



Mobil Mist Lube 34

Mobil Industrial , Japan

MIST OIL

Product Description

Mobil Mist Lube 34 is extra high performance oils designed for the oil-fog or mist-lubrication of machine components such as slideways, bearings, gears, chains et product is formulated from high quality, solvent refined base stocks and a unique additive system designed for optimum oil reclassifying properties. This product has high resistance to oxidation and good extreme pressure and anti-wear properties. The product has enhanced surface wetting capabilities and they reclass (do not agglomerate) readily from a mist to a liquid when the mist is subjected to extreme turbulence or is impinged onto a surface at high velocity. This allows a lubricating film to form on bearings and gears and prevents stray mist from escaping through narrow apertures into the atmosphere.

The viscosity grades in the Mobil Mist Lube 34 is ISO VG 460. So, it is used on ways, gears, and slow-speed, heavily loaded bearings.

Features and Benefits

The Mobil Mist Lube 34 is an important member of the Mobil brand of lubricants and enjoy recognition among equipment operators for their superb performance capabilities in misting applications. Mobil Mist Lube 34 is developed specifically for mist applications and have undergone an arduous protocol of testing, including reclassification performance, in their development. Mobil Mist Lube 34 offers the following features and potential benefits:

| Features   | Advantages and Potential Benefits  |
|--|--|
| Superior mist forming and reclassifying properties | Ensures uniform distribution of lubricant on machine parts with control of stray mist for reliable lubrication and problem-free operation, reduced leakage and lower oil consumption |
| Excellent EP and anti-wear performance             | Prevents machine element wear with resulting savings in maintenance and parts replacement  |
| High quality base oil and additive components      | Avoids reclassifier plugging problems which can result in catastrophic bearing and gear failure, with accompanying downtime and replacement costs                                    |
| Excellent resistance to oxidation                  | Long product life, reduced product and maintenance costs   |
| Very good rust protection including seawater       | Excellent equipment protection   |

Applications

Mobil Mist Lube 34 designed for use in all oil mist lubrication systems. Such systems work by dispersing very small droplets of oil in smoothly flowing air, distributing oil mist to the points of application and mechanically condensing the mist, causing the oil to impinge on and wet the surfaces to be lubricated. Since Mobil Mist Lube 34 has high viscosity grades, thermal misting devices has to be prepared to form proper dispersions when ambient temperatures are moderate or low. Mobil Mist Lube 34 is suitable for oil / air lubrication systems such as airline oilers. Specific applications include:

- Industrial gearing such as cooling tower gearboxes
- Slow-speed, heavily-loaded bearings (higher viscosity grades)
- Machine tools, ways and screws
- Process pumps, electric motors and blowers
- Steam turbines and electric motors

Typical Properties

| Mobil Mist Lube 34           | 460  |
|------------------------------|------|
| Viscosity, ASTM D 445        |      |
| cSt @ 40° C                  | 460  |
| cSt @ 100° C                 | 31.5 |
| Viscosity Index, ASTM D 2270 | 100  |
| Pour Point, °C, ASTM D 97    | -6   |

|  |      |
|--|------|
| Mobil Mist Lube 34   | 460  |
| Flash Point, °C, ASTM D 92   | 238  |
| Density @15.6° C, ASTM D 4052, kg/l                                    | 0.9  |
| FZG Scuffing, DIN 51534, A/8.3/90, Fail Stage                          | 12+  |
| 4-Ball EP test, ASTM D 2783, Weld Load, kg                             | 250  |
| Load Wear Index, kgf   | 48   |
| 4-Ball Wear Test, ASTM D 4172 mod, (20kg/54° C/1800rpm/1 hr), Scar, mm | 0.3  |
| Timken OK Load, ASTM D 2782, lb  | 65   |
| Rust protection, ASTM D 665, Sea Water                                 | Pass |

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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ExxonMobil Japan Godo Kaisha  
Shinagawa Grand Central Tower  
2-16-4, Konan, Minato-Ku,  
Tokyo, 108-8218,  
Japan

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 properties may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)  
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