Open Gear Lubricant 250 NC

Product description

Open Gear Lubricant is black, viscous lubricant formulated with an asphaltic base and diluted with a non-chlorinated solvent to provide tacky, tenacious lubricant films.

Open Gear Lubricant is easy to apply by hand or through automatic lubrication systems.

Open Gear Lubricant provides a high film strength coating on gear teeth to minimize wear and provide shock load protection.

Customer benefits

- **Longer Equipment Life**
  High film strength provides excellent anti-wear protection to gear teeth under high, shock load conditions.

- **Ease of Application**
  Easily applied with brushes, swabs or through automatic lubrication systems. Open Gear Lubricant contains a non- chlorinated diluent that eases the application of these lubricants onto the gears. The diluent then evaporates, leaving a tacky lubricant film on the gear teeth. When used as a cable coating, the diluent allows the lubricant to penetrate into the core, thus carrying the lubricant into the individual strands and minimizes wear as the cable is run through sheaves or onto a winch drum.

- **Low Environmental Impact**
  The carrier solvent contained in Open Gear Lubricant is a non-ozone depleting diluent. Open Gear Lubricants also pass the EPA's Toxicity Characteristic Leaching Procedure (TCLP) test.

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Applications

- Open Gear Lubricant is recommended for many types of open gears such as grinding mills and rotary kilns, rack & pinions, dipper sticks, wire ropes, chains, bushes, circle rollers, rails and cables and multitude of other mechanisms found in the Mining, Steel, Cement, Sugar and other heavy industries.
- It can be applied by brush, by swab or by automatic lubrication systems.
- It provides lubrication for mining equipment including:
    - girth and pinion gears on rod and ball mills;
    - rack and pinion gears on shovel dipsticks;
    - swing and pinion gears on top of the lower frame of shovels and draglines, which are sometimes served with an automatic lubrication system.

Note: Open Gear Lubricant is not recommended for use in high speed journal or roller bearings. Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

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Typical test data

OPEN GEAR LUBRICANT	TEST METHOD	RESULT
Viscosity Grade		**250 NC**
Product Code		**560884**
Contains Diluent[a]		Yes
Thickener Type		Asphaltic
Timken OK Load, lb	ASTM D2782	40
Four-Ball Weld Point, kg	ASTM D2783	315
Four-Ball Wear Scar Diameter, mm	ASTM D2266	0.60
Rust Test, ,24 h, Distilled Water	ASTM D665	Pass
Viscosity, Kinematic cSt at 40°C (with diluent)	ASTM D445	4125
Viscosity Kinematic cSt at 100°C (w/o diluent)	ASTM D445	800
Low Temperature Pumpability Lincoln Ventmeter at 400 psi, °C		0
Flash Point, °C	ASTM D93	83
Pour Point, °C	D97	4
Resultant Film[b] Texture		Tacky, Smooth
Color		Black

[a] Diluent is nonchlorinated and combustible. It is also volatile, therefore it is important to keep containers tightly sealed to avoid loss.

[b] At normal ambient temperature 21°C to 38°C

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.