

Molylube[®] Gear Tac Tacky Open Gear Lubricant

PRODUCT DESCRIPTION

Bel-Ray[®] Molylube[®] Gear Tac Tacky Open Gear Lubricant, commonly known as Molylube Gear Tac, is an open gear lubricant formulated for dragline, shovel and process open gears. Molylube Gear Tac Tacky Open Gear Lubricant is formulated with a high viscosity paraffinic base oil, polymers, molybdenum disulfide, or moly, and graphite lubricating solids, and Extreme Pressure additives. Molylube Gear Tac Tacky Open Gear Lubricant is fortified with a water displacing additive for shovel applications exposed to rain, snow and ice. Molylube Gear Tac Tacky Open Gear Lubricant is well suited for open gear use in typical and severe mining and industrial applications including dragline and shovel open gears, grinding mills, pelletizers, agglomerators, driers and kilns.

Molylube Gear Tac Tacky Open Gear Lubricant offers optimum lubrication under severe conditions, Molylube Gear Tac Tacky Open Gear Lubricant provides exceptional film formation capabilities and shear stability reducing metal-to-metal contact. It is not recommended for use in anti-friction bearings.

PRODUCT FEATURES

- High base oil viscosity
- Exceptional lubricant retention due to enhanced adhesion to lubricated surfaces
- Superior extreme pressure and anti-wear properties

BENEFITS

- Provides a strong hydrodynamic oil layer for superior lubricating film strength and load carrying characteristics
- Reduces lubricant consumption and extends lubrication intervals; protects against missed re-lubrication cycle
- Maximizes component useful life helping to reduce replacement part costs and lost production time

APPLICATIONS

- General open gear lubrication for gears of all sizes
- Dragline open gears, swing rack and pinions, rails and rollers, bushings and some walking systems (Marion walking cams, P&H walking mechanisms, Bucyrus cam and slide - slide and bushing on the older design and slide only on the new anti-friction bearing design)
- Shovel open gears, dipper sticks (handles) of all designs, swing rack and pinions, rails and rollers, and bushings
- Mills, including ball, regrind, rod and semi-autogenous



PRODUCT DATA

Typical Properties		
Property	Test Method	
Viscosity @ 40°C (cSt)	ASTM D445	40,048
Viscosity @ 100°C (cSt)	ASTM D445	689
Viscosity Index	ASTM D2270	144
Apparent Viscosity @ 25°C, (cP)	ASTM D2196	10,500
4-Ball EP Test, Weld Load (kgf) (Pre-dilution)	ASTM D2596	800
4-Ball EP Test, Load-Wear Index (kgf) (Pre-dilution)	ASTM D2596	127
Timken Retention Test, Film Life @ 43 lbs, minutes (Pre-dilution)	US Steel Film Life	30
Pumpability, Lincoln Ventmeter, from 1800 psi to 600 psi, maximum		-12°C <30 sec.
Flash Point, °C (°F)	ASTM D92	154 (309)
Useful Ambient Temperature Range, °C (°F)		-12 to 50 (10 to 122)
Lubricating Solids Type		Molylube
Color		Black

HEALTH and SAFETY

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

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