard Test Method for Iron in Trace Quantities Using the 1,10-Phenanthroline Method	This Uganda Standard covers the determination of iron in the range from 1 to 100 μg . (This standard is an adoption of ASTM E394-15, Standard Test Method for Iron in Trace Quantities Using the 1,10-Phenanthroline Method). This standard	15000	Voluntary

				was published on 2022-02-04		
553	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2410:2022	Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products	This Uganda Standard covers the determination of total acidity as acetic acid, in concentrations below 0.05 %, in organic compounds and hydrocarbon mixtures used in paint, varnish, and lacquer solvents and diluents. (This standard is an adoption of D1613-17, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products). This standard was published on 2022-02-04	10000	Voluntary

554	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2412:2022	Standard Test Method for Sulfate Ion in Water	This Uganda Standard covers the determination of sulfate in water in the range from 5 to 40 mg/L of sulfate ion (SO_4^{2-}). (This standard is an adoption of ASTM D516-16, Standard Test Method for Sulfate Ion in Water). This standard was published on 2022-02-04	15000	Voluntary
555	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2413:2022	Standard Test Method for Percent Ash Content of Engine Coolants	This Uganda Standard covers the determination of ash content after ignition of commercial engine coolants and antirusts, as packaged or after use. (This standard is an adoption of ASTM D1119-05 (Reapproved 2015), Standard Test Method for Percent Ash Content of Engine Coolants). This standard was published on 2022-02-04	10000	Voluntary

556	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2414:2022	Standard Test Method for Boiling Point of Engine Coolants	This Uganda Standard covers the determination of the equilibrium boiling point of engine coolants. The equilibrium boiling point indicates the temperature at which the sample will start to boil in a cooling system under equilibrium conditions at atmospheric pressure. (This standard is an adoption of ASTM D1120-17, Standard Test Method for Boiling Point of Engine Coolants). This standard was published on 2022-02-04	10000	Voluntary
557	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2415:2022	Standard Test Method for Reserve Alkalinity of Engine Coolants and Antirusts	This Uganda Standard covers the determination of the reserve alkalinity of new, unused engine coolants, and liquid antirusts as received, of used or unused aqueous dilutions of the concentrated materials, and of aqueous dilutions of solid antirusts. (This standard is an adoption	15000	Voluntary

				of ASTM D1121-11 (Reapproved 2020), Standard Test Method for Reserve Alkalinity of Engine Coolants and Antirusts). This standard was published on 2022-02-04		
558	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2416:2022	Standard Test Method for Hardness in Water	This Uganda Standard covers the determination of hardness in water by titration. This test method is applicable to waters that are clear in appearance and free of chemicals that will complex calcium or magnesium. (This standard is an adoption of ASTM D1126-17, Standard Test Method for Hardness in Water). This standard was published on 2022-02-04	15000	Voluntary

559	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2417:2022	Standard Test Method for Freezing Point of Aqueous Engine Coolants	This Uganda Standard covers the determination of the freezing point of an aqueous engine coolant solution in the laboratory. (This standard is an adoption of ASTM D1177-17, Standard Test Method for Freezing Point of Aqueous Engine Coolants). This standard was published on 2022-02-04	10000	Compulsory
560	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2418:2022	Standard Test Methods for pH of Water	This Uganda Standard covers the determination of pH by electrometric measurement using the glass electrode as the sensor. (This standard is an adoption of ASTM D1293-18, Standard Test Methods for pH of Water). This standard was published on 2022-02-04	20000	Voluntary

561	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2419:2022	Standard Test Method for Corrosion Test for Engine Coolants in Glassware	This Uganda Standard covers a simple beaker-type procedure for evaluating the effects of engine coolants on metal specimens under controlled laboratory conditions. (This standard is an adoption of ASTM D1384-05 (Reapproved 2019), Standard Test Method for Corrosion Test for Engine Coolants in Glassware). This standard was published on 2022-02-04	20000	Voluntary
562	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2420:2022	Standard Test Method for Foaming Tendencies of Engine Coolants in Glassware	This Uganda Standard covers a simple glassware test for evaluating the tendency of engine coolants to foam under laboratory-controlled-conditions of aeration and temperature. (This standard is an adoption of ASTM D1881-17 Standard Test Method for Foaming Tendencies of Engine Coolants in Glassware). This standard was published on 2022-02-04	15000	Voluntary

563	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2421:2022	Standard Test Method for Effect of Cooling System Chemical Solutions on Organic Finishes for Automotive Vehicles	This Uganda Standard determines the effect of cooling system chemical solutions on organic finishes used on motor vehicles. Cooling system chemicals include: coolants or corrosion inhibitors, or both, cooling system cleaners or flushes, or both, and stop leak additives. (This standard is an adoption of ASTM D1882-17 Standard Test Method for Effect of Cooling System Chemical Solutions on Organic Finishes for Automotive Vehicles). This standard was published on 2022-02-04	10000	Voluntary
564	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2422:2022	Standard Test Method for Cavitation Corrosion and Erosion-Corrosion Characteristics of Aluminum Pumps With Engine Coolants	This Uganda Standard covers the evaluation of the cavitation corrosion and erosion-corrosion characteristics of aluminum automotive water pumps with coolants. (This standard is an adoption of ASTM D2809-09 (Reapproved 2017) Standard Test Method for Cavitation	15000	Voluntary

				Corrosion and Erosion-Corrosion Characteristics of Aluminum Pumps With Engine Coolants). This standard was published on 2022-02-04		
565	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2423:2022	Standard Test Method for Use of the Refractometer for Field Test Determination of the Freezing Point of Aqueous Engine Coolants	This Uganda Standard covers the use of a portable refractometer for determining the approximate freezing protection provided by ethylene and propylene glycol-based coolant solutions as used in engine cooling systems and special applications. (This standard is an adoption of ASTM D3321-19 Standard Test Method for Use of the Refractometer for Field Test Determination of the Freezing Point of Aqueous Engine Coolants). This standard was published on 2022-02-04	15000	Voluntary

566	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2424:2022	Standard Test Method for Anions in Water by Suppressed Ion Chromatography	This Uganda Standard covers the sequential determination of fluoride, chloride, nitrite, ortho - phosphate, bromide, nitrate, and sulfate ions in water by chemically suppressed ion chromatography. (This standard is an adoption of ASTM D4327-17 Standard Test Method for Anions in Water by Suppressed Ion Chromatography). This standard was published on 2022-02-04	30000	Voluntary
567	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2425:2022	Standard Test Method for Corrosion of Cast Aluminum Alloys in Engine Coolants Under Heat-Rejecting Conditions	This Uganda Standard covers a laboratory screening procedure for evaluating the effectiveness of engine coolants in combating corrosion of aluminum casting alloys under heat-transfer conditions that may be present in aluminum cylinder head engines. (This standard is an adoption of ASTM D4340-19 Standard Test Method for Corrosion of Cast Aluminum Alloys in Engine Coolants Under	15000	Voluntary

				Heat-Rejecting Conditions). This standard was published on 2022-02-04		
568	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2426:2022	Standard Specification for Low Silicate Ethylene Glycol Base Engine Coolant for Heavy Duty Engines Requiring a Pre-Charge of Supplemental Coolant Additive (SCA)	This Uganda Standard covers the requirements for low silicate ethylene glycol base engine coolants for cooling systems of heavy-duty engines. (This standard is an adoption of ASTM D4985-10 (Reapproved 2015) Standard Specification for Low Silicate Ethylene Glycol Base Engine Coolant for Heavy Duty Engines Requiring a Pre-Charge of Supplemental Coolant Additive (SCA)). This standard was published on 2022-02-04	15000	Voluntary

569	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2427:2022	Standard Test Method for Freezing Point of Aqueous Ethylene Glycol Base Engine Coolants by Automatic Phase Transition Method	This Uganda Standard covers the determination of the freezing point of an aqueous engine coolant solution. (This standard is an adoption of ASTM D6660-01 (Reapproved 2019) Standard Test Method for Freezing Point of Aqueous Ethylene Glycol Base Engine Coolants by Automatic Phase Transition Method). This standard was published on 2022-02-04	15000	Voluntary
570	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2429:2022	Standard Test Method for Compatibility of Supplemental Coolant Additives (SCAs) and Engine Coolant Concentrates	This Uganda Standard covers the determination of the compatibility of commercial SCA and commercial ethylene and propylene glycol engine coolant concentrates. This test method focuses on the solubility of specific chemical species formed in the engine coolant. (This standard is an adoption of ASTM D5828-97 (Reapproved 2019) Standard Test Method for	15000	Voluntary

				Compatibility of Supplemental Coolant Additives (SCAs) and Engine Coolant Concentrates). This standard was published on 2022-02-04		
571	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2430:2022	Standard Test Method for John Deere Coolant Cavitation Test	This Uganda Standard defines a heavy-duty diesel engine to evaluate coolant protection as related to cylinder liner pitting caused by cavitation. (This standard is an adoption of ASTM D7583-16 Standard Test Method for John Deere Coolant Cavitation Test).This standard was published on 2022-02-04	40000	Voluntary

572	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2432:2022	Standard Test Method for Density or Relative Density of Engine Coolant Concentrates and Engine Coolants By The Hydrometer	This Uganda Standard covers the determination of the density or relative density of glycols, glycerin, heat transfer fluids engine coolant concentrates and engine coolants. (This standard is an adoption of ASTM D1122-20, Standard Test Method for Density or Relative Density of Engine Coolant Concentrates and Engine Coolants by the Hydrometer). This standard was published on 2022-02-04	10000	Voluntary
573	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7010:2019	Graphical symbols - Safety colours and safety signs - Registered safety signs	This Uganda Standard prescribes safety signs for the purposes of accident prevention, fire protection, health hazard information and emergency evacuation. The shape and colour of each safety sign are according to ISO 3864-1 and the design of the graphical symbols is according to ISO 3864-3. This document specifies the safety sign originals that can be scaled for reproduction	110000	Voluntary

				and application purposes (This standard will cancel and replace, upon publication of the Legal Notice, the first edition, US ISO 7010:2011).. This standard was published on 2022-12-13		
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574	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7730:2005	Ergonomics of the thermal environment - Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria	This Uganda Standard presents methods for predicting the general thermal sensation and degree of discomfort (thermal dissatisfaction) of people exposed to moderate thermal environments. It enables the analytical determination and interpretation of thermal comfort using calculation of PMV (predicted mean vote) and PPD (predicted percentage of dissatisfied) and local thermal comfort criteria, giving the environmental conditions considered acceptable for general thermal comfort as well as those representing local discomfort. It is applicable to healthy men and women exposed to indoor environments where thermal comfort is desirable, but where moderate deviations from thermal comfort occur, in the design of new environments or	70000	Voluntary
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				the assessment of existing ones. This standard was published on 2022-12-13		
575	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7752-1:2010	Cranes - Control layout and characteristics - Part 1: General principles	This Uganda Standard establishes principles and requirements for the controls of cranes. It deals with the arrangement of those controls used in positioning loads and serves as a general basis for the elaboration of detailed standards	25000	Voluntary

				covering the controls of particular types of cranes. This standard was published on 2022-12-13		
576	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7752-2:2011	Cranes - Control layout and characteristics - Part 2: Basic arrangement and requirements for mobile cranes	This Uganda Standard establishes the arrangement, requirements and direction of movement of the basic controls for slewing, load hoisting and lowering, and boom luffing and telescoping, on mobile cranes as defined in ISO 4306-2. It deals with bi-directional controls and the basic arrangement and requirements for cross-shift levers (multi-directional controls). It is intended to be used in conjunction with ISO 7752-1. This standard was published on 2022-12-13	20000	Voluntary

577	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7752-3:2013	Cranes - Control layout and characteristics - Part 3: Tower cranes	This Uganda Standard specifies the particular requirements for controls for tower cranes as defined in ISO 4306-3:2003 and ISO 4306-3:2003/Amd. 1:2011 and the arrangement of basic control used for positioning loads. This standard was published on 2022-12-13	20000	Voluntary
578	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7752-4:1989	Cranes - Controls - Layout and characteristics - Part 4: Jib cranes	This Uganda Standard establishes the arrangement, requirements and direction of movement of the basic controls for travelling, slewing, lifting, hoisting and lowering operations for jib cranes defined in ISO 4306-1 as jib-type cranes, other than tower cranes, mobile cranes and railway cranes. This standard was published on 2022-12-13	20000	Voluntary

579	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7752-5:2021	Cranes - Control layout and characteristics - Part 5: Bridge and gantry cranes	This Uganda Standard establishes the arrangement, requirements and direction of movement of the basic controls for travelling, traversing, slewing, cab movement and load hoisting and lowering operations for all cab-operated, overhead travelling cranes and portal bridge cranes, as defined in ISO 4306-1 and ISO 4306-5. This standard was published on 2022-12-13	25000	Voluntary
580	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 8566-1:2010	Cranes - Cabins and control stations - Part 1: General	This Uganda Standard specifies the general requirements for cabins and control stations from which cranes, as defined in ISO 4306-1, are operated. It takes the conditions of use of the cabin into consideration. This standard was published on 2022-12-13	20000	Voluntary

581	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 8566-2:2016	Cranes - Cabins and control stations - Part 2: Mobile cranes	This Uganda Standard establishes the criteria for cabins for mobile cranes as defined in ISO 4306-2. These criteria are intended to cover cabins only for crane operation and not for road travel. The general criteria for cabins on mobile cranes are presented in ISO 8566-1. This standard was published on 2022-12-13	20000	Voluntary
582	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 8566-3:2010	Cranes - Cabins and control stations - Part 3: Tower cranes	This Uganda Standard specifies the requirements for cabins and control stations for tower cranes as defined in ISO 4306-3. It is intended to be used in conjunction with ISO 8566-1. This standard was published on 2022-12-13	20000	Voluntary
583	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 8566-4:1998	Cranes - Cabins - Part 4: Jib cranes	This Uganda Standard specifies the requirements for cabins for jib cranes as defined in ISO 4306-1. This standard was published on 2022-12-13	20000	Voluntary

584	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 8566-5:2017	Cranes - Cabins and control stations - Part 5: Overhead travelling and portal bridge cranes	This Uganda Standard establishes the requirements for cabins and control stations for overhead travelling and portal bridge cranes as defined in ISO 4306-1. It takes the conditions of use of the cabin into consideration. This standard was published on 2022-12-13	20000	Voluntary
585	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 11014:2009	Safety data sheet for chemical products - Content and order of sections	This Uganda Standard defines sections, content, and general format of the safety data sheet (SDS) for chemical products. This standard does not define a fixed format, nor does it include a blank SDS.. This standard was published on 2022-12-13	25000	Voluntary
586	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 18878:2013	Mobile elevating work platforms - Operator (driver) training	This Uganda Standard provides methods for preparing training materials and administering standardized training to operators (drivers) of mobile elevating work platforms (MEWPs). It is applicable to MEWPs, as defined in ISO 16368, intended to	25000	Voluntary

				move persons, tools and materials to positions where they can carry out work from the work platform. This standard was published on 2022-12-13		
587	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 20305:2020	Mine closure and reclamation - Vocabulary	This Uganda Standard establishes a vocabulary for mine closure and reclamation management.. This standard was published on 2022-12-13	20000	Voluntary
588	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 20381:2009	Mobile elevating work platforms - Symbols for operator controls and other displays	This Uganda Standard establishes general graphic symbols for the operator controls and other displays of mobile elevating work platforms (MEWPs).. This standard was published on 2022-12-13	80000	Voluntary

589	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 21795-1:2021	Mine closure and reclamation planning - Part 1: Requirements	This Uganda Standard specifies a framework and the processes involved in mine closure and reclamation planning for new and operating mines. Requirements and recommendations are provided on: mine closure and reclamation plan objectives and commitments; technical procedures and techniques; mitigation of socio-economic impacts; financial assurance and associated planning; mine closure and reclamation planning for unplanned closure; post-closure management plan; and mine closure and reclamation plan documentation. . This standard was published on 2022-12-13	30000	Voluntary
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590	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 21795-2:2021	Mine closure and reclamation planning - Part 2: Guidance	This Uganda Standard provides guidance related to the necessary mine closure and reclamation planning activities for new and operating mines. Recommendations are provided on: closure and reclamation of a mine site; land reclamation and water management; stakeholder engagement; decision and analysis tools . This standard was published on 2022-12-13	85000	Voluntary
591	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 3871:2000	Road vehicles - Labelling of containers for petroleum-based or non-petroleum-based brake fluid	This Uganda Standard specifies the minimum labelling required for commercial containers of petroleum- and non-petroleum-based fluids used in the braking and hydraulic systems of road vehicles, including mopeds and motorcycles. This standard was published on 2022-12-13	20000	Voluntary

592	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4925:2020	Road vehicles - Specification of non-petroleum-based brake fluids for hydraulic systems	This Uganda Standard provides the specifications, requirements and test methods, for non-petroleum-based fluids used in road-vehicle hydraulic brake and clutch systems that are designed for use with such fluids and equipped with seals, cups or double-lipped type gland seals made of styrene-butadiene rubber (SBR) and ethylene-propylene elastomer (EPDM). (This standard will cancel and replace, upon publication of the Legal Notice, US ISO 4925:2005, Road vehicles - Specification of non-petroleum-base brake Fluids for hydraulic systems (First Edition). This standard was published on 2022-12-13	40000	Voluntary
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593	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 6743-2:1981	Lubricants, industrial oils, and related products (class L) -- Classification -- Part 2: Family F (Spindle bearings, bearings, and associated clutches)	This Uganda Standard establishes the detailed classification of family F (Spindle bearings, bearings and associated clutches) which belongs to the class L (Lubricants, industrial oils and related products. This standard was published on 2022-12-13	10000	Voluntary
594	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 7308:1987	Road vehicles - Petroleum-based brake-fluid for stored-energy hydraulic brakes	This Uganda Standard lays down the characteristics and test methods for petroleum-based brake fluids used in the hydraulic brake systems of road vehicles. This standard was published on 2022-12-13	35000	Voluntary
595	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 9128:2006	Road vehicles - Graphical symbols to designate brake fluid types	This Uganda Standard specifies the graphical symbols and colours used to identify, on road vehicles, the correct type of fluid to be used for: a) petroleum-based brake fluid systems; b) non-petroleum-based brake fluid systems This standard was published on 2022-12-13	20000	Voluntary

596	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2377:2022	Standard Guide for Characterizing Hydrocarbon Lubricant Base Oils	This Uganda Standard provides a guide for physical, chemical, and toxicological test methods for characterizing hydrocarbon lubricant base oils derived from various refining processes including re-refining used oils and refining crude oil. (This standard is based on ASTM D6074 15, Standard Guide for Characterizing Hydrocarbon Lubricant Base Oils). This standard was published on 2022-12-13	20000	Voluntary
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597	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2483:2022	Standard Specification for Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) Used as a Motor Vehicle Fuel	This Uganda Standard defines the minimum fuel quality requirements for gaseous fuels consisting primarily of methane when used as an internal combustion engine fuel. This specification defines the criteria for compressed natural gas (CNG), liquefied natural gas (LNG), or biogas when used as a fuel for internal combustion engines in motor vehicles. (This standard is based on ASTM D8080-21, Standard Specification for Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) Used as a Motor Vehicle Fuel). This standard was published on 2022-12-13	20000	Voluntary
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598	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2485:2022	Standard Practice for Preservation of Waterborne Oil Samples	This Uganda Standard covers the preservation of waterborne oil samples from the time of collection to the time of analysis. Information is provided to ensure sample integrity and to avoid contamination and to minimize microbial degradation. (This standard is based on ASTM D3325-90?(Reapproved 2020), Standard Practice for Preservation of Waterborne Oil Samples).. This standard was published on 2022-12-13	10000	Voluntary
599	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2521:2022	Standard Test Method for Measurement of Volatile Silicon-Containing Compounds in a Gaseous Fuel Sample Using Gas Chromatography with Spectroscopic Detection	This Uganda Standard covers test method primarily for gas-phase siloxane compounds present in biogas and other gaseous fuel samples at ppmv and high ppbv concentrations. It may also be applicable to low ppbv concentrations under certain circumstances. (This standard is based on ASTM D8230-19, Standard Test Method	20000	Voluntary

				for Measurement of Volatile Silicon-Containing Compounds in a Gaseous Fuel Sample Using Gas Chromatography with Spectroscopic Detection).. This standard was published on 2022-12-13		
600	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2522:2022	Standard Practice for Determining the Calculated Methane Number (MNC) of Gaseous Fuels Used in Internal Combustion Engines	This Uganda Standard covers the method to determine the calculated methane number (MNC) of a gaseous fuel used in internal combustion engines. The basis for the method is a dynamic link library (DLL) suitable for running on computers with Microsoft Windows operating systems. (This standard is based on ASTM D8221-18a-1, Standard Practice for Determining the Calculated Methane Number (MNC) of	25000	Voluntary

				Gaseous Fuels Used in Internal Combustion Engines).. This standard was published on 2022-12-13		
601	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2523:2022	Standard Test Method for Determination of Water Vapor (Moisture Concentration) in Natural Gas by Tunable Diode Laser Spectroscopy (TDLAS	This Uganda Standard covers test method for online determination of vapor phase moisture concentration in natural gas using a tunable diode laser absorption spectroscopy (TDLAS) analyzer also known as a TDL analyzer. The particular wavelength for moisture measurement varies by manufacturer; typically between 1000 and 10?000?nm with an individual laser having a tunable range of less than 10?nm. (This standard is based on ASTM D7904-21,	20000	Voluntary

				Standard Test Method for Determination of Water Vapor (Moisture Concentration) in Natural Gas by Tunable Diode Laser Spectroscopy (TDLAS)). This standard was published on 2022-12-13		
602	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2524:2022	Standard Test Method for Determination of Hydrocarbons and Non-Hydrocarbon Gases in Gaseous Mixtures by Gas Chromatography	This Uganda Standard covers a test method to quantitatively determine the non-condensed hydrocarbon gases with carbon numbers from C1 to C5+ and non-hydrocarbon gases, such as H ₂ , CO ₂ , O ₂ , N ₂ , and CO, in gaseous samples. (This standard is based on ASTM D7833-20, Standard Test Method for Determination of Hydrocarbons and	20000	Voluntary

				Non-Hydrocarbon Gases in Gaseous Mixtures by Gas Chromatography). This standard was published on 2022-12-13		
603	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2525:2022	Standard Test Method for Gravimetric Measurement of Particulate Concentration of Hydrogen Fuel	This Uganda Standard covers test method primarily intended for gravimetric determination of particulate concentration in hydrogen intended as a fuel for fuel cell or internal combustion engine powered vehicles. (This standard is based on ASTM D7651-17, Standard Test Method for Gravimetric Measurement of Particulate Concentration of Hydrogen Fuel). This standard was published on 2022-12-13	10000	Voluntary

604	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2526:2022	Standard Test Method for Analysis of Oxygen in Gaseous Fuels (Electrochemical Sensor Method)	This Uganda Standard covers a test method for the determination of oxygen (O ₂) in gaseous fuels and fuel type gases. It is applicable to the measurement of oxygen in natural gas and other gaseous fuels. (This standard is based on ASTM D7607/D7607M-19, Standard Test Method for Analysis of Oxygen in Gaseous Fuels (Electrochemical Sensor Method)). This standard was published on 2022-12-13	15000	Voluntary
605	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2527:2022	Standard Test Method for Determination of Total Volatile Sulfur in Gaseous Hydrocarbons and Liquefied Petroleum Gases and Natural Gas by Ultraviolet Fluorescence	This Uganda Standard covers a test method for the determination of total volatile sulfur in gaseous hydrocarbons, Liquefied Petroleum Gases (LPG) and Liquefied Natural Gas (LNG). (This standard is based on ASTM D7551-10 (Reapproved 2015), Standard Test Method for Determination of Total Volatile Sulfur in Gaseous Hydrocarbons and Liquefied	20000	Voluntary

				Petroleum Gases and Natural Gas by Ultraviolet Fluorescence),. This standard was published on 2022-12-13		
606	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2528:2022	Standard Practice for Gas Chromatograph Based On-line/At-line Analysis for Sulfur Content of Gaseous Fuels	This Uganda Standard covers test method for on-line measurement of volatile sulfur-containing compounds in high methane content gaseous fuels such as natural gas using on-line/at-line instrumentation, and continuous fuel monitors (CFMS). It has been successfully applied to other types of gaseous samples including air, digester, landfill, and refinery fuel gas. (This standard is based on ASTM D7165-10 (Reapproved 2015), Standard Practice for Gas Chromatograph Based On-line/At-line	15000	Voluntary

				Analysis for Sulfur Content of Gaseous Fuels). This standard was published on 2022-12-13		
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607	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2529:2022	Standard Test Method for Simultaneous Measurement of Sulfur Compounds and Minor Hydrocarbons in Natural Gas and Gaseous Fuels by Gas Chromatography and Atomic Emission Detection	This Uganda Standard covers a test method for the determination of volatile sulfur- containing compounds and minor hydrocarbons in gaseous fuels including components with higher molar mass than that of propane in a high methane gas, by gas chromatography (GC) and atomic emission detection (AED). Hydrocarbons include individual aliphatic components from C4 to C6, aromatic components and groups of hydrocarbons classified according to carbon numbers up to C12 at least, such as C6- C7, C7-C8, C8-C9 and C9-C10, etc. The detection range for sulfur and carbon containing compounds is approximately 20 to 100?000 picograms (pg). (This standard, is based on ASTM D6968 03 (Reapproved 2015), Standard Test Method for Simultaneous	20000	Voluntary
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				Measurement of Sulfur Compounds and Minor Hydrocarbons in Natural Gas and Gaseous Fuels by Gas Chromatography and Atomic Emission Detection). This standard was published on 2022-12-13		
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608	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2530:2022	Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection	This Uganda Standard covers a test method for the determination of individual volatile sulfur-containing compounds in gaseous fuels by gas chromatography (GC) with a flame photometric detector (FPD) or a pulsed flame photometric detector (PFPD). (This standard is based on ASTM D6228-19, Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection). This standard was published on 2022-12-13	20000	Voluntary
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609	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2531:2022	Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence	This Uganda Standard covers a test method primarily for the determination of speciated volatile sulfur-containing compounds in high methane content gaseous fuels such as natural gas. It has been successfully applied to other types of gaseous samples, including air, digester, landfill, and refinery fuel gas. (This standard is based on ASTM D5504-20, Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence). This standard was published on 2022-12- 13	30000	Voluntary
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610	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2532:2022	Standard Test Method for Water Vapor Content of Gaseous Fuels Using Electronic Moisture Analyzers	This Uganda Standard covers a test method the determination of the water vapor content of gaseous fuels by the use of electronic moisture analyzers. Such analyzers commonly use sensing cells based on phosphorus pentoxide, P ₂ O ₅ , aluminum oxide, Al ₂ O ₃ , or silicon sensors piezoelectric- type cells and laser based technologies. (This standard is based on ASTM D5454, Standard Test Method for Water Vapor Content of Gaseous Fuels Using Electronic Moisture Analyzers).. This standard was published on 2022-12- 13	10000	Voluntary
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611	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2533:2022	Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Rateometric Colorimetry	This Uganda Standard covers test method for the determination of sulfur gaseous fuels in the range from 0.001 to 20 parts per million by volume (ppm/v). (This standard is based on ASTM D4468 85 (Reapproved 2015), Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Rateometric Colorimetry). This standard was published on 2022-12-13	20000	Voluntary
612	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2534: 2022	Standard Terminology Relating to Gaseous Fuels	This Uganda Standard defines the terms used in standards that are the responsibility of Committee D-3 on Gaseous Fuels. These terms are used in: the sampling of gaseous fuels, the analysis of gaseous fuels for composition and various other physical properties, and Other practices related to the processing, transmission, and distribution of gaseous fuels. (This standard is	20000	Voluntary

				based on ASTM D4150-21b, Standard Terminology Relating to Gaseous Fuels). This standard was published on 2022-12-13		
613	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2535:2022	Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels	This Uganda Standard covers procedures for calculating heating value, relative density, and compressibility factor at base conditions (14.696 psia and 60 F (15.6 C)) for natural gas mixtures from compositional analysis. It applies to all common types of utility gaseous fuels, for example, dry natural gas, reformed gas, oil gas (both high and low Btu), propane-air, carbureted water gas, coke oven gas, and retort coal gas, for which suitable methods of analysis as described in Section 6 are	20000	Voluntary

				<p>available. (This standard is based on ASTM D3588 98 (Reapproved 2017), Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels). This standard was published on 2022-12-13</p>		
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614	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2536:2022	Standard Test Method for Analysis of Natural Gas by Gas Chromatography	This Uganda Standard covers a test method for the determination of the chemical composition of natural gases and similar gaseous mixtures within the range of composition shown in Table 1. This test method may be abbreviated for the analysis of lean natural gases containing negligible amounts of hexanes and higher hydrocarbons, or for the determination of one or more components, as required. (This standard is based on ASTM D1945 14 (Reapproved 2019), Standard Test Method for Analysis of Natural Gas by Gas Chromatography).. This standard was published on 2022-12-13	20000	Voluntary
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615	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2537:2022	Standard Test Method for Water Vapor Content of Gaseous Fuels by Measurement of Dew- Point Temperature	This Uganda Standard covers a test method for the determination of the water vapor content of gaseous fuels by measurement of the dew-point temperature and the calculation therefrom of the water vapor content. (This standard is based on ASTM D1142-95 (Reapproved 2021), Standard Test Method for Water Vapor Content of Gaseous Fuels by Measurement of Dew-Point Temperature). This standard was published on 2022-12-13	30000	Voluntary
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616	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2566:2022	Standard Test Method for Online Measurement of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatograph and Electrochemical Detection	This Uganda Standard covers a test method for on-line measurement of volatile sulfur- containing compounds in gaseous fuels by gas chromatography (GC) and electrochemical (EC) detection. This test method is applicable to hydrogen sulfide, C1 to C4 mercaptans, sulfides and tetrahydrothiophene (THT). (This standard is based on ASTM D7493- 14 (Reapproved 2018), Standard Test Method for Online Measurement of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatograph and Electrochemical Detection). This standard was published on 2022-12-13	20000	Voluntary
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617	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4266- 1:2002	Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 1: Measurement of level in atmospheric tanks	This Uganda Standard gives guidance on the accuracy, installation, commissioning, calibration and verification of automatic level gauges (ALGs), of both intrusive and non- intrusive types, for measuring the level of petroleum and petroleum products having a Reid vapour pressure less than 100 kPa, stored in atmospheric storage tanks. This part of ISO 4266 is not applicable to the measurement of level in refrigerated storage tanks with ALG equipment. This standard was published on 2022-12-13	30000	Voluntary
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618	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4266-2:2002	Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 2: Measurement of level in marine vessels	This Uganda Standard gives guidance on the accuracy, installation, calibration and verification of automatic level gauges (ALGs), both intrusive and non-intrusive, for measuring the level of petroleum and liquid petroleum products having a Reid vapour pressure less than 100 kPa, transported aboard marine vessels (i.e. tankers and barges). This part of ISO 4266 gives guidance for buyers and sellers who mutually agree to use marine ALGs for either fiscal and/or custody transfer applications. This part of ISO 4266 is not applicable to the measurement of level in refrigerated cargo tanks. This standard was published on 2022-12-13	25000	Voluntary
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619	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4266-3:2002	Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 3: Measurement of level in pressurized storage tanks (non-refrigerated)	This Uganda Standard gives guidance on the accuracy, installation, commissioning, calibration and verification of automatic level gauges (ALGs) both intrusive and non-intrusive, for measuring the level of petroleum and petroleum products having a vapour pressure less than 4 MPa, stored in pressurized storage tanks. This part of ISO 4266 gives guidance on the use of ALGs in custody transfer application. This part of ISO 4266 is not applicable to the measurement of level in caverns and refrigerated storage tanks with ALG equipment.. This standard was published on 2022-12-13	25000	Voluntary
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620	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4266- 4:2002	Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 4: Measurement of temperature in atmospheric tanks	This Uganda Standard gives guidance on the selection, accuracy, installation, commissioning, calibration and verification of automatic tank thermometers (ATTs) in fiscal/custody transfer applications in which the ATT is used for measuring the temperature of petroleum and liquid petroleum products having a Reid vapour pressure less than 100 kPa, stored in atmospheric storage tanks. This part of ISO 4266 is not applicable to the measurement of temperature in caverns or in refrigerated storage tanks. This standard was published on 2022-12-13	25000	Voluntary
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621	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4266- 5:2002	Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 5: Measurement of temperature in marine vessels	This part of ISO 4266 gives guidance on the selection, accuracy, installation, commissioning, calibration and verification of automatic tank thermometers (ATTs) in fiscal/custody transfer applications in which the ATT is used for measuring the temperature of petroleum and liquid petroleum products having a Reid vapour pressure less than 100 kPa, stored in cargo tanks on board marine vessels. This part of ISO 4266 is not applicable to the measurement of temperature in refrigerated storage tanks, or pressurized cargo tanks on board marine vessels. This standard was published on 2022-12-13	25000	Voluntary
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622	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 4266- 6:2002	Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 6: Measurement of temperature in pressurized storage tanks (non-refrigerated)	This Uganda Standard gives guidance on the selection, accuracy, installation, commissioning, calibration and verification of automatic tank thermometers (ATTs) in fiscal/custody transfer applications in which the ATT is used for measuring the temperature of petroleum and liquid petroleum products, stored in pressurized storage tanks. This part of ISO 4266 is not applicable to the measurement of temperature in caverns or in refrigerated storage tanks. This standard was published on 2022-12-13	25000	Voluntary
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623	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8501-3:2006	Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 3: Preparation grades of welds, edges and other areas with surface imperfections	This Uganda Standard describes preparation grades of welds, edges and other areas, on steel surfaces with imperfections. Such imperfections can become visible before and/or after an abrasive blast-cleaning process. The preparation grades given in this part of ISO 8501 are to make steel surfaces with imperfections, including welded and fabricated surfaces, suitable for the application of paints and related products. This standard was published on 2022-12-13	20000	Voluntary
624	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 8504-3:2018	Preparation of steel substrates before application of paints and related products - Surface preparation methods - Part 3: Hand- and power-tool cleaning	This Uganda Standard describes methods for hand-tool and power-tool cleaning of steel substrates before application of paints and related products. It is applicable both to new steelwork and to steel surfaces that have been coated previously and that show areas of	20000	Voluntary

				breakdown requiring maintenance painting. It describes the equipment to be used and the procedures to be followed. This standard was published on 2022-12-13		
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625	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 28300:2008	Petroleum, petrochemical and natural gas industries - Venting of atmospheric and low-pressure storage tanks	This Uganda Standard covers the normal and emergency vapour venting requirements for aboveground liquid petroleum or petroleum products storage tanks and aboveground and underground refrigerated storage tanks designed as atmospheric storage tanks or low-pressure storage tanks. Discussed in this standard are the causes of overpressure and vacuum; determination of venting requirements; means of venting; selection, and installation of venting devices; and testing and marking of relief devices. This Uganda Standard is intended for tanks containing petroleum and petroleum products but it can also be applied to tanks containing other liquids; however, it is necessary to use sound engineering analysis and judgment whenever this Uganda	90000	Voluntary
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				Standard is applied to other liquids. This Uganda Standard does not apply to external floating-roof tanks. This standard was published on 2022-12-13		
626	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 197-1:1983	Copper and copper alloys - Terms and definitions - Part 1: Materials	This Uganda Standard gives terms for and definitions of materials in the field of copper and copper alloys. This standard was published on 2022-12-13	15000	Voluntary

627	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 1190-1:1982	Copper and copper alloys - Code of designation - Part 1: Designation of materials	This Uganda Standard relates to the designation of coppers and copper alloys in terms of their material composition. This standard was published on 2022-12-13	15000	Voluntary
628	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2567: 2022	Copper - Specification	This Uganda Standard specifies requirements, sampling and test methods for various types of copper in the form of refinery shapes. This standard was published on 2022-12-13	20000	Voluntary
629	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 2600:2022	Standard Test Methods for Chemical Analysis of Copper Alloys	This Uganda Standard covers test methods for the chemical analysis of copper alloys having chemical ranges within the following limits: Element Composition, % Aluminum 12.0 max Antimony 1.0 max Arsenic 1.0 max Cadmium 1.5 max Cobalt 1.0 max Copper 40.0 min Iron 6.0 max Lead 27.0 max Manganese 6.0 max Nickel 50.0 max Phosphorus 1.0 max Silicon 5.0 max Sulfur 0.1 max Tin 20.0 max	50000	Voluntary

				Zinc 50.0 max. This standard was published on 2022-12-13		
630	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US 774: 2022	Protective helmets for motorcycle users - Specification	This Uganda Standard specifies the requirements and test methods for protective helmets intended for the protection of the driver or of the rider and the passenger while riding motorcycles of any kind, including motorized bicycles/tricycles, mopeds, motorbikes, quad bikes and scooters with or without side-car. This standard excludes helmets worn by participants in the competitive events (This standard will cancel and replace, upon publication of the	30000	Voluntary

				Legal Notice, the first edition, US 774: 2011, Protective helmets for motorcycle users - Specification).. This standard was published on 2022-12-13		
631	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 7000: 2019	Graphical symbols for use on equipment - Registered symbols (2nd Edition)	This Uganda Standard provides a collection of graphical symbols which are placed on equipment or parts of equipment of any kind in order to instruct the person(s) using the equipment as to its operation. (This standard will cancel and replace the first edition, US ISO 7000:2014, Graphical symbols for use on equipment - Registered symbols which has been technically	10000	Voluntary

				revised, upon publication of a legal Notice.). This standard was published on 24 May 2023.		
632	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO 10075-1:2017	Ergonomic principles related to mental workload - Part 1: General issues and concepts, terms and definitions (1st Edition)	This Uganda Standard defines terms in the field of mental workload, covering mental stress and mental strain, and short- and long-term, positive and negative consequences of mental strain. It also specifies the relations between these concepts involved. (This standard will cancel and replace US ISO 10075:1991, Ergonomic principles related to mental work-load - General terms and definitions which has been technically revised, upon publication of a legal	25000	Voluntary

				Notice). This standard was published on 24 May 2023.		
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633	SERVICES AND BUSINESS MANAGEMENT STANDARDS	US ISO/PAS 45005: 2020	Occupational health and safety management - General guidelines for safe working during the COVID-19 pandemic (1st Edition)	This Uganda Standard gives guidelines for organizations on how to manage the risks arising from COVID-19 to protect work-related health, safety and well-being. This document is applicable to organizations of all sizes and sectors, including those that: a) have been operating throughout the pandemic; b) are resuming or planning to resume operations following full or partial closure; c) are re-occupying workplaces that have been fully or partially closed; d) are new and planning to operate for the first time. This document also provides guidance relating to the protection of workers of all types (e.g. workers employed by the organization, workers of external providers, contractors, self-employed individuals, agency workers, older workers, workers with	55000	Voluntary
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				<p>a disability and first responders), and other relevant interested parties (e.g. visitors to a workplace, including members of the public). This standard was published on 24 May 2023.</p>		
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634	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14692-1:2017	Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping - Part 1: Vocabulary, symbols, applications and materials (1st Edition)	This Uganda Standard defines the applications, pressure rating methodology, the classification of the products according to application, type of joint and resin matrix and the limitations to both the materials of construction and the dimensions. It also lists the terms, definitions and symbols used and provides guidance in the use and interpretation of ISO 14692-2, ISO 14692-3 and ISO 14692-4. ISO 14692 (all parts) is applicable to GRP piping systems that 1) utilize joints that are capable of restraining axial thrust from internal pressure, temperature change and fluid hydrodynamic forces and 2) have a trapezoidal shape for its design envelope. It is primarily intended for offshore applications on both fixed and floating topsides facilities, but it	90000	Voluntary
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				<p>can also be used for the specification, manufacture, testing and installation of GRP piping systems in other similar applications found onshore, e.g. produced-water, firewater systems and general industrial use. For floating installations, reference is made to the design, construction and certification standards for the hull or vessel, since these can allow alternative codes and standards for GRP piping associated with marine and/or ballast systems. However, it is recommended that ISO 14692 (all parts) be used for such applications to the maximum degree attainable. ISO 14692 (all parts) can also be used as the general basis for specification of pipe used for pump caissons, stilling tubes, I-tubes, seawater lift risers and other similar items. This standard was published on 24</p>		
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635	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14692-2:2017	Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping - Part 2: Qualification and manufacture (1st Edition)	This Uganda Standard gives requirements for the qualification and manufacture of GRP piping and fittings in order to enable the purchase of GRP components with known and consistent properties from any source. It is applicable to qualification procedures, preferred dimensions, quality programmes, component marking and documentation. This document is intended to be read in conjunction with ISO 14692-1. This standard was published on 24 May 2023.	110000	Voluntary
636	CHEMICALS AND CONSUMER PRODUCTS STANDARDS	US ISO 14692-3:2017	Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping - Part 3: System design (1st Edition)	This Uganda Standard gives guidelines for the design of GRP piping systems. The requirements and recommendations apply to layout dimensions, hydraulic design, structural design, detailing, fire endurance, spread of fire and emissions and control of electrostatic	55000	Voluntary

				discharge. This document is intended to be read in conjunction with ISO 14692-1. This standard was published on 24 May 2023.		
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