

Product Data Sheet

Product Description

Petron Open Gear Lube 585W is a non-polymer, viscous, semi-fluid, lubricant designed specifically for use in Arctic temperatures. Open Gear Lube 585W provides maximum protection to open gears on shovels, drag lines, and associated mining equipment under all conditions. Open Gear Lube 585W provides superior, proven cold temperature pumpability coupled with additive technology to assure maximum protection of components. Open Gear Lube 585W is part of a proven family of open gear lubricants and is designed to be applied through all automatic lubrication equipment.

Features & Benefits

- High Viscosity Fluid designed to lubricate heavily loaded open gears and extend component life while reducing consumption.
- Solid and organo-metallic anti-wear and extreme pressure additives provide unparalleled protection in the most heavily loaded zones of gear tooth mesh.
- Open Gear Lube 585W is recommended for use in ambient temperatures ranging from -40°F (-40°C) to 32°F (0°C). For applications above 0°F (-18°C) use Open Gear Lube 585NC or Open Gear Lube 595NC.
- Lubricant resists wash-off in rain and snow, peeling in dusty environments and clings tenaciously to gear teeth in vertical position.
- Doesn't use polymers to attain its high viscosity.
- Environmentally friendly.
- Open Gear Lube 585W has every batch vent tested before being released for packaging.

Product Application

Mining applications include all types of open gears, rails and rollers, racks and pinion, dipper sticks and other slides in Shovels and Draglines.

Petron Open Gear Lube 585W may be applied by spraying, brushing, or dripping. Open Gear Lube 585W is designed to be applied through all automatic lubrication equipment. Petron Open Gear Lube 585W is available in pails, kegs, drums, and bin tanks.

Notes

See **Petron's Petrotac EP Premium Arctic** if your equipment is unable to have timers increased and pump speeds lowered and/or your temperature requirements are more extreme than the Open Gear Lube 585W specification.

Petron Open Gear Lube 585W exceeds OEM base oil viscosity requirements for open gear lubricants on shovels and draglines. Petron Open Gear Lube 585W is not intended for general use in bushings and bearings except in slow moving, heavily loaded applications.

If you require further information contact Petron at: info@petroncorp.com



OPEN GEAR LUBE 585W

Open Gear Lubricant

Property	Test Method	Typical Data
Color	Visual	Black
Appearance	Visual	Viscous, Semi-Fluid
Specific Gravity	ASTM D-1298	0.98
Flash Point	ASTM D-92	>302°F (>150°C)
4 Ball EP, Weld Point (Kg)	ASTM D-2596	400
Rust	ASTM D-1743	Pass
Ventmeter, 600 psi	Lincoln VE-1	-30°F @ <225 sec
Ventmeter, 600 psi	Lincoln VE-1	-40°F @ <800 sec
Base Oil Viscosity, cSt @ 40 °C	ASTM D-445	50,000

In extremely cold weather conditions it is important that you are able to slow down the actuation of the pump and extend out the fault timers in order to be successful as you approach extreme cold conditions. You must also make sure vent meter reading in seconds as posted on PDS are acceptable for the injector model and machinery you plan to lubricate. The published vent time, when added to the required time to reach system pressure must be less than the cycle time set on the PLC of the auto lube system. Injector blocks should be as close as possible to site of application.

Testing listed is typical, no warranty is expressed or implied regarding results obtained from use. Information contained on this Product Data Sheet is subject to change without notification. Before using product name, always be sure to read and follow precautions and directions for use appearing on the product container. Seller shall not be liable for any loss or damage.