



PRODUCT DATA SHEET



MOLYLUBE® 3% MOLY EXTREME PRESSURE GREASE LC

Molylube 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 **Molylube 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

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. |
| ◆ Anti-wear and Extreme Pressure properties | Maximizes component useful life helping to reduce replacement part costs and lost production time. |
| ◆ 3% Molybdenum Disulfide | “Moly” powder at an effective level recommended by most off-highway equipment OEMs. |
| ◆ Mechanical and thermal stability | Exceptional mechanical stability and high dropping point surpass most competitive high performance greases. |

General Description

Molylube 3% Moly Extreme Pressure Grease LC is a high performance lithium complex thickened grease. Available in NLGI 00, 0, 1 and 2 Grades, **Molylube 3% Moly Extreme Pressure Grease LC** utilizes a proprietary chemical system to provide extreme pressure and anti-wear properties as well as rust and corrosion inhibitors.

Product No. 300935, 301084, 300855, 301613

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TYPICAL PROPERTIES

<u>Product No.</u>	<u>300935</u>	<u>301084</u>	<u>300885</u>	<u>301613</u>
<u>Old Product No.</u>	<u>67840</u>	<u>67850</u>	<u>67860</u>	<u>67870</u>
NLGI Grade	00	0	1	2
Penetration, worked (60 strokes), ASTM D217 mm/10	415	370	325	280
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Viscosity (Base Fluid), ASTM D445				
@ 40°C, cSt	102	150	220	220
@ 100°C, cSt	11.4	13.5	15.4	15.4
Viscosity (Base Fluid), ASTM D2161				
@ 100°F, SUS	532	793	1180	1180
@ 210°F, SUS	65.4	73.7	81.5	81.5
Dropping Point, ASTM D2265				
°C	--	206	211	221
(°F)	--	(403)	(412)	(430)
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b	1b	1b
Lubricating Solids Type	MoS ₂	MoS ₂	MoS ₂	MoS ₂
Lubricating Solids, weight %	3.0	3.0	3.0	3.0
4-Ball EP Test, ASTM D2596				
Weld Load, kg	800	800	800	800
Load Wear Index, kg	133	133	133	133
4-Ball Wear Test, ASTM D2266				
@ 1200 rpm, 40 kg, 1 hr, 75°C				
Scar diameter, mm	0.6	0.6	0.6	0.6
Rust Protection, ASTM D1743, rating	Pass	Pass	Pass	Pass
Useful Temperature Range				
°C	-34 to 50	-34 to 150	-28 to 177	-20 to 177
(°F)	(-29 to 122)	(-29 to 302)	(-18 to 350)	(-4 to 350)
Color	Gray	Gray	Gray	Gray