



Molylube[®] High Temperature Grease

PRODUCT DESCRIPTION

Bel-Ray[®] Molylube[®] High Temperature Grease, commonly known as Molylube 65 Grease, is a synthetic based, sodium complex grease recommended for high temperature and heavy load applications. It is formulated with molybdenum disulfide (moly), graphite lubricating solids, extreme pressure and anti-wear additives, and rust and corrosion inhibitors for maximum protection under severe operating conditions. The sodium complex thickener and synthetic base fluids of Molylube High Temperature Grease are virtually residue-free. Molylube High Temperature Grease continues to provide excellent protection as temperatures increase to 149°C (300°F). Molylube High Temperature Grease leaves no undesirable residues when exposure to temperatures in excess of 260°C (500°F), optimizing bearing performance under these conditions.

PRODUCT FEATURES

- Sodium complex thickener
- Fully synthetic base fluids
- Moly and graphite lubricating solids
- Extreme Pressure and anti-wear properties

BENEFITS

- High dropping point, high temperature residue free
- Long-life capability
- Reduces friction and provides high temperature lubrication
- Maximizes component useful life helping to reduce replacement part costs and lost production time

APPLICATIONS

- Slides
- Bushings
- Ball bearings
- Pedestal Slides
- Vibrating screens
- Furnace table rolls
- Molten lead pumps
- Refractory kiln car wheels
- Pins
- Valve gear guides
- Roller bearings
- Paw-grip guides
- Conveyor wheels
- Wheel bearings on annealing cars

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PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 1
Thickener Type		Sodium Complex
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	188.0
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	15.3
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)
Lubricating Solids Type		MoS ₂
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	500
Corrosion Protection, Federal Method	Method 5322	Pass
Useful Temperature Range, °C (°F)		-18 to 316 (0 to 600)
Color		Dark Gray

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com