



PRODUCT DATA SHEET



MOLYLUBE® LOW TEMPERATURE MULTIPURPOSE GREASE

Molylube Low Temperature Multipurpose Grease, commonly known as Molylube 8626 EP Grease, is a mineral oil based, aluminum complex grease. It is an all-season grease fortified with Extreme Pressure and anti-wear additives, molybdenum disulfide, or moly, graphite lubricating solids, and rust and corrosion inhibitors. **Molylube Low Temperature Multipurpose Grease** is available in two grades. The NLGI #1 grade can be dispensed through centralized lubricating systems to temperatures as low as -40°C (-40°F). This characteristic makes **Molylube Low Temp Multipurpose Grease** very useful for general greasing of draglines and mining shovels at very low temperatures.

Applications

- ◆ Heavily loaded anti-friction bearings and journal bearings
- ◆ As a single grade, all-season, multipurpose grease in automatic lubricating systems without heat tracing, whether in arctic regions or areas with very diverse climates
- ◆ Mobile equipment - general lubrication of chassis points, king pins, fifth wheels
- ◆ General industrial lubrication of anti-friction bearings as well as journal bearings found at most manufacturing or process facilities.

Features and Benefits

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| ◆ All-season | Broad service temperature application range for year-round one grade service. Reduces product inventories. |
| ◆ Excellent pumpability | May be automatically dispensed through many centralized lubrication systems at temperatures as low as -40°C (-40°F). |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component useful life helping to reduce replacement part costs and lost production time. |

General Description

Molylube Low Temperature Multipurpose Grease is a mineral oil based aluminum complex grease. **Molylube Low Temperature Multipurpose Grease** is fortified with moly and graphite lubricating solids, Extreme Pressure and anti-wear additives and rust and corrosion inhibitors. **Molylube Low Temperature Multipurpose Grease** is suitable for year-round service to temperatures as low as -40°C (-40°F).

Product No. 301042, 301043

MOLYLUBE[®]
LOW TEMPERATURE MULTIPURPOSE GREASE
TYPICAL PROPERTIES

<u>Product No.</u>	<u>301042</u>	<u>301043</u>
<u>Old Product No.</u>	<u>46420</u>	<u>46440</u>
NLGI Grade	1	2
Penetration, worked (60 strokes), ASTM D217, mm/10	325	280
Thickener Type	Aluminum Complex	Aluminum Complex
Viscosity (Base Fluid), ASTM D445		
@ 40°C, cSt	37.4	37.4
@ 100°C, cSt	7.27	7.27
Viscosity (Base Fluid), ASTM D2161		
@ 100°F, SUS	190	190
@ 210°F, SUS	50.4	50.4
Viscosity Index (Base Fluid), ASTM D2270	162	162
Dropping Point, ASTM D2265		
°C	251	>260
(°F)	(483)	(>500)
Copper Strip Corrosion, ASTM D4048		
24 hrs @ 100°C, rating	2e	2e
Mechanical Stability, ASTM D217		
Penetration Change after 10,000 Stokes, %	5.0	4.6
Pumpability, Lincoln Ventmeter, from 1800 psi		
@ Room Temperature, ~25°C (~77°F), psi	200	< 400
@ -1°C (30°F), psi	350	< 400
@ -18°C (0°F), psi	600	> 400
Lubricating Solids Type	Molylube Solids	Molylube Solids

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Water Washout, ASTM D1264 @ 79°C (175°F), loss, weight %	5.6	4.5
4-Ball EP Test, ASTM D2596 Weld Load, kg	500	500
Load Wear Index, kg	64	64
4-Ball Wear Test, ASTM D2266, @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.45	0.45
Timken EP Test, ASTM D2509 OK Load, kg (lb)	20.4 (45)	20.4 (45)
Rust Protection, ASTM D1743, rating	Pass	Pass
Texture	Tacky	Tacky
Color	Gray	Gray