



INDUSTRIAL LUBRICANTS

PRODUCT CATALOGUE

COMPLEX SOLUTIONS FOR INDUSTRY





Testing laboratory for petroleum products is a modern testing facility located within the Lubricant Blending Plant in Ruse, equipped with up-to-date testing, controlling and measuring tools. The lab was established in 1996 and received an accreditation from Bulgarian Accreditation Service in 1999. In 2003 it was accredited according to the requirements of EN ISO IEC 17025 with the scope of accreditation that covered testing of the following petroleum products: mineral oils, lubricating coolants, automotive fluids, lubricants, diesel and heavy fuel oils, mineral turpentine and also taking of samples.

Accreditation and certification:

Accreditation for quality management and competence

- EN ISO / IEC 17025:2006

Certification of quality management:

- ISO 9001
- ISO 14001
- OHSAS 18001

Organizational member of ASTM

A good evaluation of the personnel of the PPTL is their excellent performance in the International Laboratory Proficiency Testing Programs organized by A S T M International and Chevron Corporation every year, participation in new product development and consulting assistance during in-service lubricant monitoring programs.

QUALITY CONTROL

HYDRAULIC & SLIDEWAY OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® MHV PLUS	ISO 3448 VG 32, 46 ISO 6743/4 ISO-L-HV ISO 11158 HV DIN 51524 Part 3 (HVLP) US Steel 127 Denison HF-0 (including Denison T6C pump test), HF-1 & HF-2 Vickers M-2950-S, I-286-S	<p>PRISTA® MHV PLUS is a new generation of hydraulic oils blended with premium quality base stocks. Thanks to the highly refined base stocks used, the finished lubricants have high oxidation stability and extended durability and drain period. They are blended with highly efficient additive system including rust, oxidation and corrosion inhibitors and anti-wear agents' composition. Viscosity index modifier allows hydraulic systems/ fluids of higher shear stability to operate with higher efficiency and durability.</p> <p>PRISTA® MHV PLUS are suitable for use in hydraulic systems subjected to widely varying temperatures from -30°C to +50°C, i.e. same as in the open air. They are designated for use in hydrostatic lubrication systems and moving parts in circulating systems, demanding lubricants with very high oxidation stability, improved anti-wear and anti-scuffing properties, good R&O protection and high shear stability. These oils are suitable for use in hydraulic systems, hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units.</p> <p>Due to high quality base oils and additives used for their formulation these lubricants are very suitable for application in hydraulic systems operated at very high pressures exceeding 25 MPa and oil temperatures exceeding 90°C.</p>
PRISTA® MHV	ISO 3448 VG 15, 22, 32, 46, 68, 100, 150 ISO 6743/4 - ISO-L-HV ISO 11158 HV DIN 51524 Part 3 (HVLP) US Steel 127 Denison HF-O (including Denison T6C pump test), HF-1 & HF-2 Vickers M-2950-S, I-286-S	<p>PRISTA® MHV hydraulic oils are formulated with highly refined mineral base stocks with very good demulsibility and air-release properties and a highly efficient additives package including rust, oxidation and corrosion inhibitors, anti-wear agents and a polymethacrylate VII (Viscosity Index Improver).</p> <p>PRISTA®MHV lubricants are suitable for use in hydraulic systems operating under a wide range of temperatures from -30°C to + 50°C, i.e. as in the open. They are formulated for application in hydrostatic lubricating systems and moving parts of circulating systems, requesting lubricants with very high oxidation stability, improved anti-wear and anti- scuffing properties, good R&O protection and high shear stability. PRISTA®MHV oils are suitable for use in hydraulic systems of hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units.</p>
PRISTA® MHM	ISO 3448 VG 15, 22, 32, 46, 68, 100 ISO 6743/4 ISO-L-HM ISO 11158 HM DIN 51524 Part 2 (HLP) US Steel 127 (VG 32, 46, 68) Denison HF-O (including Denison T6C pump test), HF-1 & HF-2 Cincinnati Machine P68 (VG-32), P69 (VG-68), P70 (VG-46) Vickers M-2950-S, I-286-S	<p>PRISTA® MHM hydraulic oils blended from highly refined mineral base stocks with very good demulsibility and air-release properties and highly efficient additives complex of rust, oxidation and corrosion inhibitors and anti-wear agents. PRISTA® MHM hydraulic oils are developed for lubrication of moving parts and mechanisms of hydrostatic lubrication systems and circulating systems. Both applications require lubricants of very high oxidation stability with improved anti-wear and anti-scuffing properties providing reliable R&O protection.</p> <p>PRISTA® MHM hydraulic oils successfully pass Vickers 104C Vane Pump Test. PRISTA® MHM oils are suitable for application in hydraulic systems equipped with hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units. They are also effectively used as working fluid in plastic component extruders.</p> <p>Due to high quality base oils and additives used for their formulation these lubricants are very suitable for application in hydraulic systems operated at very high pressures exceeding 25 MPa and oil temperatures exceeding 90°C.</p>



HYDRAULIC & SLIDEWAY OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® MHM-B	ISO 3448 VG 10, 15, 22, 32, 46, 68, 100 ISO 6743/4 ISO-L-HM ISO 11158 HM DIN 51524 Part 2 (HLP) Muller Weingarten Brugger pass performance tests Vickers 104C vane pump test (IP 281/85)	PRISTA® MHM-B hydraulic oils are formulated from highly refined mineral base stocks exhibiting very good demulsibility and air-release properties blended with a highly efficient additive system, free from zinc or other metals, including rust, oxidation and corrosion inhibitors and anti-wear agents PRISTA® MHM-B hydraulic oils are developed for use as working media in hydrostatic lubrication systems and moving parts in circulating systems, hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units. One of the advantages of ashless additives is that they improve oil filterability especially when contamination with water is expected. Therefore, these oils can successfully be used as working fluid in systems with high temperature loads and where contaminations with water are expected to occur such as paper presses. The oils are very suitable for hydraulic system operated at very high pressures exceeding 25 MPa and oil temperatures exceeding 90°C.
PRISTA® MHM-D	ISO 3448 VG 22, 32, 46, 68, 100 ISO 6743/4 ISO-L-HM ISO 11158 HM (excl. demulsibility properties) DIN 51524 Part 2 (HLPD) MAN N 698-H-LPD	PRISTA® MHM-D hydraulic oils are developed to be used as working media in both hydrostatic and circulating lubrication systems for lubrication of moving parts and mechanisms operating under severe conditions. Due to detergent-dispersing additives PRISTA® MHM-D oils disperse particulates and emulsify liquid contaminants, helping to prevent deposits and sludge formation resulting in system malfunctions. Their advanced properties, however, will be noticed when used in systems with potential contamination. PRISTA® MHM-D will prove that they are really 'trustworthy and durable' oils.
PRISTA® BIO MHM-46	ISO 3448 VG 46 VDMA 24568 HEES W.G.K. Class 0	PRISTA® BIO-MHM 46 is bio-degradable hydraulic oil based on TPM fatty acid esters and an ashless additive package including R&O inhibitors and wear protection agents. PRISTA® BIO-MHM 46 is developed for use as working media in hydrostatic and circulating lubrication systems for lubrication of moving parts and mechanism operating in a temperature range from -25°C to +80°C. PRISTA® BIO-MHM 46 successfully passes biodegradability tests CEC-L-33-A-93 and OECD 301B.
PRISTA® MHL	ISO 3448 VG 32, 46, 68 ISO 6743/4 ISO-L-HL ISO 11158 HL DIN 51524 Part 1	PRISTA® MHL hydraulic oils are formulated from highly refined mineral base stocks blended with a highly efficient additive system including oxidation, rust and corrosion inhibitors. PRISTA® MHL hydraulic oils are developed for use as working media in hydrostatic lubrication systems and moving parts in circulating systems for lubrication of friction parts and mechanisms. PRISTA® MHL oils are suitable for application in hydraulic systems equipped with hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units.



HYDRAULIC & SLIDEWAY OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® FD 5	ISO 3448 VG 5 ISO 6743/2 ISO-L-FD-5 ISO/TR 10481:1993	PRISTA® FD 5 spindle oil is formulated with a special selection of highly refined mineral base stocks and a package of additives improving its oxidation stability, rust and corrosion protection properties and anti-wear properties. PRISTA® FD 5 spindle oil is designated for oil-bath or oil-mist lubrication of plain and rolling bearings and some couplings.
PRISTA® MHE-40	ISO 6743/4 HFAE ISO 12922 HFAE	PRISTA® MHE-40 is a fire resistant mineral hydraulic fluid. It is formulated with a special selection of high quality solvent refined and hydrotreated base stocks and a performance additive package providing the emulsion with high stability, very good oxidation and corrosion resistance, as well as protection against friction wear and bacterial growth. The 5% of PRISTA® MHE-40 fireproof hydraulic oil solution in water is recommended for use in hydrostatic hydraulic systems and equipment operating in fire hazardous environment in coal mining, metal mining, timber and other industries calling for fireproof hydraulic fluids. This biostable product is suitable for application in temperature range from 5°C to 55°C.
PRISTA® SHOCK ABSORBER OIL	ISO 3448 VG 15 ISO 6743/4 ISO-L-HV ISO 11158 HV DIN 51524 Part 3 (HVLP)	PRISTA® SHOCK ABSORBER OIL is formulated with highly refined base oils, a highly shear stable Viscosity Index Improver and an additive package including rust, oxidation and corrosion inhibitors. PRISTA® SHOCK ABSORBER OIL is used in shock absorbers of passenger cars, light duty and heavy duty trucks and other commercial vehicles.
PRISTA® MNP	VG 68 ISO 6743/13 ISO-L-G Cincinnati Millacron P-47 DIN 51517 Part 3 (CLP) DIN 51524 Part 2 (HLP) VG 220 ISO 6743/13 ISO-L-G Cincinnati Millacron P-50 DIN 51517 Part 3 (CLP)	PRISTA® MNP slideway oils are formulated with highly refined paraffinic/naphthenic type base oils with good inherent demulsibility and air release properties, and a highly efficient additive package providing excellent lubricating, anti-wear and adhesion properties, as well as reliable R&O and corrosion protection. PRISTA® MNP slideway oils are designed for lubrication of horizontal (PRISTA® MNP 68) and vertical (PRISTA® MNP 220) sideways and plain bearings of metalworking equipment.



COMPRESSOR OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® COMPRESSOR SYNTH	ISO 3448 VG 46, 68 DIN 51506 VDL ISO 6743/6 ISO- L-DAB, ISO-L-DAJ	<p>PRISTA® COMPRESSOR SYNTH lubricants are formulated with advanced PAO synthetic technology and latest generation additives designed to provide exceptional performance and complete protection of the system.</p> <p>PRISTA® COMPRESSOR SYNTH is recommended for lubrication of all types of compressors, including single and multistage reciprocating units and single or multistage centrifugal compressors, and is particularly recommended for use in rotary screw units of various OEM's inc. Atlas Copco, ABB and Tanabe.</p> <p>The high performance thermal stability allows PRISTA® COMPRESSOR SYNTH to protect oil-injected rotary screw compressors with high discharge temperatures of +100°C at 15 bar and extending drain intervals.</p> <p>PRISTA® COMPRESSOR SYNTH oils are recommended for use in marine diesel turbochargers where two separate lubrication systems are in use.</p>
PRISTA® MVK-2	ISO 3448 VG 46, 68, 100, 150, 220 ISO 6743/3A ISO- L-DAA, DAB, DAC, DAG, DAH DIN 51506 VDL	<p>PRISTA® MVK-2 compressor oils are developed for lubrication of piston type compressors, equipped with circulating or mixed type lubricating systems demanding oils of high oxidation stability, enhanced lubricating properties, R&O protection and output air temperatures up to 140°C, in some cases depending on compressor type and working conditions up to 220°C output air temperature.</p> <p>PRISTA® MVK-2 compressor oils are used in rotary (vane and screw) type compressors with low and medium output capacities, and output air pressures lower than 1500 kPa (15bar) and output air/oil temperatures up to 100°C. PRISTA® MVK-2 oils are formulated with a precise selection of high quality solvent refined and hydrotreated paraffinic-naphthenic base stocks and a highly efficient additive package.</p>
PRISTA® MVK-1	ISO 3448 VG 32, 100, 150, 220, 320 ISO 6743/3A ISO- L-DAA DIN 51506 VB and VC	<p>PRISTA® MVK-1 compressor oils are designated to lubricate rotary and piston type compressors with low and medium output capacities with output air pressures lower than 1000 kPa and output air temperatures up to 140°C. PRISTA® MVK-1 compressor oils are formulated from a carefully balanced selection of high quality solvent refined and hydrotreated base stocks of paraffinic-naphthenic type.</p> <p>PRISTA® MVK-1/100 may be used in oil sealed mechanical vacuum pumps at low vacuum up to 1.3.10⁻¹Pa and non-aggressive gases, where lubricants meeting OCT 3801402-86 & TGL 15291-R910 are required.</p>
PRISTA® FRIGUS HA	ISO 3448 VG 22,46, 68 ISO 6743/3A ISO- L-DRA DIN 51503 KA	<p>PRISTA® FRIGUS HA oils are recommended for lubrication of refrigerators and refrigerating equipment operating with ammonia as refrigerant. PRISTA® FRIGUS HA oils are blended from a special selection of high quality highly solvent refined and hydrotreated naphthenic base stocks.</p>



INDUSTRIAL GEAR OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® ROLON F	ISO 3448 VG 100, 150, 220, 320, 460 ISO 6743/6 ISO-L-CKD ISO 12925-1 CKC/CKD DIN 51517 part 3, CLP Siemens MD Revision 15 Flender gearboxes US Steel 224 GM LS 2 EP Gear oil AGMA 9005-E02 Cincinnati EP Gear Oils	<p>PRISTA® ROLON F oils are formulated with an appropriate selection of high quality solvent refined and hydrotreated lube base stocks blended with an ashless sulfur-phosphorus type additive package that delivers a high level of micropitting resistance in addition to high EP protection and thermal stability.</p> <p>The oils of series PRISTA® ROLON F are recommended for application in heavy duty and high temperature circulating systems for long-term service. These oils ensure enhanced metal surface protection against micro pitting corrosion which makes them especially suitable for speed reducers ranging from the small motor-reducers of less than 1 kW power to the big powerful units used on metal rolling mills, cement mills and also in hoist mechanisms in mines.</p> <p>PRISTA® ROLON F are recommended for lubrication of closed gear drives (reducers), chain (gear) drives, chain wheels and sprockets, plain and rolling bearings, slide ways and flexible connections/couplings, operated at normal to elevated temperatures. Moreover, PRISTA® ROLON F oils are also recommended for application in low to medium pressure hydraulic systems for which the dependable rust and corrosion protection is of crucial importance.</p>
PRISTA® ROLON	ISO 3448 VG 32, 46, 68, 100, 150, 220, 320, 460 § 680 ISO 6743/6 ISO-L-CKD ISO 12925-1 CKC/CKD, DIN 51517 part 3, CLP DAVID BROWN S1.53.101(E) AGMA 9005-E02 SEB 181 226 (VG 68-680)	<p>PRISTA® ROLON industrial gear oils are developed for lubrication of heavily loaded industrial gear drives operated at normal, medium and elevated stabilized oil temperatures.</p> <p>PRISTA® ROLON oils are designated for application is heavily loaded closed gear boxes with straight and spiral bevel gears, spur gears, hypoid gears, worm gear drives. PRISTA® ROLON are formulated with appropriate selection of high quality solvent refined and hydrotreated lube base stocks and an ashless sulfur-phosphorus type additive package.</p>

TURBINE OILS

PRISTA® TPS-32	ISO 3448 VG 32 ISO 6743-5 ISO L-TSA, TGA ISO 8068: 2006 L-TGB, L-TGSB ISO 8068 Type AR ASTM D 4304 Type I DIN 51 515 Part 1 (L-TD), Part 2 (L-TG) British Standard 489 (CIGRE), MIL-L- 17672 D U.S. Steel 120, GEK 32568 F, 28143A, 46506D ABB HTGD 90 117 V0001R 117 Siemens AG TLV 9013 05 Skoda Tp 0010P/97 CEGB Standard 207001 Solar ES9-224U	<p>PRISTA® TPS-32 turbine oil is formulated with a special selection of highly refined lube base stocks exhibiting very high resistance to deterioration and a highly efficient ash-free additive package.</p> <p>The premium quality turbine oil PRISTA® TPS-32 is developed to lubricate steam, water and gas turbines. This turbine oil exhibits superior oxidation stability demonstrated by more than 1000 hours in RBOT Test, as well as good corrosion protection. The oil is also suitable for the lubrication of the associated with turbines equipment and assemblies and as well as the systems governing them.</p> <p>Baths and circulating systems, oil-lubricated bearings of different types, from moderately to medium loaded assemblies and hydraulic systems under low to moderate pressures are among the other typical applications.</p> <p>The improved corrosion performance in synthetic sea water makes these turbine oils suitable for application in on-board compressors and turbines in different vessels as well as other auxiliary ship equipment.</p> <p>PRISTA® TPS-32 meets and exceeds the requirements of major OEM such as Alstom, Siemens, GE, etc.</p>
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TURBINE OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
<p>PRISTA® TPS-46</p>	<p>ISO 3448 VG 46 ISO 6743-5 ISO L-TSA, TGA ISO 8068: 2006 L-TGB, L-TGSB, ISO 8068 Type AR ASTM D 4304 Type I DIN 51 515 Part 1 (L-TD), Part 2 (L-TG), British Standard 489 (CIGRE), MIL-L 17672 D U.S. Steel 120, GEC 32568 F, 28143A, 46506D ABB HTGD 90 117 V0001R 117 Siemens AG TLV 9013 05 Skoda Tp 0010P/97 CEGB Standard 207001 Solar ES9-224U</p>	<p>PRISTA® TPS-46 premium quality turbine oil is formulated with a selection of highly refined lube base stocks with very high resistance to deterioration and a special, highly efficient ash-free additive package. PRISTA® TPS-46 is developed to lubricate steam, water and gas turbines. This product has superior oxidation stability demonstrated by more than 1000 hours in RBOT Test, provides good corrosion protection and is suitable for application in equipment associated with turbines and assemblies, as well as in the systems governing them, baths and circulating systems, oil-lubricated bearings of different types, from moderately to medium loaded assemblies and hydraulic systems under low to moderate pressures are among the other typical applications. The improved anticorrosion properties performance in synthetic sea water makes these turbine oils suitable for application in on-board compressors and turbines in different vessels and other auxiliary ship equipment. PRISTA® TPS-46 meets and exceeds the requirements of major OEMs, such as Alstom, Siemens, GE.</p>
<p>PRISTA® TPX</p>	<p>VG 32 ISO 6743-5 ISO L-TSA, TGA ISO 8068: 2006 L-TSE, L-TGE DIN 51515 Part 1 (L-TD), Part 2 (L-TG) British Standard 489 ASTM D 4304 Type II (EP) ABB HTGD 90117 Siemens TLV 9013 05-EP Skoda Power Tp0010P KEMA keuringseisen M23b GEC Alstom NBA P50001A & NBA P50003 A Fiat Avio TS 5001 Solar ES9-224 (Class II) Atlas Copco 790.21.2E Siemens (former ABB-stal) MAT 81 21 01 & 81 21 02 GEC 27070, 46506E, 28143A, 32568F (9E/9FA), 101941A (6FA) VG 46 ISO 6743-5 ISO L-TSA, TGA ISO 8068: 2006 L-TSE, L-TGE DIN 51515 Part 1 (L-TD), Part 2 (L-TG), British Standard 489 ASTM D 4304 Type II (EP) ABB HTGD 90117 Siemens TLV 9013 05-EP Skoda Power Tp0010P KEMA keuringseisen M23b GEC Alstom NBA P50001A & NBA P50003 A Siemens gas turbines SGT 200 Solar ES9-224 (Class II) MAN Turbo TQL-T2 Atlas Copco 790.21.2E Siemens (former ABB-stal) MAT 81 21 01 & 81 21 02 VG 68 ISO 6743-5 ISO L-TSA, TGA ISO 8068: 2006 L-TSE, L-TGE DIN 51515 Part 1 (L-TD), Part 2 (L-TG), British Standard 489 ASTM D 4304 Type II (EP) ABB HTGD 90117 Siemens TLV 9013 05-EP Skoda Power Tp0010P KEMA keuringseisen M23b</p>	<p>PRISTA® TPX turbine oils are formulated with highly refined hydrotreated lube base stocks blended with an ashless additive package. These lubricants provide very good oxidation stability, reliable corrosion protection and have good anti-wear properties, meeting and exceeding the requirements of leading OEMs such as MAN, Alstom, Siemens, GE, etc.</p> <p>PRISTA® TPX turbine oils are developed for application in steam and gas turbines, operated under high loads and extreme temperatures, especially in gas turbines and compressor units with a common (combined) lubricating system requiring lubricants with mild EP properties. They meet and exceed the stringent requirements of MAN, Alstom, Siemens, GE and ASTM demanding oils passing minimum 8 load stage of FZG test.</p> <p>PRISTA® TPX oils are also suitable for synthesis gas, ammonia compressors and water turbines calling for lubricants of category TSA per ISO 6743-5. Their improved corrosion protection performance in synthetic sea water makes these turbine oils suitable for application in on-board compressors, turbines, other auxiliary ship equipment, baths and circulating systems, oil-lubricated bearings of different types, moderate and medium loaded assemblies and hydraulic systems working under low to moderate pressure.</p>



TURBINE OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® TPS EP	<p>ISO 3448 - VG 32, 46 ISO 6743-5 ISO L-TSA, TGA ISO 8068: 2006 L-TGB, L-TGSB ISO 8068 Type AR DIN 51515 Part 1 (L-TD), Part 2 (L-TG) British Standard 489 (CIGRE) ASTM D 4304 Type II (EP) MIL-L 17672 D Siemens TLV 9013 05 with EP properties ABB HTGD 90117 V0001R117 Skoda Power Tp0010P/97 Cincinnati Mashine P-38 (VG 32), P-55 (VG 46) CEGB Standard 207001 Solar ES9-224U General Electric GEK 28143A, GEK 32568 F (VG 32), GEK 46506D (VG 32)</p>	<p>PRISTA® TPS EP turbine oils are formulated with a special selection of highly refined hydrotreated base stocks exhibiting very high resistance to deterioration blended and a special, highly efficient ash-free additive package providing excellent oxidation stability, reliable corrosion protection and good anti-wear properties.</p> <p>These premium quality turbine oils are developed to lubricate steam, water and gas turbines; they have superior oxidation stability demonstrated by more than 1000 hours in RBOT Test and provide good corrosion protection. They are designed particularly for lubrication of gas turbines and compressor units with common (combined) lubricating system, demanding lubricants with mild EP properties. They meet and exceed the stringent requirements of Alstom, Siemens, GE and ASTM for oils passing minimum 8th load stage of FZG test.</p> <p>PRISTA® TPS EP turbine oils are also suitable for use in equipment and assemblies associated with turbines and as systems governing them. Other typical applications are in baths and circulating systems, oil-lubricated bearings of different types, moderately to medium loaded assemblies and hydraulic systems under low to moderate pressure. The improved corrosion protection performance in synthetic sea water makes these turbine oils suitable for application in on-board compressors and turbines of different vessels, and in other auxiliary ship equipment.</p>
PRISTA® TP	<p>ISO 3448 - VG 32, 46 ISO 6743-5 ISO L-TSA ISO 8068: 2006 L-TSA, L-TGA ISO 8068 Type AR DIN 51515 Part 1 (L-TD) DIN 51524 Part 1 (HL) British Standard 489 (CIGRE) ASTM D 4304 Type I MIL-L 17672 D Siemens TLV 9013 04</p>	<p>PRISTA® TP turbine oils are formulated with highly refined lube base stocks blended and a highly efficient ash-free additive package providing high oxidation stability and reliable corrosion protection. PRISTA® TP turbine oils are developed to lubricate water, steam and gas turbines (normal service), required TSA and TGA oils in accordance with ISO 8068.</p> <p>PRISTA® TP turbine oils are also suitable for use in equipment and assemblies associated with turbines, and in systems governing those machines. Other typical applications are in baths and circulating systems, oil-lubricated bearings of different types, moderately to medium loaded assemblies and hydraulic systems under low to moderate pressure.</p>

TRANSFORMER OILS

PRISTA® TRAFO A HOSIO	<p>IEC 60296 Ed. 4.0, 2012 Class I- Special applications Siemens TUN 901293 EN 61039 ISO-L-NTIO- 2960131</p>	<p>PRISTA® TRAFO A HOSIO insulating oil is formulated with severely hydrotreated naphthenic oil and a phenolic type antioxidant. It is designated for use in high voltage electrical equipment such as transformers, circuit breakers (switches) etc., demanding a lubricant with special characteristics as an insulating and heat-transfer media.</p>
PRISTA® TRAFO A	<p>IEC 60296 Ed. 4.0, 2012 Class I Siemens TUN 901293 EN 61039 ISO-L-NTIO- 2960131</p>	<p>PRISTA® TRAFO A is inhibited transformer oil formulated with highly refined naphthenic type mineral oil and phenolic type antioxidant. It is designated for use in high voltage electrical equipment such as transformers, circuit breakers (switches) etc., demanding a lubricant as an insulating and heat-transfer media.</p>



TRANSFORMER OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® TRAFO	IEC 60296 Ed. 4.0, 2012 Class U Siemens TUN 901293 EN 61039 ISO-L-NTUO- 2960131	PRISTA® TRAFO is an uninhibited insulating oil formulated with highly refined naphthenic type crude oil. It is designated for applications in high voltage electrical equipment such as transformers, circuit breakers (switches) etc., demanding a lubricant as an insulating and heat-transfer media.

CIRCULATING AND GENERAL PURPOSE

PRISTA® PAPER MACHINE	ISO VG 3448 150, 220, 320 SKF Paper Machine Oil Metso RAU4L00659.04 Voith VN 108	PRISTA® PAPER MACHINE oils are produced with advanced additive package and highly refined mineral base oils with very good inherent oxidation stability and corrosion protection, excellent water separability and air-release properties to readily release entrained water and air during service. PRISTA® PAPER MACHINE oils are primarily designated for circulating systems of paper machines, worm gear drive units and pumps in industrial application.
PRISTA® CIRCULATING OIL	ISO 3448 VG 100, 150, 220, 320, 460 ISO 6743/2 ISO-L-FC Morgoil Advanced Lubricant Specification. New Oil Revision 2.4, 2007 DIN 51524 Part 1, HL DIN 51517 Part 2, CL ISO 11158 HL ISO 12925/1 CKB	PRISTA® CIRCULATING OILS are mineral oils of high grade with high resistance to oxidation and formation of sludge when subjected to rolling mill service. They are produced with advanced additive package and highly refined mineral base oils with very good inherent oxidation stability and corrosion protection properties, excellent water separability and air-release properties to readily release entrained water and air during service. PRISTA® CIRCULATING OILS are designated primarily for oil-bath lubrication of plain and rolling bearings of high speed rod, bar, combination mills and handling equipment as well as rolling mill equipment systems for steel and non-ferrous industries. They can successfully be used for in lightly loaded worm gear drives, as well as in the circulating lubrication systems of paper machines.
PRISTA® AN	ISO 3448 VG 15, 32, 46, 68, 100, 150, 220, 320, 460, 680 ISO 6743/1 ISO-L-AN ISO 11158 HH	PRISTA® AN industrial oils are formulated with a special selection of high quality solvent refined and hydrotreated naphthenic and paraffinic-naphthenic base stocks. PRISTA® AN oils are developed for both flow and circulating lubrication of lightly loaded units in industrial machines, equipment and systems. They are well suited for industrial systems operated at high pressures up to 15 MPa and oil temperatures of 80°C.

CHAINSAW OILS

PRISTA® MVR MULTI	ISO 3448 VG 125 ISO 6743/1 ISO-L-AC	PRISTA® MVR MULTI chainsaw chain oil is designated for lubrication of chainsaw chains. Additive package provides very good adhesion to the cutting tool, reducing tool wear and lowering oil consumption. PRISTA® MVR MULTI is formulated with highly refined base stocks and special antiwear and anticorrosion additives and a tackiness agent.
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CHAINSAW OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® MVR	ISO 3448 VG 100 ISO 6743/1 ISO-L-AC	PRISTA® MVR chainsaw chain oil is designated for lubrication of chainsaw chains. Their additive package imparts very good adhesion to the cutting tool, providing reduced tool wear and lower oil consumption. PRISTA® MVR is formulated from highly refined base stocks and special antiwear and anticorrosion additives and a tackiness agent. The product is NOT suitable for chainsaw engines lubrication!

HEAT TRANSFER FLUIDS

PRISTA® SUPERTHERM	ISO 3448 VG 22 ISO 6743/12 ISO-L-QC-22 DIN 51522-Q ISO 3448 VG 32 ISO 6743/12 ISO-L-QC-32 DIN 51522-Q	PRISTA® SUPERTERM are synthetic heat transfer oils formulated with API Group III narrow-cut base stock blended with an appropriate highly efficient additive package, imparting very high oxidation stability of the finished product. PRISTA® SUPERTERM are designed for use as heat transfer media in industrial drying applications, rubber and plastic manufacture, heating of asphalt and fuel oil tanks, factory heating, production of soap, resin, glue, dyes, paints and in other indirect heating systems.
PRISTA® MTL	ISO 3448 VG 32 ISO 6743/12 ISO-L-QC-32 DIN 51522-Q ISO 3448 VG 46 ISO 6743/12 ISO-L-QC-46 DIN 51522-Q	PRISTA® MTL are formulated with highly refined narrow-cut base stocks and an advanced additive package. These lubricants are recommended for use as heat-transfer oils in forced circulating systems with indirect heating.
PRISTA® ECO HEAT FLUID		PRISTA® ECO HEAT FLUID is a latest generation innovative heat-transfer fluid based on glycols. The product ensures optimal thermal conductivity, frost and corrosion protection for solar and heating systems imposing very low risks on people and environment. Then lubricant is free from potentially harmful substances such as nitrites, amines and phosphates which makes it environmentally friendly. PRISTA® ECO HEAT FLUID is recommended for use as heat-transfer media in: - Solar heating systems - Steam heating systems (boilers) - Underfloor heating systems - Geothermal heating systems - HVAC - Wet-pipe fire systems Thanks to the vegetable and harmless components used in its formulation, PRISTA® ECO HEAT FLUID is an appropriate substitute for ethylene and propylene glycol based fluids. Thus it can successfully be used in hospitals, hotels, public buildings, homes, country and holiday houses and industrial premises.



QUENCHING OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® MZ 22 E	ISO 3448 VG 22 ISO 6743/14 ISO- L-UHA, ISO- L-UHB	PRISTA® MZ 22 E quenching oil is designated for use as cooling media during cold quenching of metals. The well balanced additive package ensures high cooling rates in the pearlite and low cooling rates in the martensite intervals respectively. The treated parts exhibit superior quenching depth and level of hardness of the material, as well as very high cleanliness. The product's working temperature should not exceed 100°C. PRISTA® MZ 22 E is formulated with a narrow cut highly refined paraffinic and naphthenic type base stocks of low coking tendency, blended with an appropriate high performance additive package to ensure high thermal and oxidation stability, good cooling properties of the oil and cleanliness of the quenched parts.
PRISTA® MZ	ISO 3448 VG 22, 32, 46 ISO 6743/14 ISO- L-UHA, ISO- L-UHB ISO 3448 VG 100, 150, 460 ISO 6743/14 ISO-L-UHC; ISO-L-UHE	PRISTA® MZ oils are designated for cold quenching of various types and contents steels. These products are especially suitable for bulk and surface quenching of high and low carbon steel; they are also suitable for constructional and industrial alloyed steels. The well balanced additive package ensures high cooling rates in the pearlite and low cooling rates in the martensite intervals respectively. The treated parts are heated up to 800-1100°C and then they are dipped in the oil. Thus, they exhibit superior quenching depth and level of hardness of the material, as well as very high cleanliness. The product's working temperature range is between 30°C and 100°C. The higher the working temperature, the shorter the service life of the oil. PRISTA® MZ quenching oils are formulated from highly refined paraffinic-naphthenic narrow cuts of low coking tendency, blended with an appropriate high performance additive package, providing excellent thermal and oxidation stability, cooling capacity of the oils and cleanliness of the treated parts.

MWF

PRISTA® REZINOL HD 22 Neat oils	ISO 3448 VG 22 ISO 6743/7 ISO-L-MHF BDS 14745 COT/P-M/ MA-3	PRISTA® REZINOL HD 22 cutting oil is formulated with highly refined mineral base stocks blended with a highly efficient additive package to impart excellent lubricating and anti-wear properties and reliable corrosion protection. PRISTA® REZINOL HD 22 is a neat cutting oil developed for direct use without dilution with water as lubricating and cooling media of the cutting tools in the heaviest types of chip-removal machine operations of steel, such as deep drilling, tapping and threading, milling and broaching. This product is recommended for gear cutting and automatic lathes. It contains active sulfur and is not recommended for use during machining of non-ferrous metals.
PRISTA® REZINOL Neat oils	ISO 3448 VG 15, 22, 32 ISO 6743/7 ISO-L-MHF BDS 14745 COT/P-M/ MA-3	PRISTA® REZINOL cutting oils are formulated with highly refined mineral base stocks and a specially selected additive package, providing excellent lubricity, anticorrosion and antiwear properties. PRISTA® REZINOL oils are designated for lubrication and cooling of the cutting tools used during heavy duty machine operations of steels and their alloys. They are used directly without dilution with water. These oils are recommended for application in automatic lathes, for drilling and threading, etc. They are not recommended for use during machining of non-ferrous metals. PRISTA® REZINOL 15 and 22 are recommended for during light and medium duty metalworking operations, and PRISTA® REZINOL 32 is designated for cooling of the cutting tools during heavy duty machining operations of highly alloyed, stainless steel and heat resistant steels and alloys with automatic lathes.



NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® C Neat oils	VG 22, 32 ISO 6743/7 ISO-L-MHE BDS 14745 COT/P-M/ MA-1	<p>PRISTA® C neat cutting oils are formulated with highly refined mineral base oils and a highly efficient additive package providing very good lubricating and cooling properties of the finished lubricant, as well as reliable protection against wear and corrosion. PRISTA® C are recommended for use during machining of ferrous metals and their alloys, lubrication and cooling of cutting tools operated under low, moderate and high loads. Moreover, they can successfully be used during high-speed grinding of hard-steels and in cutting tools operated at shock loads and high temperatures in the cutting zone.</p>
PRISTA® MPD Neat oils	VG 46, 120 ISO 6743/7 ISO-L-MHF BDS 14745 COT/P-M/ MA-3	<p>PRISTA® MPD metal forming oils are formulated with highly refined paraffinic-naphthenic type base oils and a highly efficient additive package ensuring excellent lubricating, antiwear and corrosion protection properties. PRISTA® MPD are neat cutting oils recommended for use in a variety of ferrous metalworking processes, combining both types of machining: chip-removal and cutting, as well as forming and plastic deformation. These oils can also be used in multistation transfer presses used for fixing components (screws, nuts, etc.) production. They contain active sulfur and which make them not suitable for utilization during non-ferrous metal machining.</p>
PRISTA® FREZOL Neat oils	VG 22, 32 ISO 6743/7 ISO-L-MHC BDS 14745 COT/P-M/M-1	<p>The non-ferrous metal (copper, aluminum, etc.) PRISTA® FREZOL cutting oils are formulated with a special highly refined base oil and a highly efficient additive package. These free of active sulfur lubricants have excellent lubricating and EP properties and provide reliable protection against wear and corrosion. PRISTA® FREZOL cutting oils are developed for application during different metalworking cutting operations, including turning, grinding, milling, drilling, thread cutting, etc. on non-ferrous metals and their alloys. These oils possess EP properties providing relevant cooling of the tools and reducing tools wear rates. PRISTA® FREZOL oils are recommended for application during machining of aluminium and its alloys.</p>
PRISTA® EE-5 Neat oils	VG 5 ISO 6743/7 ISO-L-MHA	<p>PRISTA® EE 5 is an electric discharging oil, formulated with a special selection of highly refined paraffinic/naphthenic type base oils and a highly efficient additive package, giving the finished product very good oxidation stability, antiwear and anticorrosion properties. PRISTA® EE 5 electric discharging oil is used as dielectric media in electroerosion machining of metal parts.</p>
PRISTA® HONING Neat oils	VG 5 ISO 6743/7 ISO-L-MHB	<p>PRISTA® HONING is a mineral oil formulated with a special selection of highly refined, low viscosity hydrotreated paraffinic-naphthenic type base oils and wetting agents, oxidation inhibitors and special chemically active additives. PRISTA® HONING is used for honing and fine grinding (super finishing) of non-ferrous metals, ordinary steel and ball bearing steels by vitrified stones either impregnated with Sulphur or not, and for ball grinding of Bakelite bonded or vitrified tools. The product has limited application in machining of copper alloys and non-ferrous metals.</p>



NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® SYNTHILIN 5 Water soluble	ISO 6743/7 ISO-L-MAG	<p>PRISTA® SYNTHILIN 5 is a fully synthetic concentrate based on polyglycols, synthetic acids and other anticorrosion additives. This product contains boric acid and amines but is lactic acid free.</p> <p>The water-miscible cutting fluid PRISTA® SYNTHILIN 5 is suitable for application in grinding operations of steel and cast iron and forms transparent solutions. It provides excellent protection against corrosion, wear and bacterial growth. Recommended concentrations are:</p> <ul style="list-style-type: none"> - Grinding of steel: 4-5% - Grinding of cast iron: 5-6%
PRISTA® SYNTHOL A-HW Water soluble	ISO 6743/7 ISO-L-MAF	<p>PRISTA® SYNTHOL A-HW is water-miscible metal working fluid formulated with base oils of low aromatic contents and neutralised products of boric acid, anionic and non-ionic emulsifiers, as well as yellow metals corrosion inhibitors and stabilizing agents.</p> <p>PRISTA® SYNTHOL A-HW is a universal water-miscible cutting fluid for all chip-removal metalworking operations and is especially recommended for preparation of working solutions with water of hardness 8-25°dH.</p>
PRISTA® SYNTHOL A-SW Water soluble	ISO 6743/7 ISO-L-MAF	<p>PRISTA® SYNTHOL A-SW is a water-miscible metal working fluid formulated with base oils of low aromatic contents and neutralised products of boric acid, anionic and non-ionic emulsifiers, as well as yellow metals corrosion inhibitors and stabilizing agents.</p> <p>PRISTA® SYNTHOL A-SW is a universal water-miscible cutting fluid for all chip-removal metalworking operations and is especially recommended for preparation of working solutions with soft water of hardness 5-15°dH, however it forms stable solutions with waters of up to 30°dH.</p>
PRISTA® EMULSIN EXTRA Water soluble	ISO 6743/7 ISO-L-MAE	<p>PRISTA® EMULSIN EXTRA is a water-miscible metal working fluid formulated with base oils of low aromatic contents and neutralised products of boric acid, anionic and non-ionic emulsifiers, as well as yellow metals rust and corrosion inhibitors. This product contains amines but is lactic acid free.</p> <p>PRISTA® EMULSIN EXTRA is a universal water-miscible cutting fluid for all chip-removal metalworking operations and is especially recommended for preparation of working solutions with water of hardness 7-30°dH.</p>
PRISTA® EMULSOL AB Water soluble	ISO 6743/7 ISO-L-MAB BDS 14745 COT/ P-M/ E-2	<p>PRISTA® EMULSOL AB is a high quality mineral oil-based metalworking fluid that forms milky emulsions when mixed with water. It is formulated with highly refined base stocks of paraffinic-naphthenic type and an additive package providing very good lubricity and emulsion stability and resistance to bacterial growth, ensuring excellent protection of working tools and machined parts against corrosion and wear. PRISTA® EMULSOL AB is a biostable metalworking fluid used as 5% oil-in-water emulsion in various ferrous metal removing and forming operations, such as turning, milling, drilling, grinding, tapping and threading, broaching and gear-cutting. It can also be used for non-ferrous metals machining but at certain conditions.</p>



MWF

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® EMULSOL B Water soluble	ISO 6743/7 ISO-L-MAB BDS 14745 COT/ P-M/ E-2	<p>PRISTA® EMULSOL B is a neat oil concentrate that forms milky emulsions when mixed with water. The product is formulated with highly refined base stocks of paraffinic-naphthenic type and an additive package ensuring very good lubricity and stability of the emulsion and its resistance to bacterial growth, as well as reliable protection of working tools and machined parts against corrosion and wear.</p> <p>PRISTA® EMULSOL B is a biostable metalworking fluid used as 5% oil-in-water emulsion in various ferrous metal removing and forming operations, such as turning, milling, drilling, grinding, tapping and threading, broaching and gear-cutting. This MWF is not suitable for processing of non-ferrous metals.</p>

PROCESS OILS

PRISTA® PK Plasticizers	ISO 6743/10 ISO-L-YEB (Prista PK-4n) ISO 6743/10 ISO-L-YEC (Prista PK-10, Prista PK 15, Prista PK-20 & Prista PK-30)	<p>PRISTA® PK plasticizers are formulated with high quality highly refined naphthenic (PRISTA® PK-4N) and paraffinic-naphthenic (PRISTA® PK-10, PRISTA® PK-15, PRISTA® PK-20 and PRISTA® PK-30) base stocks with excellent oxidation stability and very good compatibility with rubber components. Available in five commercial grades PRISTA® PK-4N, PRISTA® PK-10, PRISTA® PK-15, PRISTA® PK-20 and PRISTA® PK-30.</p> <p>PRISTA® PK plasticizers are rubber processing oils that are developed for application in rubber stock production as one of the components.</p>
PRISTA® KM Mould release oils	ISO 3448 VG 10, VG 15	<p>PRISTA® KM mould release oils are formulated with selected highly refined paraffinic-naphthenic base oils blended with an additive package, providing the finished product with very good lubricating, adhesion and mould release properties, reliable corrosion protection of formworks and easy separation during removal of shutters (deshuttering).</p> <p>PRISTA® KM oils are developed for lubrication of formworks (shutters) in the production of concrete, reinforced concrete and aerated concrete products and components as they facilitate their removal from the formworks during deshuttering. They can be applied by brush or sprayer (PRISTA® KM-10 and 15). When the proper viscosity grade oil is chosen, the oil consumption can be reduced to less than 1 liter per 20-25 m² area of formworks/shutters.</p>

STATIONARY GAS ENGINES OILS

PRISTA® GMK	SAE 30 / SAE 40 API CF Suitable for use: Caterpillar GE Jenbacher Waukesha	<p>PRISTA® GMK natural gas engine oils are formulated with a special selection of high quality solvent refined and hydrotreated paraffinic-naphthenic base stocks blended with an advanced technology additive package that provides exceptional oxidation stability, nitration resistance and thermal stability.</p> <p>PRISTA® GMK oils are designated for lubrication of present medium to high speed four-stroke stationary gas engines burning natural gasses and used in power generation or operated as compressors for natural gas transportation through pipeline transportation systems.</p>
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STATIONARY GAS ENGINES OILS

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® NGEO 40	SAE 40, API CF Suitable for use: GE Jenbacher Wärtsilä Caterpillar Waukesha Deutz	PRISTA® NGEO 40 natural gas engine oil is formulated with Group II base oils and a latest generation additive package that provides exceptional oxidation stability, nitration resistance and thermal stability. PRISTA® NGEO 40 oil is a high quality gas engine oil with extended drain intervals. The product is designated for lubrication of modern medium to high speed four-stroke stationary gas engines burning natural gas and biogas. It is formulated to meet the NSCR (non-selective catalytic reduction) catalyst compatibility requirements.

GREASES

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® CS COMPLEX EP 2 & PRISTA® CS COMPLEX EP 1.5	Prista® SC Complex EP 2 NLGI 2 ISO 6743-9 - L-XBFIB 2 DIN 51502, DIN 51825 - KP2R-25 ASTM D 4950 GC-LB Prista® SC Complex EP 1.5 NLGI 1.5 ISO 6743-9 - L-XBFHB 1.5 DIN 51502, DIN 51825 - KP1.5R-25	PRISTA® CS COMPLEX EP greases are high performance heavy duty lubricating greases, based on calcium sulfonate complex thickener system and severely hydro-treated mineral base oil of high viscosity. A unique structure of calcium sulfonate complex thickener provides very high dropping points, extraordinary anti-wear performance and extreme pressure properties, excellent mechanical stability, good rust protection and superior water washout and water spray-off resistance. <i>Package: drum 180 kg, pail 16 kg</i>
PRISTA® LI COMPLEX EP 2 HDVT*	ISO 6743-9 - L-XCDIB 2 DIN 51502, DIN 51825 - KP2N-30	PRISTA® LI COMPLEX EP 2 HDVT is a heavy duty lubricating grease, based on lithium complex thickener and severely hydro-treated base oils of ISO VG320. Lithium complex thickener makes the product suitable for applications within a wide range of temperatures, especially at elevated temperatures. The product is formulated with the latest high-tech additive technology delivering the right balance of performance characteristics, thus prolonging re-greasing intervals. Improved oxidation stability, rust and corrosion prevention, superior AW/EP performance, as well as excellent water resistance properties – all these extend bearings life and provide for reduced downtime. <i>* Heavy duty very tacky</i> <i>Package: drum 180 kg, keg 50 kg, pail 15 kg, pail 4 kg</i>
PRISTA® LI COMPLEX EP 2	ISO 6743-9 - L-XBDIB 2 DIN 51502, DIN 51825 - KP2N-20	PRISTA® LI COMPLEX EP 2 grease is manufactured with highly refined high viscosity base oil, complex lithium soap thickener and a special package of additives. It is formulated for lubrication of plain, rolling and taper roller bearings and other mechanisms operating under high loads (even in the presence of contaminants such as water and salts) and under continuous high loads. It is suitable for big taper roller bearings in mining, construction, farm and marine equipment, operating in adverse environment. <i>Package: drum 180 kg, pail 15 kg, pail 4 kg</i>



GREASES

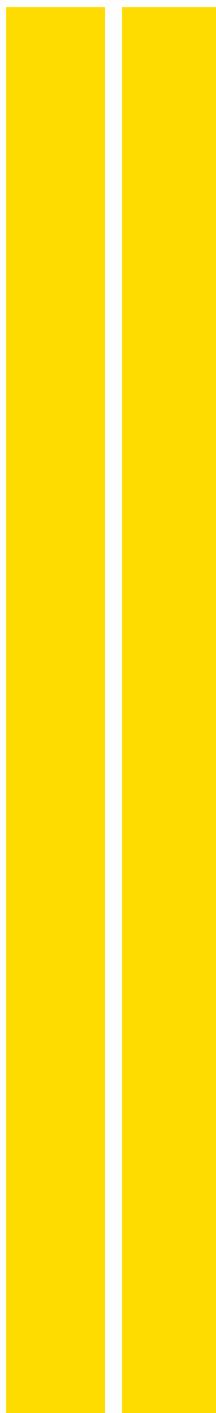
NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® LITHIUM EP	<p>NLGI 1 ISO 6743-9 - L-XCCHB 1 DIN 51502, DIN 51825 - KP1K-30</p> <p>NLGI 2 ISO 6743-9 - L-XCCHB 2 DIN 51502, DIN 51825 - KP2K-30</p> <p>NLGI 3 ISO 6743-9 - L-XCCHB 3 DIN 51502, DIN 51825 - KP3K-25</p>	<p>Multipurpose antifriction PRISTA® LITHIUM EP greases are manufactured by thickening an appropriate mineral base oil with lithium 12-hydroxystearate soap and a set of additives.</p> <p>PRISTA® LITHIUM EP greases are formulated to lubricate and seal plain and rolling bearings, hinge joints and other mechanisms operating under high pressure, shock loads and vibrations. They are recommended for multipurpose lubrication of industrial machinery and equipment operating under heavy loads and adverse environment, including long-term shock loads, high speeds, high humidity and very wide temperature range. These greases are used for lubrication of plain brass and babbitt radial bearings in rolling mills, screws and nuts of rollers, scissors, presses and cutting lines of steel rolling machines and other metalworking applications. They are also suitable for use in big roller bearings in mining, construction and marine machinery and equipment operating under adverse conditions.</p> <p><i>Package:</i> <i>NLGI 1 - drum 180 kg, pail 15 kg, pail 4 kg</i> <i>NLGI 2 - drum 180 kg, keg 50 kg, pail 15 kg, pail 4 kg, pail 0.800 kg, cartridge 0.400 kg</i> <i>NLGI 3 - drum 180 kg, pail 15 kg, pail 4 kg, pail 0.800 kg, cartridge 0.400 kg</i></p>
PRISTA® LIMO EP & PRISTA® LIMO EP 2 G	<p>Prista® LiMo EP 2/3 ISO 6743-9 - XBCHB 2/3 DIN 51502, DIN 51825 - KPF 2/3 K-25</p> <p>Prista® LiMo EP 2 G ISO 6743-9 - XBCHB 2 DIN 51502, DIN 51825 - KPF2K-20</p>	<p>Multipurpose antifriction PRISTA® LIMO EP and PRISTA® LIMO EP 2 G greases are manufactured by thickening mineral base oil with lithium 12-hydroxystearate soap, a proper additive package and 3% highly dispersive molybdenum disulphide (MoS₂) with particle sizes of 0.65 to 0.75 µm.</p> <p>PRISTA® LITHIUM EP 2 G is a multipurpose extreme pressure lithium soap thickened lubricating grease, containing both MoS₂ and graphite and is based on high quality mineral base oil of ISO VG 150. The addition of dry lubricants is providing extra protection against wear even under shock loads.</p> <p><i>Package: drum 180 kg, pail 15 kg, pail 4 kg, pail 0.800 kg</i></p>
PRISTA® LITHIUM	<p>NLGI 1 ISO 6743-9 - L-XCCHA 1 DIN 51502, DIN 51825 - 1K-30</p> <p>NLGI 2 ISO 6743-9 - L-XCCHA 2 DIN 51502, DIN 51825 - K2K-30</p> <p>NLGI 3 ISO 6743-9 - L-XCCHA 3 DIN 51502, DIN 51825 - K3K-25</p>	<p>Multipurpose antifriction PRISTA® LITHIUM greases are manufactured by thickening mineral base oil with lithium 12-hydroxystearate soap and a set of proper additives. These greases are designed to lubricate and seal medium and low speed plain bearings and mechanisms, electric motor bearings, encapsulated (roller and ball) industrial bearings, used in industrial equipment, railway and agricultural equipment and machines, requiring lubrication with lithium non-EP greases.</p> <p><i>Package:</i> <i>NLGI 1 - drum 180 kg, pail 15 kg</i> <i>NLGI 2 - drum 180 kg, pail 15 kg, pail 4 kg, pail 0.800 kg</i> <i>NLGI 3 - drum 180 kg, pail 15 kg, pail 4 kg, pail 0.800 kg, cartridge 0.400 kg</i></p>



GREASES

NAME	SPECIFICATIONS	DESCRIPTION AND APPLICATION
PRISTA® LICA	NLGI 1/2/3 ISO 6743/9- ISO-L-XCBHA-1(2), ISO-L-XCCHA-3 DIN 51502, DIN 51825 - G 1(2) G-30, K 3 K-30 STAS - 8789-91	Multipurpose lithium-calcium PRISTA® LICA greases have very high water resistance and ensure protection against wear and corrosion for the lubricated parts. These greases are recommended for lubrication of plain and rolling bearings operating under moderate loads in highly humid environment. PRISTA® LICA 1 and PRISTA® LICA 2 are also used for lubrication of closed gear drives. <i>Package:</i> <i>NLGI 1 - drum 180 kg</i> <i>NLGI 2 - drum 180 kg, keg 50 kg, pail 15 kg, pail 4 kg, pail 0.800, cartridge 0.400 kg</i> <i>NLGI 3 - drum 180 kg, keg 50 kg, pail 15 kg</i>
PRISTA® LICA EP 2	NLGI 2 ISO 6743/9 - ISO-L-XBBHB 2 DIN 51502, DIN 51825 - KP2G-25	Multipurpose, extreme pressure lithium and calcium thickeners grease, PRISTA® LICA EP 2 ensures very high water resistance and protection against wear and corrosion for the lubricated parts. This grease is recommended for lubrication of plain and rolling bearings operating under high loads in highly humid environment. PRISTA® LICA EP 2 is a widely used extreme pressure grease for automotive and industrial applications. Suitable for agricultural, off-road and construction equipment, where water and / or dust contamination is significant. <i>Package: drum 180 kg, keg 50 kg, pail 15 kg, pail 4 kg, pail 0.800 kg</i>
PRISTA® K-2-G VS* & PRISTA® K-2-G	Prista® K-2-G VS ISO 6743/9 - ISO-L-XBAHB 2 DIN 51502, DIN 51825 - KPF 2C-20 Prista® K-2-G ISO 6743/9 - ISO-L-XBAHA 2 DIN 51502, DIN 51825 - KPF 2C-20	PRISTA® K-2-G VS and PRISTA® K-2-G are water resistant calcium soap thickened lubricating greases. The added graphite powder ensures considerably high EP properties and reliable protection against wear. PRISTA® K-2-G VS is a very tacky grease, sticking to metal surfaces, with very strong EP properties. It contains graphite that provides very high load carrying capacity, exceptional resistance to water washout and very strong anti-corrosion properties. PRISTA® K-2-G VS shows very good results in trucks "fifth wheel" lubrications. It is also suitable for heavily loaded joints, hinges, open gear drives, threaded joints, chain drives, elevator sliders. Operating temperature range of PRISTA® K-2-G VS grease is from -20°C to +70°C. PRISTA® K-2-G grease is suitable for application in highly humid and very dirty environment. Operating temperature range of PRISTA® K-2-G greases is from -20°C to +60°C, with possible short time peak operating temperature up to +70°C, if the appropriate shorter re-greasing intervals are applied. <i>Package: drum 180 kg, pail 15 kg, pail 4 kg for Prista®K-2-G, pail 0.800 kg</i>





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