



Molyube 3% Moly Extreme Pressure Grease LC

Molyube 3% Moly Extreme Pressure Grease LC is a high performance, lithium complex grease containing 3% molybdenum disulfide as required by many off-highway equipment OEMs. The inherent properties of the lithium complex thickener and the proprietary chemical system utilized in Molyube 3% 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.

APPLICATIONS

- 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
- Manual or automatic lubrication of rolling stock chassis, articulated joints and run-of-the-mine vehicles

PRODUCT FEATURES

- Water resistance
- Rust and corrosion protection
- Anti-wear and Extreme Pressure properties
- 3% Molybdenum Disulfide
- Mechanical and thermal stability

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 most off-highway equipment OEMs.
- Exceptional mechanical stability and high dropping point surpass most competitive high-performance greases.

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Calumet Branded Products, LLC
2780 Waterfront Pkwy. E. Dr., Suite 200
Indianapolis, IN 46214
Technical Services: 317-328-5660
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11/24/2021



Typical Physical Properties				
Property	Test Method	0	1	2
Worked Penetration	ASTM D217	370	325	280
NLGI Grade		0	1	2
Thickener Type		Lithium Complex	Lithium Complex	Lithium Complex
Viscosity @ 40°C, cSt	ASTM D445	150	220	220
Viscosity @ 100°C, cSt	ASTM D445	13.5	15.4	15.4
Dropping Point, °C (°F)	ASTM D2265	206 (403)	211 (412)	221 (430)
Copper Corrosion, 24hr @ 100°C	ASTM D4088	1B	1B	1B
Water Washout, %	ASTM D1264	9.5	3.7	2.2
Lubricating Solids Type		MoS ₂	MoS ₂	MoS ₂
Lubricating Solids, weight %		3	3	3
4-Ball EP Test, Weld Load, kg	ASTM D2596	800	800	800
4-Ball EP Test, Load Wear Index	ASTM D2596	133	133	133
4-Ball Wear Scar Diameter, mm	ASTM D4172	0.57	0.55	0.57
Pumpability, Lincoln Ventmeter	US Steel	-18°C<30 Sec.	-10°C<30 Sec	0°C<30 Sec
Rust Protection	ASTM D1743	Pass	Pass	Pass
EMCOR Rust Protection	ASTM D6138	0, 0	0, 0	0, 0
Useful Temperature Range, °C (°F)		-34 to 150 (-29 to 302)	-28 to 177 (-18 to 350)	-20 to 177 (-4 to 350)
Color		Gray	Gray	Gray

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