



Mobiltac 50M Series

Mobil Industrial , Chile

OPEN GEAR LUBRICANT

Product Description

The Mobiltac 50M Series of premium performance open gear lubricants is designed to provide outstanding protection of heavily loaded open gears exposed to severe operating conditions. Mobiltac 50M is a semi-synthetic open gear lubricant containing high performance additives designed to provide an adhesive film and excellent load carrying capability particularly for open gears on shovels, draglines, and associated mining equipment.

Features and Benefits

Mobiltac 50M has the following features and potential benefits:

- Very high viscosity, semi synthetic lubricant designed to extend component life in heavily loaded open gear applications
- Excellent wash-off resistance in very wet operating environments
- Solid anti-wear and extreme pressure protection of mating surfaces against damaging wear in contact zones
- Available in three grades for different ambient operating conditions.
- Mobiltac 50M Heavy is recommended for ambient temperatures >20°F (-7°C) Mobiltac 50M Light is recommended for ambient temperatures from -15°F (-26°C) to 70°F (21°C) while Mobiltac 50M Arctic is recommended for ambient temperatures <50°F (10°C).
- Weld load protection > 800 kg

Applications

Mobiltac 50M is recommended for the lubrication of:

- Open gears on shovels, draglines and associated mining equipment with spray, brush or drip application
- The hoist gear on Caterpillar Mining electric rope shovels and in applications where an extra heavy open gear lubricant is desired

Properties and Specifications

Property	MOBILTAC HEAVY	50M	MOBILTAC LIGHT	50M	MOBILTAC ARCTIC	50M
Appearance, Visual	Viscous Semi-Fluid		Viscous Semi-Fluid		Viscous Semi-Fluid	
Color, Visual	Black		Black		Black	
Copper Strip Corrosion, Rating, ASTM D4048	1A		1A			
Flash Point, °C, ASTM D92	300°F (149°C)		284°F (140°C)		290oF (143oC)	
Four-Ball Extreme Pressure Test, without Diluent, Weld Point, kgf, ASTM D2596	>800		>800		>800	
Rust, Rating, ASTM D1743	PASS		Pass		Pass	
Ventmeter, 600, psi, Lincoln VE-1	20°F @ <30 sec		-15°F @ <150 sec		-30oF @<150 sec	
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	50,000 cSt		50,000 cSt		50,000 cSt	

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Isidora Goyenechea 2915, Las Condes, Santiago Chile

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