

Molylube 5% Moly Extreme Pressure Grease LC

Molylube 5% Moly Extreme Pressure Grease LC is a lithium complex grease fortified with exceptional Extreme Pressure properties and 5% moly as required by many off-highway equipment manufacturers. The inherent properties of the lithium complex thickener and the proprietary chemical system utilized in Molylube 5% Moly Extreme Pressure Grease LC yield a grease with exceptional mechanical and thermal stability, excellent anti-wear and Extreme Pressure properties, unsurpassed rust and corrosion protection and resistance to water washout. Molylube 5% Moly Extreme Pressure Grease LC is an excellent choice of grease for general chassis lubrication of off-highway equipment including haul trucks, loaders, dozers and other mobile equipment.

APPLICATIONS

- Manual or automatic lubrication of rolling stock chassis, articulated joints and run-of-the-mine vehicles
- Dragline and shovel main machinery bearings, crawler pins and bushings, bucket pins
- Process machinery and general plant lubrication, low to medium speed anti-friction bearings, plain bearings

PRODUCT FEATURES

- Water resistance
- Rust and corrosion protection
- Extreme Pressure and anti-wear properties
- 5% Molybdenum Disulfide

BENEFITS

- Maximizes bearing retention in wet environments.
- Eliminates rust and corrosion damage to bearings operating in harsh environments.
- Maximizes component useful life helping to reduce replacement part costs and lost production time.
- “Moly” powder at an effective level recommended by many off-highway equipment OEMs.

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TECHNICAL DATA SHEET



Typical Physical Properties			
Property	Test Method	1	2
Worked Penetration	ASTM D217	325	280
NLGI Grade		1	2
Thickener Type		Lithium Complex	Lithium Complex
Viscosity @ 40°C, cSt	ASTM D445	220	460
Viscosity @ 100°C, cSt	ASTM D445	15.4	27.5
Dropping Point, °C (°F)	ASTM D2265	211 (412)	228 (442)
Copper Strip Corrosion	ASTM D4048	1B	1B
Lubricating Solids		MoS ₂	MoS ₂
4-Ball EP Test, Weld Load, kg	ASTM D2596	800	800
4-Ball EP Test, Load Wear Index	ASTM D2596	92	92
4-Ball Wear Scar Diameter, mm	ASTM D4172	0.45	0.45
Pumpability, Lincoln Ventmeter	US Steel	-10°C < 30 Sec	0°C < 30 Sec
Rust Protection	ASTM D1743	Pass	Pass
EMCOR Rust Protection	ASTM D6138	0, 0	0, 0
Useful Temperature Range, °C (°F)		-28 to 177 (-18 to 350)	-20 to 177 (-4 to 350)
Color		Gray	Gray

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