



# PRODUCT DATA SHEET



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## 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.

### *Applications*

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- ◆ 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

### *Features and Benefits*

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| ◆ Water resistance                          | Maximizes bearing retention in wet environments.   |
| ◆ Rust and corrosion protection             | Eliminates rust and corrosion damage to bearings operating in harsh environments.                  |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component useful life helping to reduce replacement part costs and lost production time. |
| ◆ 5% Molybdenum Disulfide                   | “Moly” powder at an effective level recommended by many off-highway equipment OEMs.                |

### *General Description*

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**Molylube 5% Moly Extreme Pressure Grease LC** is a lithium complex grease fortified with Extreme Pressure and anti-wear additives and rust and corrosion inhibitors. **Molylube 5% Moly Extreme Pressure Grease LC** is formulated to exceed the requirements of all major heavy equipment manufacturers. **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 No. 301323, 301612, 300909, 301083**

# MOLYLUBE® 5% MOLY EXTREME PRESSURE GREASE LC

## TYPICAL PROPERTIES

<u>Product No.</u>	<u>301323</u>	<u>301612</u>	<u>300909</u>	<u>301083</u>
<u>Old Product No.</u>	<u>67810</u>	<u>67820</u>	<u>67830</u>	<u>67832</u>
Bel-Ray Name Grade	LC 0	LC 1	LC 2	LC 460-2
NLGI Grade	0	1	2	2
Penetration, worked (60 strokes), ASTM D217 mm/10	370	325	280	280
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	150	220	220	460
@ 100°C, cSt	14.3	15.4	15.4	27.5
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	789	1180	1180	2465
@ 210°F, SUS	76.7	81.5	81.5	147
Dropping Point, ASTM D2265 °C	206	211	221	212
(°F)	(403)	(412)	(430)	(414)
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b	1b	1b
Lubricating Solids Type	MoS <sub>2</sub>	MoS <sub>2</sub>	MoS <sub>2</sub>	MoS <sub>2</sub>
Lubricating Solids, weight %	5.0	5.0	5.0	5.0
4-Ball EP Test, ASTM D2596 Weld Load, kg	800	800	800	800
Load Wear Index, kg	92	92	92	92
4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar diameter, mm	0.45	0.45	0.45	0.45
Rust Protection, ASTM D1743, rating	Pass	Pass	Pass	Pass
Useful Temperature Range °C	-34 to 150	-28 to 177	-20 to 177	-20 to 177
(°F)	(-29 to 302)	(-18 to 350)	(-4 to 350)	(-4 to 350)
Color	Gray	Gray	Gray	Gray