Mobil

Mobiltac 50M Series

Mobil Industrial , United States

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 50M HEAVY	MOBILTAC 50M LIGHT	MOBILTAC 50M ARCTIC
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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08-2023

Exxon Mobil Corporation
22777 Springwoods Village Parkway
Spring TX 77389

1-800-ASK MOBIL (275-6624)

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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