



# PRODUCT DATA SHEET



## MOLYLUBE® MILL GEAR GREASE

**Molylube Mill Gear Grease**, commonly known as **Molylube SF 100 Mill FGC**, is a high performance mineral oil based aluminum complex open gear grease. **Molylube Mill Gear Grease** is formulated to provide superior lubrication of Type 2 open gear systems. Type 2 open gear systems are defined as those drive systems used to transmit a continuous load (load, speed and direction are generally fixed). **Molylube Mill Gear Grease** is an NLGI 00 grease compounded with molybdenum disulfide, or moly, and high purity synthetic graphite lubricating solids, Extreme Pressure and anti-wear additives and rust and corrosion inhibitors. **Molylube Mill Gear Grease** is designed to excel in applications where drainage of the spent lubricant is a primary consideration such as grinding mills.

### *Applications*

- ◆ Mills, kilns, driers and other Type 2 open gear systems

### *Features and Benefits*

- |   |   |
|---|---|
| ◆ Superior drainability                     | Spent product readily drains from gear shrouds and flows to collection systems.                               |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component useful life helping to reduce replacement part costs and lost production time.            |
| ◆ Available in three (3) grades             | Covers a wide applications temperature range  |
| ◆ Aluminum complex thickener                | Excellent water resistance and mechanical and thermal stability for superior film retention.                  |
| ◆ Environmentally and worker friendly       | Does not contain any heavy metal or other hazardous components making it safe and easy to use and to dispose. |

### *General Description*

**Molylube Mill Gear Grease** is a high performance mineral oil based aluminum complex open gear grease for Type 2 open gear systems. **Molylube Mill Gear Grease** is fully compounded to provide the highest level of wear control and rust and corrosion protection. **Molylube Mill Gear Grease** is further enhanced with a proprietary blend of molybdenum disulfide and ultra high purity synthetic graphite. **Molylube Mill Gear Grease** is readily and completely drainable from gear shrouds and drain chutes.

**Product No. 301342, 301093, 301343**

# MOLYLUBE® MILL GEAR GREASE

## TYPICAL PROPERTIES

<u>Product No.</u>	<u>301342</u>	<u>301093</u>	<u>301343</u>
<u>Old Product No.</u>	<u>76986</u>	<u>76991</u>	<u>76992</u>
Bel-Ray Name Grade	Light	Medium	Heavy
NLGI Grade	00	00	00
Penetration, worked (60 strokes), ASTM D217 mm/10	415	415	415
Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	1570	4630	6440
@ 100°C, cSt	69.3	164	206
Viscosity Index (Base Fluid), ASTM D2270	99	122	126
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b	1b
Lubricating Solids Type	MoS <sub>2</sub> and Synthetic Graphite	MoS <sub>2</sub> and Synthetic Graphite	MoS <sub>2</sub> and Synthetic Graphite
4-Ball EP Test, ASTM D2596 Weld Load, kg	800	800	800
Load Wear Index, kg	107	145	145
FZG Test, A/2.76/50 Failure Load Stage	>12	>12	>12
Mass Loss, mg/kWh	0.21	0.21	0.21
Useful Temperature Range °C	-23 to 80	-18 to 80	-5 to 80
(°F)	(-10 to 176)	(0 to 176)	(23 to 176)
Texture	Tacky	Tacky	Tacky
Color	Gray	Gray	Gray