



PRODUCT DATA SHEET



MOLYLUBE® SEMI-FLUID GREASE WITH MOLY

Molylube Semi-Fluid Grease with Moly, commonly known as Molylube MA-1500 Special, is a viscous mineral oil based, aluminum complex semi-fluid lubricant. **Molylube Semi-Fluid Grease with Moly** is designed to reduce gear case leakage by shear thickening, a property known as rheopecticity, while providing maximum protection in heavily loaded enclosed gear drives. **Molylube Semi-Fluid Grease with Moly** features molybdenum disulfide, or moly, and graphite lubricating solids, and Extreme Pressure additives to provide high load carrying capacity and extend equipment life. **Molylube Semi-Fluid Grease with Moly** is not recommended for applications in which bearings depend on circulation systems or splash for lubrication. **Molylube Semi-Fluid Grease with Moly** should be filled to approximately half way up the highest gear to ensure adequate lubrication and should not be filtered.

Applications

- ♦ Mining - enclosed gear drive on equipment such as draglines, shovels, or continuous miners
- ♦ Heavy industry - enclosed gear drives on cranes, conveyors, lifts or any gear drive requiring improved hydro-dynamic protection or the minimization of oil leakage

Features and Benefits

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| ♦ Shear thickening (rheopecticity) | Viscosity increases to inhibit leakage. |
| ♦ Extreme Pressure and anti-wear properties | Maximizes component useful life helping to reduce replacement part costs and lost production time. |

General Description

Molylube Semi-Fluid Grease with Moly is a rheopectic or shear thickening semi-fluid lubricant. **Molylube Semi-Fluid Grease with Moly** is fortified with a viscous oil, Extreme Pressure and anti-wear additives to maximize component separation and prevent component wear under severe load conditions. **Molylube Semi-Fluid Grease with Moly** is further compounded with rust and corrosion inhibitors.

Molylube Semi-Fluid Grease with Moly is a temporary solution to gear case leakage that is caused by faulty seals.

Product No. 301213

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TYPICAL PROPERTIES

<u>Product No.</u>	<u>301213</u>
<u>Old Product No.</u>	<u>43700</u>
Apparent Viscosity (Brookfield), ASTM D2196 @ 25°C (77°F), cP	7500
Thickener Type	Aluminum Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	774
@ 100°C, cSt	42.5
Falex EP Test, ASTM D3233, Method B Non-seizure load, lbf	4000
4-Ball EP Test, ASTM D2596 Weld Load, kg	500
Flash Point (Base Fluids), ASTM D92 °C	270
(°F)	520
Color	Gray/Black