



## 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 operating conditions. Mobiltac 50M is a semi-synthetic open gear lubricant containing high performance additives designed to provide an adhesive film and ex 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 (-25°F (-25°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 ARC   |
|-------------------------------------------------------------------------------|--------------------|--------------------|--------------------|
| 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)      | 290°F (143°C)      |
| 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   | -30°F @ <150 sec   |
| Viscosity @ 40 C, Base Oil, mm <sup>2</sup> /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.as>

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