Mobiltac 375 NC, 325 NC and 275 NC

Mobil Industrial , Peru

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 diluent 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 275NC adhere strongly to gear teeth and other machine elements to resist excessive throw-off, thereby providing a wear-resistant, viscous, continuous film that lubricates well 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 roots. 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 water 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. Mobiltac NC 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 older 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 unanticipated 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 high temperature, 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 cooler 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 gears, 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.aspx

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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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