



PRODUCT DATA SHEET



MOLYLUBE® GEAR TAC TACKY OPEN GEAR LUBRICANT

Molyube Gear Tac Tacky Open Gear Lubricant, commonly known as Molyube Gear Tac, is an open gear lubricant formulated for dragline, shovel and process open gears. **Molyube 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. **Molyube Gear Tac Tacky Open Gear Lubricant** is fortified with a water displacing additive for shovel applications exposed to rain, snow and ice. **Molyube 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.

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

Features and Benefits

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|---|---|
| ◆ High base oil viscosity | Provides a strong hydrodynamic environment for superior lubricating film strength and load carrying characteristics. |
| ◆ Extended protection | Exceptional retention. Reduces consumption extending lubrication intervals. Protects longer against missed relubrication cycle. |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component useful life helping to reduce replacement part costs and lost production time. |

General Description

Molyube Gear Tac Tacky Open Gear Lubricant offers optimum lubrication under severe conditions, **Molyube 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 No. 301324, 301746, 301747

MOLYLUBE® GEAR TAC
TACKY OPEN GEAR LUBRICANT
TYPICAL PROPERTIES

<u>Product No.</u>	<u>301324</u>	<u>301746</u>	<u>301747</u>
<u>Old Product No.</u>	<u>68990</u>	<u>68940</u>	<u>68950</u>
Bel-Ray Name Grade	Light	Medium Light	Medium
Viscosity (Base Fluid), ASTM D445			
@ 40°C, cSt	24,500	40048	40048
@ 100°C, cSt	403	689	689
Viscosity (Base Fluid), ASTM D2161			
@ 100°F, SUS	140,700	229,776	229,776
@ 210°F, SUS	1980	3211	3211
Apparent Viscosity (Brookfield), ASTM D2196			
@ 25°C (77°F), cP	3,600	10,500	15,500
Useful Ambient Temperature Range			
°C	>-29	>-12	>0
(°F)	(>-20)	(>-10)	(>+32)
Lubricating Solids Type	Molylube Solids	Molylube Solids	Molylube Solids
4-Ball EP Test (Pre-dilution), ASTM D2596			
Weld Load, kg	620	800	800
Load Wear Index, kg	127	127	127
Timken Retention Test (Pre-dilution), USS Method			
Film Life, @ 43 lbs, minutes	30	30	30
Flash Point, ASTM D92, COC			
°C	102	150	134
(°F)	(216)	(302)	(273)
Color	Black	Black	Black