

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:

Calumet Branded Products, LLC
1060 N Capitol Ave
Suite 6-401
Indianapolis, IN 46204
Technical Services: 317-328-5660
www.belray.com

To the best of our knowledge, the information contained herein is accurate, but is given without warranty or guarantee. We assume no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the name in use and whether there is any infringement of patents is the sole responsibility of the user.

All trademarks are owned by one or more affiliates within the Calumet, Inc. organization, unless otherwise specified.

© 2026 Calumet, Inc.

6/30/2026

TECHNICAL DATA SHEET



PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 1
Thickener Type		Lithium Complex
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	220
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	15.4
Dropping Point, °C (°F)	ASTM D2265	211 (412)
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D4048	1b
Lubricating Solids Type		MoS ₂
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	800
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2596	92
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.45
Pumpability, Lincoln Ventmeter, from 1800 psi		-10°C <30 Sec.
Corrosion Preventive Properties	ASTM D1743	Pass
EMCOR Rust Protection, rating, Distilled Water	ASTM D6138	0,0
Useful Temperature Range, °C (°F)		-28 to 177 (-18 to 350)
Color		Gray

HEALTH and SAFETY

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

DISTRIBUTED BY:

Calumet Branded Products, LLC
1060 N Capitol Ave
Suite 6-401
Indianapolis, IN 46204
Technical Services: 317-328-5660
www.belray.com

To the best of our knowledge, the information contained herein is accurate, but is given without warranty or guarantee. We assume no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the name in use and whether there is any infringement of patents is the sole responsibility of the user.

All trademarks are owned by one or more affiliates within the Calumet, Inc. organization, unless otherwise specified.

© 2026 Calumet, Inc.

6/30/2026