



Molyube[®] Low Temperature Multipurpose Grease

PRODUCT DESCRIPTION

Bel-Ray[®] Molyube[®] Low Temperature Multipurpose 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, graphite lubricating solids, and rust and corrosion inhibitors. This characteristic makes Molyube Low Temp Multipurpose Grease very useful for general greasing of draglines and mining shovels at very low temperatures.

PRODUCT FEATURES and BENEFITS

- All-season broad service temperature application range for year-round use.
- 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.

APPLICATIONS

- 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

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PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 1
Thickener Type		Aluminum Complex
Texture		Tacky
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	37.4
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	7.27
Base Fluid Viscosity Index	ASTM D2270	162
Dropping Point, °C (°F)	ASTM D2265	251 (483)
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D4048	2e
Mechanical Stability, Penetration Change After 10,000 Strokes (%)	ASTM D217	5
Pumpability, Lincoln Ventmeter, from 1800 psi @ Room Temperature, ~25°C (psi) @ -1°C (psi) @ -18°C (psi)		200 350 600
Lubricating Solids Type		Molybde Solids
Water Washout @79°C (175°F), % loss	ASTM D1264	5.6
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	500
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2596	64
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.45
Timken EP Test, OK Load (lbs)	ASTM D2509	20.4 (45)
Corrosion Preventive Properties	ASTM D1743	Pass
Useful Temperature Range, °C (°F)		-40 to 60 (-40 to 140)
Color		Gray

HEALTH and SAFETY

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