



OPEN GEAR LUBRICANT

100 NC, 250 NC

Product Data Sheet

Customer benefits

Long 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 Lubricants contain 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.

Applications

- Open Gear Lubricants are 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.
- They can be applied by brush, by swab or by automatic lubrication systems.
- All grades provide lubrication for mining equipment including:
 - o girth and pinion gears on rod and ball mills;
 - o rack and pinion gears on shovel dipsticks;
 - o 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.

Product features:

- **Open Gear Lubricants** are black, viscous lubricants formulated with an asphaltic base and diluted with a non-chlorinated solvent to provide tacky, tenacious lubricant films.
- **Open Gear Lubricants** are easy to apply by hand or through automatic lubrication systems.
- **Open Gear Lubricants** provide a high film strength coating on gear teeth to minimize wear and provide shock load protection.

Typical key properties

OPEN GEAR LUBRICANT			
		100 NC	250 NC
Product Code		531800	560884
		Test Method ASTM	
Contains Diluent ^a		Yes	Yes
Thickener Type		Asphaltic	Asphaltic
Timken OK Load, lb	D2782	40	40
Four-Ball Weld Point, kg	D2783	315	315
Four-Ball Wear Scar Diameter,mm	D2266	0.60	0.60
Rust Test, ,24 h, Distilled Water	D665	Pass	Pass
Viscosity Kinematic cSt at 40°C(with diluent)	D445	445	4125
Viscosity Kinematic cSt at 100°C(w/o diluent)	D445	180	800
Low Temperature Pumpability Lincoln Ventmeter at 400 psi, °C		-25	0
Flash Point, °C	D93	79	83
Pour Point, °C	D97	-23	4
Resultant Film ^b		Tacky	Tacky
Texture		Smooth	Smooth
Color		Black	Black

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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:
www.chevronlubricants.com.