



Mobiltac 375 NC, 325 NC and 275 NC

Mobil Industrial , Republic of Madagascar

Gear Oils

Product Description

Mobiltac 375 NC, 325 NC and 275 NC extra high performance non-leaded, diluent-type, heavy-bodied open gear lubricants designed for a wide variety of open gear and mining applications. They contain a non-chlorinated, volatile solvent that ensures fluidity during application, even at low temperatures. Once applied, the solvent evaporates and the lubricants take on a flexible, adhesive, high-strength consistency that is maintained throughout their service life. Mobiltac 375 NC, 325 NC and 275 NC adhere strongly to gear teeth and other machine elements to resist excessive throw-off, thereby providing a wear-resistant, viscous, continuous film that lubricates under boundary conditions. Mobiltac 275 NC also contains solid phase EP/anti-wear additive for added equipment protection

Mobiltac 375 NC, 325 NC and Mobiltac 275NC will not harden, chip, or flake in cold weather, are self-healing, and do not form a hard-packed buildup in gear-tooth contact. Dripping and throw-off are minimal, and the lubricants are easily cleaned up with a solvent-soaked rag. The lubricants provide resistance to rain, snow, and process washing. Their flash points minimise the risk of fire. These new generation gear and mining lubricants are applied easily by hand or by automatic dispensers. Mobil technology has rapidly become a firm favourite among many open gear users and mine operators around the world

Features and Benefits

The Mobiltac NC Series of products are the most recent technology advance for the Mobiltac brand of products that have been used with great success in open gear and other mining applications for several decades. These new technology products provide significantly improved environmental and performance benefits over diluent-type technologies. They offer the following features and potential benefits:

| Features | Advantages and Potential Benefits |
|---|--|
| Excellent protection of gear teeth and other machine elements under boundary lubrication conditions | Less equipment wear and breakdown; lower replacement, downtime and maintenance costs |
| Excellent low-temperature pumpability | Easy start-up at low ambient and avoids cost of preheating |
| Excellent resistance to water washing | Maintains superb protection in wet environments; less unscheduled downtime |
| Minimal throw-off and dripping | Less product waste and new product cost |
| No chipping or flaking at low temperatures | Maintains protective lubricating film at low temperatures |
| Easy to clean up with rags and conventional solvents or cleaning fluids | Improved safety and reduced maintenance costs |

Applications

- Mobiltac 375 NC, 325 NC and Mobiltac 275NC are designed for use in a wide variety of open gear and mining applications:
- Mobiltac 375 NC, containing a high-viscosity base oil, is recommended for the lubrication of highly loaded open gears, including those that operate at low temperatures, for example, ring gears on cement kilns and large gears on ore-processing mills
 - Mobiltac 325 NC is recommended for the same applications as Mobiltac 375 NC. It contains more diluent and has a lower viscosity for ease of application at low temperatures
 - Mobiltac 275 NC is designed for service as a lubricant for mine and quarry shovels, draglines, and related equipment; also open gears, racks and pinions, swing booms and sticks
 - Minimum operating temperature for Mobiltac 325 NC is -18 C, 375 NC is -1 C and 275 NC is -9 C

Properties and Specifications

| Property | MOBILTAC 275 NC | MOBILTAC 325 NC | MOBILTAC 375 NC |
|---|----------------------------|----------------------------|----------------------------|
| Appearance, AMS 1738 | | | Viscous, semi-fluid, black |
| Appearance, Visual | Viscous, semi-fluid, black | Viscous, semi-fluid, black | |
| Density @ 15.6 C, kg/l, ASTM D1298 | | 0.95 | 0.96 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 150 | 110 | 135 |
| Kinematic Viscosity 40 C (Diluted), cSt, ASTM D445 | | | 5000 |
| Kinematic Viscosity @ 100 C (Undiluted), cSt, ASTM D445 | | 1000 | 1260 |
| Specific Gravity, PTM 117 | 0.99 | | |

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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