

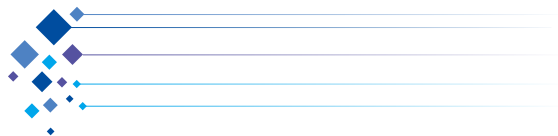
Keep Gliding

 **gandhar**
Stay Ahead



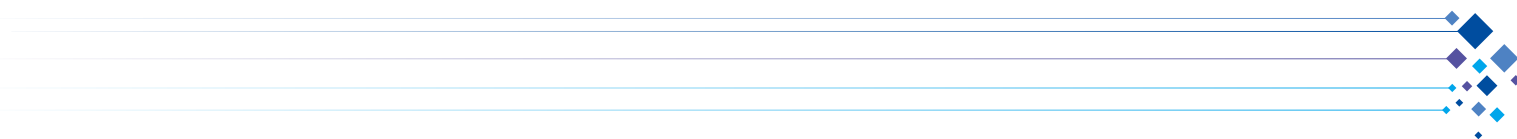
Grease

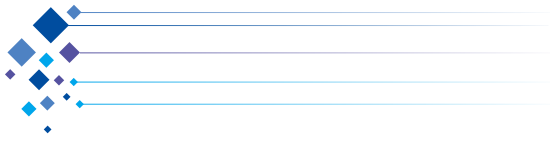
 **divyol**
solutions within solutions



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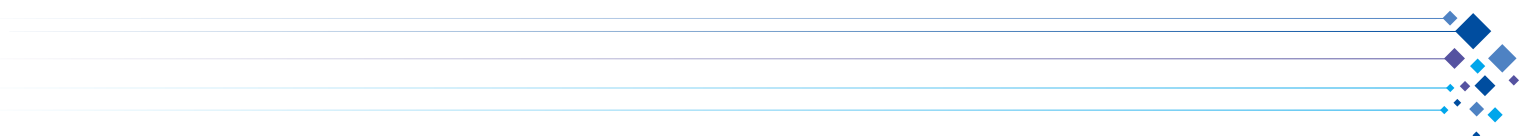
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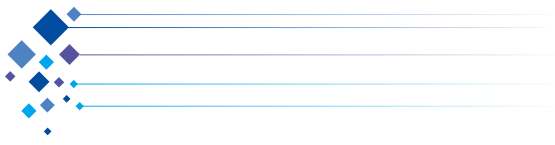




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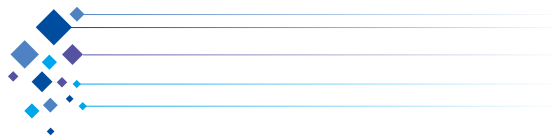


GREASES

Long-term lubrication

Grease is a lubricant composed of an oil thickened with a soap or thickener to a solid or semifluid consistency. It is widely used for lubrication of rolling-element bearings, gears, and many other tribo-components.





DIVYOL SGX 2 AND SGX 3 GREASE

Shuttering Grease

Applications

Divyol SGX 2 and 3 are calcium based multipurpose greases. These greases have excellent water resistant, anti-rust and anti-corrosive properties. They are recommended for general applications, where temperatures are moderate (below 70 °C). The grease acts as a protective layer on exposed parts and is specially recommended for general chassis lubrication including suspension and steering system. It is also suitable for certain open and semi-enclosed gears as well as chain drives of farm equipment. These greases find extensive usage for mould release in construction application where a thin layer of grease is applied on the inside of the construction mould of concrete. They are also used in paint booths where a particular job or section is to be prevented from spray painting.

Advantages

Divyol SGX grease provides excellent protection against rust and corrosion for all kinds of metal surfaces. They possess remarkable water resistance and water repellence properties. In construction application it ensures quick release from concrete mould. SGX-2 has a wide surface coverage area.

Typical Specifications

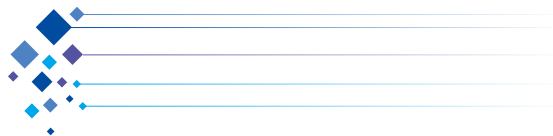
Sr. No.	Characteristics	SGX 2	SGX 3
1	Appearance	Light yellow, smooth and uniform	Light yellow, smooth and uniform
2	Soap	Calcium	Calcium
3	Base oil type	Mineral	Mineral
4	Unworked penetration at 25 ° C, 0.1 mm units, ASTM D 217	270	235
5	Worked penetration at 25 ° C after 60 strokes, 0.1 mm units, ASTM D 217	272	237
6	Drop point, °C, ASTM D 2265	105	106
7	Copper strip corrosion at 75°C, 3 hrs ,ASTM D 130	Negative	Negative
8	Oil separation % wt, (42H), max. IP 121	< 5	< 5
9	Free alkalinity, as calcium , % wt, max.	0.15	0.15
10	Free organic acidity, as oleic acid % wt, max.	0.15	0.15

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DIVYOL ACX 1000

Anti Seize Compound

Applications

Divyol ACX 1000 Anti-Seize Compound is a universal assembly compound formulated using blends of finely divided lubricants and metals in a special carrier. ACX 1000's inherent lubricant properties allow it to sustain high temperature and high load zones. It protects the parts from rust and corrosion in harsh environments and is most ideal for thread joints in all machinery that are often dismantled for cleaning, maintenance or other work issues. This grease prevents seizures at high temperature and reduces friction and wear in high pressure sliding surfaces. It is used in all thread joints that are part of the machinery and construction structures like rack pinions, pipe joints, gaskets, spline shafts, pivot joints, studs, sprockets, bolts, etc.

Specifications

Divyol ACX 1000 meets the breakaway torque requirements of MIL-A-907E.

Available Pack Sizes

18 kg, 180 kg.

Typical Specifications

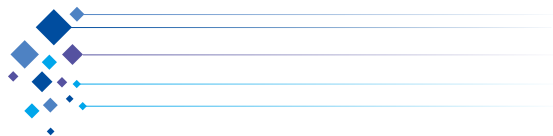
Sr. No.	Characteristics	ACX-1000
1	Appearance / Structure	Brownish, metallic
2	Base and carrier	Semi-synthetic
3	NLGI grade	2/1
4	Thickener	Clay
5	Operating temperature range, °C	-20 – +1200
6	Co-efficient of friction [μ], ASTM D 5707	0.06 – 0.08
7	Copper strip corrosion ASTM D 4048	<1 A
8	Opening torque 1 hr. at 600 °C, kg	8.5

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DIVYOL AP 3 GREASE (GT)

Calcium Grease – Gel Type

Applications

Divyol AP 3 grease GT is a calcium-based gel type multipurpose grease. This grease is recommended for general applications, where temperatures are moderate (below 70°C). It acts as a protective layer on exposed critical machine parts and is recommended for lubrication of wheel bearings, universal joints and chassis of the automotive vehicles.

Advantages

Divyol AP 3 grease GT provides excellent protection against rust and corrosion for all kind of metal surfaces. It has remarkable water resistant, anti-rust and anti-corrosion properties and clings to the bearing's surfaces.

Typical Specifications

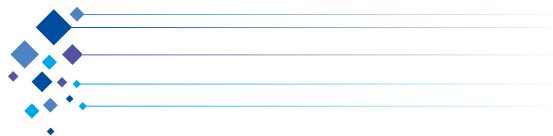
Sr. No.	Characteristics	AP-GREASE-GT
1	NLGI grade	3
2	Appearance / Structure	Shiny, buttery texture and tacky
3	Soap type	Calcium
4	Colour	Light yellow
5	Base oil type	Mineral
6	Worked penetration at 25°C, after 60 / 60 strokes, ASTM D 217	230 – 250
7	Drop point, °C, ASTM D 2265, min.	105
8	Copper strip corrosion, ASTM D 130	Negative

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DIVYOL CHASSIS GREASE

Applications

Divyol Chassis Grease is high performance calcium based grease formulated with high-grade base oils fortified with tackifier and other carefully selected performance additives to achieve superior lubrication results. It is recommended for automobile and construction equipment chassis, including universal joints, to provide superior lubrication and wear prevention. It can also be used in track rollers and idlers of certain crawler mounted tractors, open and semi enclosed gears, etc.

Advantages

Divyol Chassis Grease offers superior adhesion and protective layer to metal parts, especially exposed metal parts. It has excellent anti-rust properties and resistance to water wash-out.

Typical Specifications

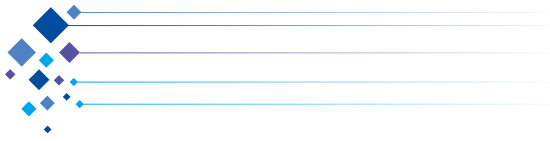
Sr. No.	Characteristics	Chassis Grease	
		2/1	3
1	NLGI grade	2/1	3
2	Appearance / Structure	Shiny and tacky	Shiny, buttery texture and tacky
3	Soap type	Calcium	Calcium
4	Colour	Greenish brown	Greenish brown
5	Base oil type	Mineral	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	290 – 310	220 – 250
7	Drop point, °C, ASTM D 2265, min.	90	90
8	Copper strip corrosion, ASTM D 130	Negative	Negative

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DIVYOL EPX 1 GREASE

Applications

Divyol extreme pressure greases are multifunctional extreme pressure lithium soap greases formulated with high viscosity index base oils and fortified with select extreme pressure additives for high load bearing capacity. They are recommended for gearboxes, heavily loaded anti-friction and plain bearing on industrial and automotive equipment.

Advantages

Divyol EPX and EX greases provide effective protection against corrosion and rust. They also ensure excellent oxidation, shear stability and water tolerance and have a wide operating temperature range from -10 °C to 130 °C.

Typical Specifications

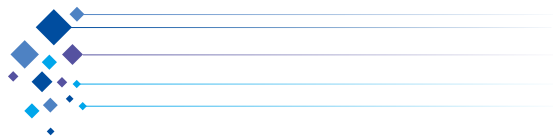
Sr. No.	Characteristics	Divyol EPX 1
1	NLGI grade	1
2	Texture	Smooth, buttery
3	Soap type	Lithium
4	Colour	Yellow / Amber
5	Drop point °C min. ASTM D 566	180
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	320 – 325
7	Copper strip corrosion at 100 °C ASTM D 4048	1B
8	Four ball weld load, kg ASTM D 2596	250
9	Four ball weld scar dia., mm ASTM 2266	0.5
10	Timken OK load lb ASTM D 2509	50

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DIVYOL EPX 2, 3 GREASE

Applications

Divyol Extreme pressure greases are multifunctional extreme pressure lithium soap greases formulated using high viscosity index base oils and fortified with premium extreme pressure additives for high load bearing capacity. They are recommended for gearboxes, heavily loaded anti-friction and plain bearing on industrial and off-highway equipment. They are also recommended for shock load and vibrating applications including pulveriser and various other crushing equipment.

Advantages

Divyol EPX greases provide excellent oxidation stability, shear stability and effective protection against rust and corrosion. They also possess excellent water tolerance properties and a wide operating temperature range from -10 °C to +130 °C.

Typical Specifications

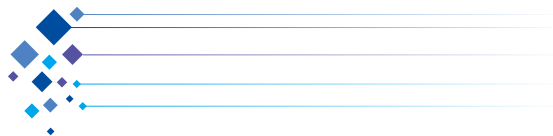
Sr. No.	Characteristics	NLGI grade	
		2	3
1	Texture	Smooth	Homogeneous
2	Colour	Pale yellow	
3	Soap type	Lithium	Lithium
4	Drop point °C min. ASTM D 566	190	190
5	Worked penetration at 25 °C 60 / 60 strokes ASTM D 217	265 – 295	220 – 250
6	Oxidation stability, drop in pressure after 100 hrs. at 100 °C, kg/cm ² ASTM D 942	0.6 max.	0.6 max.
7	Four ball weld load, kg min. ASTM D 2596	280	280
8	Water wash out, % loss at 80 °C max. ASTM D 1264	<7	<7
9	Emcor rust protection test, IP 220	0 – 0	0 – 0
10	Copper corrosion 24 hrs. 100 °C ASTM D 4048	1a	1a

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DIVYOL EPX 0 / 00 / 000 GREASE

Applications

Divyol EPX greases are semi-fluid lithium based greases having extreme pressure (EP) properties. These greases provide excellent protection against rust, corrosion and extreme pressure loads. These greases prevent welding and seizure of moving parts often caused by shock loading and they also resist water washout. EP grease-0, 00 and 000 are recommended for enclosed gears and bearings in poorly sealed gear cases. They can also be used in many other industrial applications where conventional gear oils cannot be retained in gear cases, chain cases, etc. because of leakage due to worn or missing seals. They have excellent low temperature pumpability and high temperature service life, and are hence suited for centralized lubrication systems.

Typical Specifications

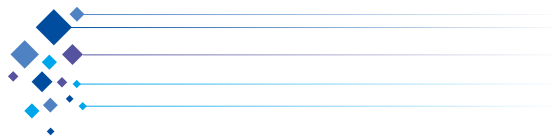
Sr. No.	Characteristics	EP - 0	EP - 00	EP - 000
	NLGI grade	0	0	0
1	Appearance / Structure	Semi-fluid and smooth	Semi-fluid and smooth	Semi-fluid and smooth
2	Soap Type	Lithium	Lithium	Lithium
3	Worked penetration at 25° (after 60 strokes), 0.1 mm units, ASTM D 217	370	415	455
4	Drop point, °C, ASTM D 2265	180	170	160
5	Copper strip corrosion, ASTM D 4048	1b	1b	1b
6	Four-ball weld load, kg, ASTM D 2596, min.	250	250	250
7	Four-ball wear scar diameter, ASTM D 2256, mm	0.48	0.48	0.48

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DIVYOL EPX (C) GREASE

Applications

Divyol Extreme pressure greases are multi-functional extreme pressure lithium soap greases formulated with high viscosity index base oils and fortified with carefully selected extreme pressure additives for high load bearing capacity. They are recommended for gearboxes, heavily loaded anti-friction and plain bearing on industrial and off-highway equipment. They are also recommended for shock load and vibrating applications including pulverizer and various other crushing equipment.

Advantages

Divyol Extreme pressure greases provide effective protection against rust and corrosion. They also ensure excellent oxidation and shear stability and have water tolerance properties with a wide operating temperature range from -10 °C to +130 °C.

Typical Specifications

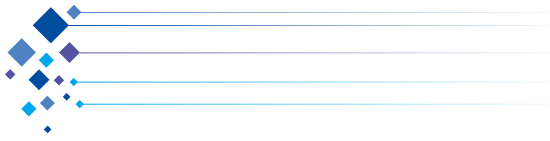
Sr. No.	NLGI grade	2	3
1	Texture	Smooth, homogeneous	Smooth, homogeneous
2	Colour	Dark brown	Dark brown
3	Soap type	Lithium	Lithium
4	Drop point °C min. ASTM D 566	190	190
5	Worked penetration at 25 °C 60 / 60 strokes ASTM D 217	265 – 295	220 – 250
6	Oxidation stability, drop in pressure		
7	After 100 hrs. at 100 °C, kg/cm ² ASTM D 942	0.6 max.	0.6 max.
8	Four ball weld load, kg min. ASTM D 2596	280	280
9	Water wash out, % loss at 80 °C max. ASTM D 1264	<7	<7
10	Emcor rust protection test, IP:220	0 – 0	0 – 0
11	Copper corrosion 24 hrs. 100 °C ASTM D 4048	1a	1a

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DIVYOL EPX 2, 3 (HD) GREASE

Descripton

Divyol Extreme Pressure HD greases are multifunctional extreme pressure lithium soap greases manufactured from high viscosity index base oils and fortified with carefully selected extreme pressure additives for high load bearing capacity. They are recommended for gearboxes, heavily loaded anti-friction and plain bearing on industrial and automotive equipment.

Advantages

Divyol Grease EPX – HD provides excellent oxidation stability and protection against rust and corrosion. They also ensure excellent shear stability and possess water tolerance properties.

Specifications

Divyol Grease EPX – HD meets IS 7623 grade 2 and 3 (EP type), IPSS1-09-005 specifications and have a wide operating temperature range from -10 °C to +130 °C.

Typical Specifications

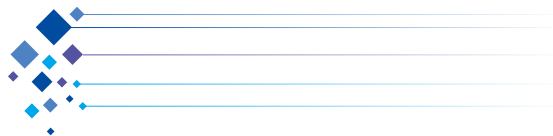
Sr. No.	NLGI grade	2	3
1	Texture	Smooth, homogeneous	Smooth, homogeneous
2	Colour	Amber	Amber
3	Soap type	Lithium	Lithium
4	Drop point °C min. ASTM D 566	195	198
5	Worked penetration at 25 °C 60 / 60 strokes ASTM	270 – 280	235 – 240
6	Oxidation stability, drop in pressure		
7	After 100 hrs. at 100°C, kg/cm ² ASTM D 942	0.5 max.	0.5 max.
8	Four ball weld load, kg ASTM D 2596	280	280
9	Wheel bearing test for 6 hrs., leakage gm, max. ASTM D 1263	<5	<5
10	Water wash out, % loss at 80 °C max. ASTM D 1264	7	6
11	Heat stability at 100 °C / 30 hrs., % loss max. ASTM D 6184	3	2.5
12	Emcor rust protection test, IP 220	0 – 0	0 – 0

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DIVYOL GRAPHITE GREASES

Applications

Divyol Graphite greases are calcium-based greases containing graphite as filler. They are used for general lubrication under comparative high load and low relative displacement of interacting surfaces. They are recommended for leaf springs, hydraulic ramps, plungers, slides, elevator in cables, pantograph pans, as protective of steel wire ropes and certain anti-seize purposes. They are extensively used in various applications of railways such as joints of coaches, tracks, shock absorber, leaf springs, etc.

Specifications

Graphite Grease-0 meets IS: 408-1981 (Reaffirmed in 1993) and Graphite Grease-1, 2 and 3 meet IS 508-1987 (Reaffirmed 2004) standards.

Typical Specifications

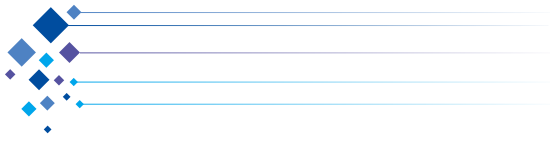
Sr. No.	Characteristics	Graphite Grease-0	Graphite Grease-1	Graphite Grease-2	Graphite Grease-3
1	IS standard	IS:408-1981	IS:508-1987	IS:508-1987	IS:508-1987
2	Appearance	Smooth, homogenous and dark gray	Smooth, homogenous and dark gray	Smooth, homogenous and dark gray	Smooth, homogenous and dark gray
3	Soap	Calcium	Calcium	Calcium	Calcium
4	Moisture and volatile matter, % by mass, max., P:61	1.0	-	-	-
5	Worked penetration at 25°C, after 60 strokes, 0.1 mm units, P:60	300 – 350	310 – 340	265 – 295	175 – 205
6	Drop point, °C, min. P:52	88	95	100	95
7	Ash, % by mass, max., P:4 (Method B1)	2.0	-	-	-
8	Copper strip corrosion at 75°C for 24 hrs., P:51	Negative	Negative	Negative	Negative
9	Resistance to breakdown at 75°C for 1 hr., Appendix B	Passes	-	-	-
10	Oil separation at 25°C for 168 hrs., % by mass, max., P: 85	5	-	-	-
11	Free organic acidity, as oleic acid, % by mass, max., P:53	-	0.5	0.5	0.5
12	Free alkalinity, as Ca (OH), % by mass, max., P:53	-	0.25	0.15	0.25
13	Low temperature pumping properties, Appendix A	-	-	Shall pass the test	-
14	Water content, % by mass, max., P:40	-	1.5	1.0	2.0

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DIVYOL MP 2, 3 GREASE

Applications

Divyol MP greases are lithium soap based high performance greases containing highly refined base oils and rust and oxidation inhibitors which make them suitable for a wide range of automotive and industrial applications. They are recommended for anti-friction and plain bearing operating under moderate temperature and service conditions. Also recommended for use in textile mills, process industry, heavy engineering, steel plants, chemical plant and all types of wheel bearings used in automobiles.

Specifications

Divyol MP greases conform to performance standards of IS:7623: 1993 (REAFIIRMED 2001), IPSS 1-09-006-97 and US STEEL 374.

Advantages

Divyol MP Greases blend includes a lithium soap thickener which ensures good mechanical stability, resistance to water wash-out, excellent oxidation stability and protection against rust and corrosion.

Typical Specifications

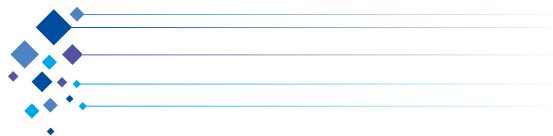
Sr. No.	Characteristics	NLGI grade	
		2	3
1	Appearance / Structure	Smooth and tacky	Smooth and tacky
2	Soap type	Lithium	Lithium
3	Colour	Light yellow	Light yellow
4	Base oil type	Mineral	Mineral
5	Worked penetration at 25°C, after 60 / 60 strokes, ASTM D 217	270 – 290	230 – 250
6	Drop point, °C, ASTM D 2265, min.	190	190
7	Rust test, ASTM D 1743	passes	passes
8	Copper strip corrosion, ASTM D 4048	1a	1a

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DIVYOL MPX 2, 3 GREASE

Applications

Divyol MPX Greases are lithium soap based premium quality greases recommended for a variety of automotive, agriculture, construction and industrial applications. They are also recommended for lubrication of wheel bearing, chassis, nipple steering linkages, universal joints, etc. They provide maximum protection by adhering well to the lubricated bearing surfaces, sealing them from dust, dirt and abrasive contaminants.

Advantages

Divyol MPX Greases provide excellent rust protection and oxidation stability which helps in extending the service life of the vehicle / machine. These oils also have very good stay put and water repellent properties as well as a wide operating temperature range from -10 °C to +120 °C

Typical Specifications

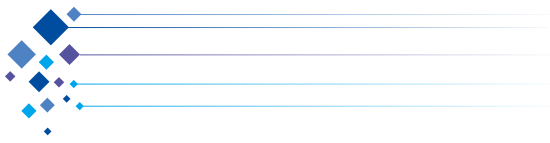
Sr. No.	Characteristics	NLGI grade	
		2	3
1	Texture	Smooth, homogeneous	Smooth, homogeneous
2	Colour brown	Light brown	Light brown
3	Soap type lithium	Lithium	Lithium
4	Drop point °C min. ASTM D 566	190	190
5	Worked penetration at 25 °C 60 / 60 strokes ASTM D 217	265 – 295	220 – 250
6	Copper strip corrosion at 100 °C, 24 hrs.	1b max.	1b max.
7	Penetration change after 1,00,000 units strokes, ASTM D 217	max. 25	max. 25
8	Four-ball weld load, ASTM D 2596, kg min.	190	190
9	Four-ball wear scar diameter, ASTM D 2596, mm	< 0.5	< 0.5
10	Roll stability at 82 °C for 96 hr, change in penetration % max. ASTM D1831 (modified)	20	20
11	Oxidation stability at 100 °C, pressure drop kg/cm ² after 100 hrs. psi max., ASTM D 942	<7.5	<7.5
12	Emcor rust protection test, IP 220	0,0	0,0

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DIVYOL TRAILER AXLE GREASE

Applications

Divyol Trailer Axle Grease is a high-performance Lithium Complex Grease for a wide range of applications. It is specially developed for anti-friction automotive bearings and disc drum brake wheel bearings of heavy-duty commercial vehicles like trailers, trucks, buses, tankers, highway transport vehicles in severe operating conditions.

Specifications

Divyol Trailer Axle Grease meets NLGI certification GC-LB performance standards.

Advantages

Divyol Trailer Axle Grease provides excellent mechanical and shear stability as well as superior protection against rust and corrosion even under wet conditions. These qualities help in reducing maintenance cost as well as increasing service life up to 120,000 kms.

Typical Specifications

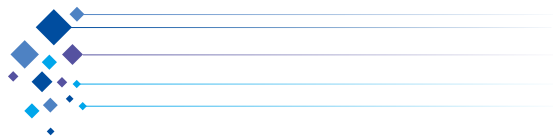
Sr. No.	Characteristics	Divyol Trailer Axle Grease
1	Appearance / Structure	Smooth and tacky
2	Soap type	Li-complex
3	Worked penetration at 25 °C, after 60 strokes, 0.1 mm units, ASTM D 217	235
4	Penetration change after 1,00,000 strokes, ASTM D 217	Shall not differ from worked 60 strokes by more than 10 units
5	Drop point, °C, ASTM D 2265, min.	270
		18
		220
6	Copper strip corrosion, ASTM D 4048	1a
7	Four-ball weld load, ASTM D 2596, kg	>350
8	Timken OK load, ASTM D 2509, kg	60
		< 3
9	Rust protection, distilled water washout, IP 220	0

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DIVYOL TRIBOROL HC GREASE

(Hammer / Chisel Grease)

Applications

Divyol HC Grease is an extreme pressure, high temperature paste fortified with a balanced blend of copper, molybdenum disulphide and graphite with high film strength base oil. It is designed to lubricate shaft, pins and bushings of pneumatic hydraulic hammers and breakers.

Advantages

Divyol HC Grease forms a plating-like layer thus preventing seizure and wear from vibratory loads. It ensures stable operations under harsh conditions of heat, chemicals, water, vibrations, etc. It has high film strength which prevents metal to metal contact and fretting corrosion. It reduces friction and wear caused by shock loading. Due to its solid lubricants content and high temperature thickener it stays in place i.e. will not slide down the shank of the tool during operation.

Caution

Do not use as a bearing grease.

Available Pack Sizes

18 kg, 180 kg.

Typical Specifications

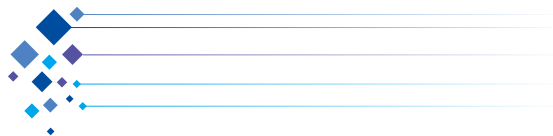
Sr. No.	Characteristics	HC2 Grease	HC 3 Grease
1	Appearance / Structure	Coppery anthracite	Coppery anthracite
2	NLGI grade	2	3
3	Thickener	Complex thickener	Complex thickener
4	Worked penetration at 25 ° C after 60 strokes, 0.1 mm units		240 – 260
5	Solid lubricants	MOS 2, graphite and copper	MOS 2, graphite and copper
6	Drop point, °C	>260	> 260
7	Operating temperature range °C	-20 – +1100	-20 – +1100

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DIVYOL TRIBOROL SMB SUPER GREASE

(Sugar Mill Bearing Grease)

Applications

Divyol Triborol SMB Super Grease is a metal complex soap grease blend comprising very high viscosity base oils and select high performance additives. This blend was specially formulated for the lubrication of journal bearings in sugar crushing mills, which need superior lubrication at all times because they are subject to extremely high loads.

Also this grease have excellent water washout property and easily pumpable through the centralized lubricating system.

Advantages

Divyol Triborol SMB Super Grease enhances the machine's high load bearing capacity enabling efficient performance even in harsh operating conditions. The blend possesses excellent water resistance, oxidation resistance, surface adhesion property and is easily pumpable through the centralised lubricating system. These properties help reduce maintenance cost and increase service life of the bearings.

Typical properties

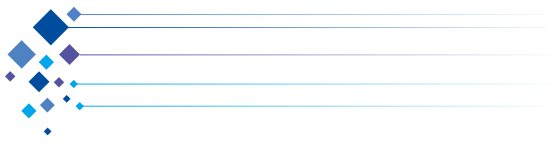
Sr. No.	Characteristics	Test method	SMB Super Grease
1	NLGI grade	–	1
2	Appearance / Structure	Visual	Homogenous and greyish black
3	Soap type	–	Metal complex soap
4	Worked penetration at 25 °C, after 60 strokes, 0.1 mm units	ASTM D 217	350 – 360
5	Drop point, °C	ASTM D 2265	185
6	Viscosity of base oil at 100 °C, cSt.	ASTM D 445	70 – 72
7	Copper strip corrosion, at 100 °C for 24 hrs.	ASTM D 4048	1a
8	Four-ball weld load, kg	ASTM D 2596	620
9	Four-ball wear scar diameter, mm	ASTM D 2266	0.6
10	Water washout at 79 °C, % wt	ASTM D 1264	< 3.5
11	EMCOR rust protection test	IP:220	0 – 0
12	Solid lubricants content, % wt.	ASTM D 128	10
13	Pumpability long distance	ASTM D 4684	Good

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DIVYOL TRIBOROL CS2 GREASE

Applications

Divyol Triborol CS grease is a high performance premium grade grease recommended for continuous castors, coupling and run out rolls in steel plants, wheel bearing and C.V. joints in automobiles, rock crushers and conveyors in mining and bearings and spindles in pulp & paper mills. It is also ideal for centralised lubrication system in heavy duty applications in steel plants where resistance to high temperature, high shock loading and water ingress are critical.

Specifications

Divyol Triborol CS grease is specially formulated with a calcium sulphonate thickener, select high performance additives and high viscosity index mineral oils.

Advantages

Divyol Triborol CS grease provides unmatched oxidation resistance, shear stability and resistance to water washout. This grease also has a very wide operational temperature range. All these benefits add up to extended relubrication intervals and enhanced load carrying capacity including shock loads due to higher base oil viscosity which in turn help extend service life.

Typical Specifications

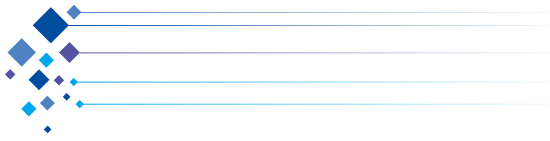
Sr. No.	Characteristics	Triborol CS GREASE
1	NLGI grade	2
2	Appearance / Structure	Smooth, homogenous, tacky
3	Colour	Brownish
4	Soap Type	Calcium sulphonate complex
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	265 – 295
7	Penetration change after 1,00,000 strokes, max. ASTM D 217	+/- 5 units
8	Drop point, °C, min., ASTM D 2265	300
9	Viscosity of the base oil at 40 °C, cSt, ASTM D 445	320
10	Copper strip corrosion, ASTM D 4048	1a
11	Four ball weld load, kg min. ASTM D 2596	400
12	Four ball wear scar diameter, mm ASTM 2256	0.6
13	Water wash out at 79 °C weight loss % max. ASTM D 1264	3
14	Timken ok load, lbs. min. ASTM D 2509	55

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DIVYOL TRIBOROL EPM2X GREASE

Applications

Divyol Triborol EPM2X is a high-pressure long-life grease for lubrication of points subjected to pressure or impacts even under outdoor exposure. This grease is fortified with solid lubricant Molybdenum disulphide and Mox-active to improve wear performance in metal-to-metal friction and slow to fast movements in roller bearing, plain bearings, slides guides, roller guides, ball and socket joints, splined shafts and threaded spindles. This grease is highly shear stable under high temperature and high loads with mix friction. This grease is widely used in glass foundries, shipbuilding, marine sector, rail vehicles, engineering, chemical and steel industries, etc.

Advantages

Divyol Triborol EPM2X is a specially formulated grease blend combining solid lubricants and Mox-active that provides better wear protection in mixed friction and high load conditions. It also ensures very good oxidation and water washout resistance, which in turn protects against corrosion and fretting corrosion.

Typical Specifications

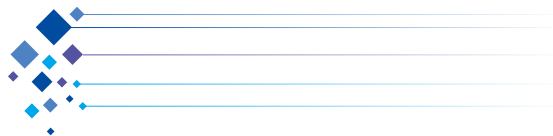
Sr. No.	Characteristics	Test Method	Divyol EPM2X
1	NLGI grade	-	2
2	Colour	Visual	Grey
3	Thickener type	-	Lithium hydroxystearate complex
4	Worked penetration at 25 °C, after 60 strokes	ASTM D 217	265 – 295
5	Penetration change after 1,00,000 strokes, 0.1 mm units	ASTM D 217	< 30
6	Drop point, °C.	ASTM D 2265	> 260
7	Four-ball weld load, kg	ASTM D 2596	360
8	EMCOR rust protection test	IP 220	0 – 0
9	Solid lubricants / Additives	ASTM D 128	MoS ₂ / Mox-active

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DIVYOL TRIBOROL RW GREASE

(Wire Rope Grease)

Applications

Divyol Triborol RW is a semi-fluid premium quality grease based on highly refined mineral oil and clay thickener. This highly water-resistant blend is recommended for wire-ropes in automotive and construction applications, especially in coastal environments and even underwater.

Advantages

Divyol Triborol RW is a unique blend of lubricating solids which reduces internal friction and wear often encountered in multi-strand wire ropes. It forms a thin non-tacky film which prevents buildup of dust and dirt; and is sufficiently fluid enough to penetrate through the strands to the core of the rope. It has excellent lubrication and water-resistance properties that reduce wear on the wires and protect against corrosion even in salt-water environments and underwater, thus maximizing the service life of the rope.

Typical Characteristics

Divyol Triborol RW can be applied by using a brush, swab or automatic lubricator. The minimum application temperature for this Wire Rope Grease is 0 °C. For best results always, apply Triborol RW Wire Rope Grease to clean, dry ropes. Approximate rope coverage of Triborol RW00 grease, based on a 25mm diameter rope, is 50m/kg.

Typical Specifications

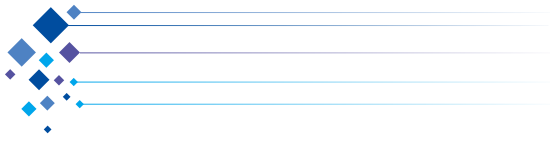
Sr. No.	Characteristics	Triborol WR Grease	
		2	3
1	NLGI grade		
2	Appearance / Structure	Smooth, homogenous, tacky	Smooth, homogenous, tacky
3	Soap type	Lithium calcium	Lithium calcium
4	Colour	Beige brown	Beige brown
5	Base oil type	Mineral	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	270 – 290	270 – 290
7	Drop point, °C, ASTM D 2265, min.	190	190
9	Four ball weld load kg min. ASTM D 2596	280	280
10	Emcor rust protection test, IP:220	00	00

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DIVYOL TRIBOROL EP2X BB GREASE

(Steel Mill Grease)

Applications

Divyol Triborol EP2X BB are lithium-based, multipurpose, extreme pressure industrial greases. They are recommended for heavy-duty plain and anti-friction bearings in a wide range of applications in steel plants, paper mills, heavy engineering, textile mills, mining, quarrying, construction and general industrial machinery.

Specifications

Divyol Triborol EP2X BB Greases meet OEM performance standards as per U.S. Steel-374 and British Timken for steel mill applications.

Advantages

Divyol Triborol EP2X BB Greases provide excellent shear stability and high oxidation stability and enhance high load carrying capacity. They ensure superior surface adhesion and protection against rust, corrosion and wear. They also prevent welding and seizure of moving parts often caused by shock loading and water washout.

Typical Specifications

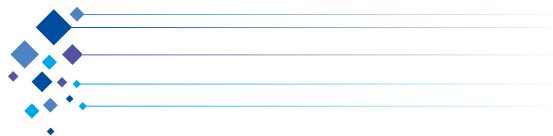
Sr. No.	Characteristics	Test Method	Divyol Triborol EPX-BB Grease		
			1	2	3
1	NLGI grade	-	1	2	3
2	Appearance / Structure	Visual	Brownish, smooth, buttery		
3	Thickener type	-	Lithium	Lithium	Lithium
4	Worked penetration at 25 °C, after 60 strokes	ASTM D 217	320	280	240
5	Drop point, °C.	ASTM D 2265	190	195	195
6	Four-ball weld load, kg	ASTM D 2596	280	280	280
7	Copper strip corrosion at 100 °C for 24 hrs.	ASTM D 4048	1b	1b	1b

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DIVYOL TRIBOROL LC (HD) GREASE

Applications

Divyol Triborol LC (HD) greases are high performance premium lithium complex greases specially formulated for a wide variety of applications under severe operating conditions. They are mainly recommended for applications in kiln car rollers, hot air fan bearings, electric motor bearings, especially sleeve ring applications in sponge iron kilns and coolers. Divyol Triborol LC (HD) are also suitable for various wheel bearing applications in passenger vehicles, light commercial vehicles and moderate to heavy duty trucks. These greases are also very effective lubricants for plain and anti friction bearings in earth-moving equipment, gear couplings, mining equipment, etc.

Advantages

Divyol Triborol LC (HD) greases contain a complex thickener which retains its structure even at high temperatures and high loads, thereby reducing leakage. It also enhances component life with extension of re-lubrication intervals. They not only possess excellent shear stability, high load carrying capacity and good surface adhesion, but are also highly resistant to cold and hot water, heat, dust, rust, corrosion and oxidation with their very wide operational temperature range.

Typical characteristics

The above given are typical figures with normal production tolerance.

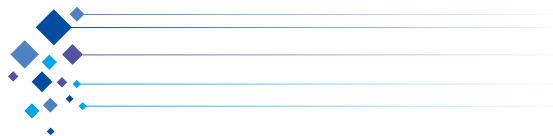
Sr. No.	Characteristics	Triborol LC (HD) Grease	
		2	3
1	NLGI grade		
2	Appearance / Structure	Smooth, homogenous, tacky	Smooth, homogenous, tacky
3	Colour	Amber	Amber
4	Soap type	Lithium complex	Lithium complex
5	Base oil type	Mineral	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	275	235
7	Drop point, °C, ASTM D 2265, min.	270	270
8	Copper strip corrosion, ASTM D 4048	1a	1a
9	Four ball weld load kg min. ASTM D 2596	315	315
10	Emcor rust protection test, IP 220	0 – 0	0 – 0

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DIVYOL TRIBOROL HT2X GREASE

Applications

Divyol Triborol HT2X grease is formulated with highly refined high viscosity index base oils with a high-quality inorganic thickener and extreme pressure (EP) additives for the lubrication of industrial equipment operating under heavy loads at high temperatures and/or slow speed. It is recommended for the lubrication of industrial ball and roller bearings in high temperature applications, high temperature conveyor bearings, kiln car wheel bearings, Banbury mixers and drying oven. It is also suitable for use in heavily loaded, medium to large, slow speed bearings commonly found in kilns, steel mills, aluminium, glass and rubber factories.

Advantages

Divyol Triborol HT2X grease provides satisfactory lubrication beyond the temperature range that ordinary soap thickener or complex soap thickener cannot stand. It can be used at continuous temperatures -10 to 170 °C. It consists of a non-melt clay thickener and ensures excellent resistance to changes in consistency at high temperatures. It also has good EP and shear stability as well as mechanical and storage stability. With its high film strength, it adheres to metallic surfaces, resists water washout and protects against wear.

Typical Specifications

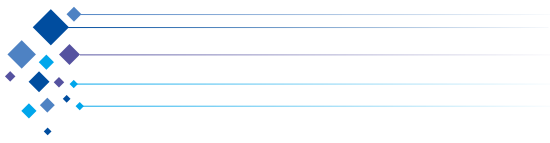
Sr. No.	Properties	Ht2x Grease
1	NLGI grade	2
2	Appearance / Structure	Smooth and semi transparent
3	Soap type	Clay
4	Colour	Amber
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	270 – 280
7	Drop point, °C	Non-melt
8	Copper strip corrosion, ASTM D 4048	1a
9	Four ball weld load, ASTM D 2596, kg	315

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DIVYOL TRIBOROL HT2X-MOLY

Applications

Divyol Triborol HT2X Moly is a high temperature grease made with a non-soap thickener with molybdenum disulphide and a heavy paraffinic base oil specially developed for heavy duty industrial equipment with slow speed plain bearings where the capability of conventional greases may be exceeded by either continuous high temperature or cyclic conditions from normal to extremely high temperatures. It is recommended for the lubrication of plain and anti-friction bearings operating continuously in high temperature conditions where bearings are repeatedly cycled from ambient to high temperatures. It is also recommended for kiln car wheel bearings, sugar mill bearings, open gears, cement mill journal bearings, furnace door bearings, continuous caster bearings in steel mills, oven and slow speed cams, ways and other sliding machine elements, etc.

Advantages

Divyol HT2X Moly grease ensures high temperature protection such as resistance to changes in structure and consistency despite varying temperature conditions. Its solid lubricant properties significantly reduce friction. It also controls oxidation, provides excellent resistance to water and steam, vibrations and shock loads. These qualities help extend service life of the machine.

Typical Specifications

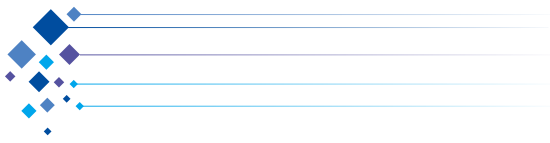
Sr. No.	Properties	Divyol HT2X-Moly Grease
1	NLGI grade	2
2	Appearance / Structure	Smooth and greyish black
3	Soap type	Clay
4	Colour	Light yellow
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60/60 strokes, ASTM D 217	270 – 280
7	Drop point, °C	Non-melt
8	Copper strip corrosion, ASTM D 4048	1a
9	Four ball weld load, ASTM D 2596, kg	315
10	MoS ₂ /solid content, ASTM D 128, % wt	3

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Handling, Health & safety: As with all the products, please take care to avoid environmental contamination when disposing of this product. Do not dispose the used oil to soil, drains and water. Avoid contact with skin and eyes. After skin contact wash with soap and water. This product should not cause any health problems when used in the applications suggested and the guidance provided in the safety data sheet (SDS) is followed.





DIVYOL TRIBOROL LC GREASE

Applications

Divyol Triborol LC greases provide excellent performance antifriction bearings in automotive, industrial and construction applications due to higher drop point and higher mechanical stability under high temperature conditions. These greases are mainly recommended for applications in kiln car rollers, hot air fan bearings and electric motor bearings, as also for sleeve ring applications in sponge Iron kilns and coolers. They are widely used for various wheel bearing applications in passenger vehicles, light commercial vehicles and moderate to heavy duty trucks. In off-highway applications too, they make excellent lubricants for plain and anti friction bearings in earth-moving equipment, gear couplings, mining equipment, etc.

Advantages

Divyol Triborol LC greases suit a wide variety of applications working under severe operating conditions. The blend of these greases contains a complex thickener which enables it to retain its structure even at high temperatures and high load conditions. The wide range of operational temperatures makes them highly resistant to cold and hot water, water washout, heat, dust, rust, corrosion and oxidation. It also reduces leakages as well as extends service life of components and re-lubrication intervals. These greases also possess excellent shear stability and surface adhesion.

Typical Specifications

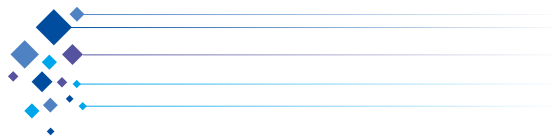
Sr. No.	Properties	Triborol LC Grease		
		1	2	3
1	NLGI grade	1	2	3
2	Appearance/Structure	Smooth, homogenous, tacky	Smooth, homogenous, tacky	Smooth, homogenous, tacky
3	Colour	Amber	Amber	Amber
4	Soap type	Lithium complex	Lithium complex	Lithium complex
5	Base oil type	Mineral	Mineral	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	310 – 320	275 – 290	230 – 250
7	Drop point, °C, ASTM D 2265, min.	265	265	265
8	Viscosity of the base oil at 40 °C, cSt, ASTM D 445	220 – 320	220 – 320	220 – 320
9	Copper strip corrosion, ASTM D 4048	1a	1a	1a
10	Four ball weld load kg min. ASTM D 2596	280	280	280
11	Timken ok load, lbs. min. ASTM D 2509	50	50	50

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DIVYOL TRIBOROL PD GREASE

Applications

Divyol PD series greases are lithium-based greases fortified with multi-pole molecule Nano technology which reduces friction drastically in rubbing surfaces. Nano tech multiple molecules form a protective layer on the metal surfaces for optimum wear protection and an extremely low coefficient of friction even under extreme of pressure, vibration, shock loads at high or low speeds of the friction surfaces. The infusion of nano particles in the grease results in equalization of surface roughness without creating abrasion. A hydrodynamic lubrication film is maintained to achieve non-sacrificial micro-smoothing of the frictional surfaces. In smoothing the working surfaces, the loads are distributed over increased surface area.

Advantages

Divyol PD series greases form a protective layer on metal surfaces to reduce friction drastically on the metal surfaces. It repairs damage from friction of surfaces due to nano particles, has exceptional water-resistance – the coated film stays on the surface even in the presence of water. These qualities result in energy saving, reduction in noise levels and enhanced high load bearing capacity.

Typical properties

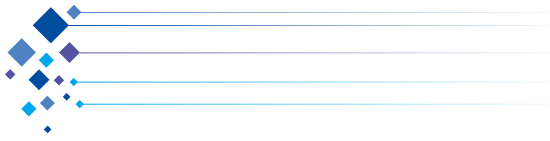
Sr. No.	Properties	Test method	Triborol PD Grease			
			0	00	000	PD – 2
1	NLGI grade		0	00	000	PD – 2
2	Appearance / Structure		Semi-fluid and smooth	Semi-fluid and smooth	Semi-fluid and smooth	Smooth and buttery
3	Soap type		Lithium	Lithium	Lithium	Lithium
4	Worked penetration at 25 °C, after 60 strokes, 0.1 mm units	ASTM D 217	370	415	455	275
5	Drop point, °C	ASTM D 2265	180	170	160	200
6	Viscosity of base oil at 40 °C, cSt	ASTM D 445	150	150	150	130
7	Four-ball wear scar diameter	ASTM D 2256	0.28	0.28	0.28	0.42
8	Water washout, 79 °C, % wt.	ASTM D 1264	< 4	< 4	< 4	< 4

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DIVYOL TRIBOROL SS GREASE

Applications

Divyol Triborol SS is a lithium complex soap grease specially formulated for use in centralized grease station of steel plants, mining, engineering applications and rolling mills.

Advantages

Divyol Triborol SS grease consists of high viscosity base oil and high-performance additives that enhance sealing effect and film forming capability along with shear and mechanical stability. This grease can withstand high temperatures up to 160 °C and increase load-handling capacity with very good extreme pressure resistance to minimize friction and wear of expensive slip ring segments. It also has good pumping ability through central lubrication systems. Its superior adherence to base metal results in extended re-lubrication periods, which in turn ensures very good protection against corrosion and water washout.

Typical Specifications

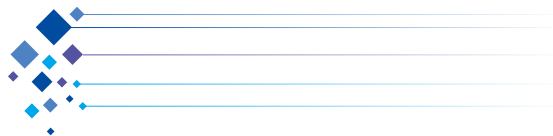
Sr. No.	Properties	Triborol SS - 680
1	Colour	Amber
2	NLGI grade	# 2/1
3	Thickener soap	Lithium complex soap
4	Worked penetration at 25 °C, after 60 strokes, 0.1 mm units, ASTM D 217	300
5	Water washout at 79 °C, ASTM D 1264, % wt	<5
6	Drop point, °C, ASTM D 2265, min.	260
7	Copper strip corrosion, ASTM D 4048	1a
8	Four-ball weld load, ASTM D 2596, kg	> 315

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DIVYOL TRIBOROL WR GREASE (Wire Rope Grease)

Applications

This is a semi-fluid grease based on highly refined mineral oil and clay thickener. The unique blend of lubricating solids contained in WR Grease reduces the internal friction and wear often encountered in multi-strand wire ropes. It is highly resistant to water and provides excellent corrosion protection making it suitable for use in salt water environments even under water. It can be applied by using a brush, swab or automatic lubricator. The minimum application temperature for WR Grease Wire Rope Grease is 0°C. For best results always apply Wire Rope Grease to clean, dry ropes. Approximate rope coverage, based on a 25mm diameter rope, is 50 metres per kg.

Advantages

- Sufficiently fluid enough to penetrate through the strands to the core of the rope whilst being sufficiently greasy to resist fling off.
- Excellent lubrication properties which reduce wear on the wires hence maximizing the service life of the rope.
- Outstanding resistant to water wash-off and offers outstanding corrosion protection.
- A thin, non-tacky film which prevents the build-up of dust and dirt on the wire rope.

Pack Sizes

18 kg, 180 kg.

Typical Specifications

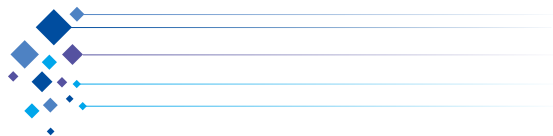
Sr. No.	Properties	Test Method	WR Grease
1	NLGI grade	-	0
2	Appearance/Structure	Visual	Grayish Black
3	Soap Type	-	Clay
4	Base Fluid Type	-	Highly Refined Mineral Oil
5	Worked penetration at 25 °C, after 60 strokes, 0.1mm units.	ASTM D217	420
6	Drop point, °C	ASTM D2265	-
7	Viscosity of Base Oil at 40°C, cSt.	ASTM D445	460
8	Four-Ball Weld Load, Kg.	ASTM D2596	315
9	Four-Ball Wear Scar Diameter, mm.	ASTM D2266	0.48
10	Water Washout at 79°C, % wt.	ASTM D1264	5
11	MoS ₂ / Solid Content, % wt., Min.	ASTM D128	3-5

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DIVYOL WBX GREASE

Applications

Divyol Wheel Bearing Grease (WBX) is premium quality sodium soap based grease with fibrous structure, high shear stability and excellent adhesion to metal bearing surfaces. It is fortified with oxidation and corrosion inhibitors. Divyol WBX is recommended for all automotive applications such as automotive wheel bearing, universal joints, axle journal boxes and other automotive components which are not exposed to moisture. It is also used in stone crushing machinery and ginning mills.

Specifications

Divyol Wheel Bearing Grease (WBX) exceeds the standards of IS: 10647-1983 specification (Re-affirmed 2004).

Pack Sizes

18 kg, 180 kg.

Advantages

Divyol Wheel Bearing Grease (WBX) withstands excessive churning and ensures trouble-free performance. It also provides effective protection against rust and corrosion, thus increasing the service life of the components.

Typical Specifications

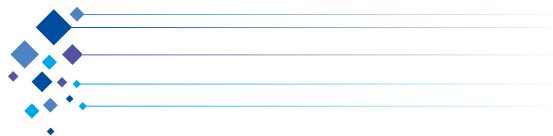
Sr. No.	Properties	Divyol WBX Grease
1	Colour	Dark greenish brown
2	Appearance	Fibrous, tacky
3	Soap	Sodium
4	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	240 – 260
5	Drop point, °C, ASTM D 2265, min.	185
6	Base oil viscosity at 100 °C, est. ASTM D 445	14 – 16
7	Copper strip corrosion ASTM D 4048	<1b
8	Tilted wheel bearing test; leakage, max.	5
9	Slump test	Passes
10	Heat stability at 100 °C for 30 hrs., % wt, oil separated, max.	7

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DIVYOL X-CRUSH GREASE

Applications

Divyol X-Crush Grease is lithium soap based grease which consists of high viscosity Index base oils fortified with extreme pressure (EP) additives for enhanced load carrying capacity. This grease is specially formulated for pulverisers and various other crushing equipments.

Advantages

Divyol X-Crush Grease possesses excellent shear stability under heavy duty service and extreme pressure conditions. It also has superior water tolerance properties.

Typical Specifications

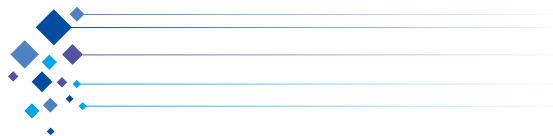
Sr. No.	Properties	X-Crush
1	Appearance / Structure	Smooth, homogenous, tacky
2	Colour	Brownish black
3	Soap type	Lithium
4	Base oil type	Mineral
5	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	235
6	Penetration change after 1,00,000 strokes, max. ASTM D 217	+/- 25 units
7	Drop point, °C, ASTM D 2265, min.	195
8	Four-ball weld load kg min. ASTM D 2596	220 – 230
9	Copper strip corrosion, ASTM D 4048	1 b

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DIVYOL XL-BLUE GREASE

Applications

Divyol XL-Blue is high performance premium lithium complex grease designed for use in automotive wheel bearings in heavy duty vehicles operating in varied harsh environments and conditions. The blend ensures excellent antifriction performance in bearings in automotive, industrial and construction applications due to higher drop point and higher mechanical stability under high temperature. Divyol XL-Blue grease is ideal for both conventional and multi-axle buses and trucks, off highway mining and construction equipment, including dump truckers, tippers, etc. It is also recommended for various wheel bearing applications in passenger vehicles, light and medium commercial vehicles.

Advantages

Divyol XL-Blue grease's thickener enables it to retain its structure even at high temperatures and high loads, thereby reducing leakage as well as enhancing component life with extended re-lubrication intervals. Besides enhancing heavy load carrying capacity, the blend also has excellent shear stability and surface adhesion. Its very wide operational temperature range also makes it highly resistant to cold and hot water, heat, dust, rust, corrosion and oxidation.

Typical Specifications

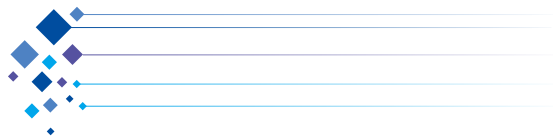
Sr. No.	Properties	Divyol XL-Blue Grease
1	NLGI grade	2 / 3
2	Appearance/Structure	Smooth, homogenous, tacky
3	Colour	Blue
4	Soap type	Metal complex
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	240 – 260
7	Penetration change after 1,00,000 strokes, max. ASTM D 217	+/- 20 units
8	Drop point, °C, ASTM D 2265, min.	270
9	Copper strip corrosion, , ASTM D 4048	1a
10	Four-ball weld load kg min. ASTM D 2596	>280
11	Emcor Rust protection test, IP:220	0/0

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DIVYOL GREASE BX-222

Applications

Divyol BX-222 Grease is a premium lithium complex extreme pressure (EP) grease developed for a wide range of applications including automotive, construction, agriculture and the marine sector. It is specially formulated for use on bearings and slides, in steel mills, paper, cement and glass factories. It is most suitable for centralised greasing system as also for marine, construction and farm equipment. Its performance features make it an ideal choice for severe operating conditions such as high temperature, water contamination, shock loading and extended relubrication.

Advantages

Divyol BX-222 Grease has been so designed that it provides excellent high temperature performance with excellent adhesion, mechanical and shear stability along with superior resistance to water. Also it offers excellent protection against wear, corrosion, rust and oxidation.

Typical Specifications

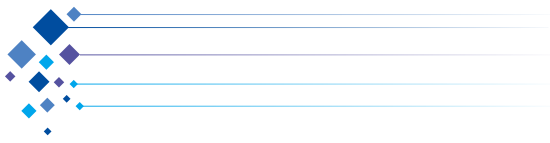
Sr. No.	Properties	DIVYOL BX 222
1	NLGI grade	2
2	Appearance / Structure	Smooth, homogenous, tacky
3	Colour	Dark blue
4	Soap type	Lithium complex
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	270
7	Penetration change after 100,000 strokes, max. ASTM D 217	18 units
8	Drop point, °C, ASTM D 2265, min.	270
9	Four ball weld load kg min., IP 239	320
10	Copper strip corrosion, ASTM D 4048	1a
11	EMCOR rust protection test, IP 220	0

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DIVYOL TRIBOROL HT2-M GREASE

Applications

Divyol Triborol HT2-M is a high performance Moly grease formulated with high quality viscous base oils, a special polymer and metal complex thickener. It is recommended for the lubrication of wheel bearings, heavily loaded bucket pins, pivot pins of construction, mining and heavy mobile equipment including constant-velocity joints, universal joints, etc. This grease can also be used in heavily loaded plain and rolling element bearings in industrial application where there is a need for high temperature, extreme pressure grease with 3% MoS₂.

Specifications

Divyol Triborol HT2-M grease contains 3% Molybdenum disulphide, extreme pressure and anti-wear additives, tackifier as well as rust and oxidation inhibitors. This heavy-duty grease provides excellent corrosion and wear protection as well as high resistance to water washout in equipment operating under heavy shock loading and wet conditions.

Advantages

Divyol Triborol HT2-M grease ensures excellent high temperature performance and shock load resistance. It also has very good film strength for anti-wear and anti-rust properties providing outstanding mechanical and oxidation stability.

Typical Specifications

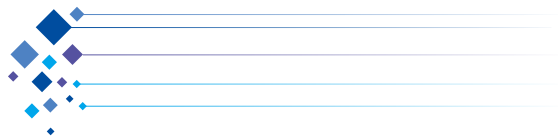
Sr. No.	Properties	Divyol Triborol HT2-M
1	NLGI grade	2
2	Appearance / Structure	Smooth and tacky
3	Soap type	Metal complex
4	Colour	Grey
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	270 - 280
7	Drop point, °C	260
8	Copper strip corrosion, ASTM D 4048	1a
9	Four ball weld load, ASTM D 2596, kg	350
10	Timken Ok load, kg, ASTM D 2509	50
11	EMCOR rust protection test, IP 220	0 - 0
12	Solid lubricants and additives	MoS ₂ / Mox Active

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DIVYOL X-RED GREASE

(Long Life)

Applications

Divyol XL-Red is high performance long life lithium grease, fortified with select additives and high quality base oil in a unique combination that keeps wheel bearings lubricated for longer durations. It is recommended for lubrication of wheel bearings in all types of vehicles including heavy trucks, trailers, etc. especially those operating in harsh Indian weather and road conditions. It is also suggested for industrial applications operating in high loads and temperatures.

Advantages

Divyol XL-Red grease ensures good surface adhesion, thus providing lubrication and protection from any damage for a longer period. With its higher drop point, it is well suited to lubricate components efficiently even under high temperature conditions. Its excellent oxidation and thermal stability enable wheel bearings of vehicles to perform efficiently in such conditions. It also enhances load bearing ability making it suitable for hub greasing of heavy trucks, trailers, etc. These benefits add up into effective protection against rust, longer greasing intervals (compared to conventional greases) and therefore longer service life of the bearings.

Typical Specifications

Sr. No.	Properties	LL60K X-RED Gel Grease
1	NLGI grade	3
2	Appearance / Structure	Smooth, homogeneous, mildly tacky
3	Soap type	Lithium
4	Colour	Red
5	Base oil type	Mineral
6	Worked penetration at 25 °C, after 60 / 60 strokes, ASTM D 217	235
7	Penetration change after 1,00,000 strokes, max. ASTM D 217	+/- 20 units
8	Drop point, °C, ASTM D 2265, min.	200
9	Copper strip corrosion, ASTM D 4048	1a
10	Four ball weld load, ASTM D 2596	250
11	EMCOR rust protection test, IP 220	0 – 0

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Gandhar Oil Refinery (India) Limited

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