



## Molylube® 5% Moly Extreme Pressure Grease LC

### PRODUCT DESCRIPTION

Bel-Ray® 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.

### 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.

### 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 bearing

**DISTRIBUTED BY:**  
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## PRODUCT DATA

Typical Properties			
Property	Test Method	NLGI Grade 1	NLGI Grade 2
Thickener Type		Lithium Complex	Lithium Complex
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325	280
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	220.0	460.0
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	15.4	27.5
Dropping Point, °C (°F)	ASTM D2265	211 (412)	228 (442)
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D4048	1b	1b
Lubricating Solids Type		MoS <sub>2</sub>	MoS <sub>2</sub>
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	800	800
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2596	92	92
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.45	0.45
Pumpability, Lincoln Ventmeter, from 1800 psi		-10°C <30 Sec.	0°C <30 Sec.
Corrosion Preventive Properties	ASTM D1743	Pass	Pass
EMCOR Rust Protection, rating, Distilled Water	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

## HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at [www.belray.com](http://www.belray.com)

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