



## GEAR SHIELD P Open Gear Lubricant

# Product Data Sheet

### Product Description

Petron Gear Shield P is designed for open gear drives on stationary rotating machinery. Gear Shield P can be applied through an auto-lube system, sump, or bath-type application. Petron Gear Shield P is a semi-synthetic open gear lubricant that is part of a long family of proven open gear lubes. Gear Shield P is a high-viscosity fluid that provides superior separation of gear teeth on rotating machinery and it is especially effective on rotating machinery that operate at elevated temperatures. These units would include kilns, driers and coal mills. Gear Shield P is a blend of high-viscosity synthetic and mineral base fluids as well as a highly refined resin. These resins are combined with E.P. and oxidation-resistant additives that further enhance gear protection. Petron Gear Shield P is the open gear lubricant of choice for mills and kilns in grinding and indurating processing. It is also the product of choice in the power generation and cement industries where elevated heat is encountered on a regular basis.

### Features & Benefits

- High Viscosity, semi-synthetic fluid designed to lubricate heavily loaded open gears.
- Anti-wear and extreme pressure additives provide unparalleled protection in the most heavily loaded zones of gear tooth mesh.
- Designed for auto-lube systems, sump, or bath-type lube systems.
- No build-up in gear tooth roots.
- Drains freely from gear guards.
- Pumps freely down to 15° F/-9° C.
- Environmentally friendly. Does not contain chlorinated solvents or lead and is free of all carcinogens.
- Excellent for elevated temperatures such as kilns and driers.

### Product Application

Petron Gear Shield P may be applied by spraying, sump, or bath-type lube system. Petron Gear Shield P is designed to be sprayed through all automatic lubrication equipment.

Petron Gear Shield P is available in pails, kegs, drums, bin tanks, and tank truck.

### Notes

Petron Gear Shield P exceeds OEM and AGMA base oil viscosity requirements for open gear lubricants applied by intermittent spray application.

If you require further information contact Petron at:  
[info@petroncorp.com](mailto:info@petroncorp.com)

## GEAR SHIELD P

Property	Test Method	Typical Data
Color	Visual	Black
Appearance	Visual	Viscous, Semi-Fluid
Specific Gravity	ASTM D-1298	0.92
Copper Corrosion	ASTM D-130	1B
Flash Point	C.O.C.	> 245°F (>118°C)
4 Ball, Weld, Kg	ASTM D-2596	400
Load Wear Index	ASTM D-2596	70
4 Ball Wear (scar diam., mm)	ASTM D-2266	0.6
Timken OK Load, Lbs.	ASTM D-2509	45
Ventmeter @ 30°F	Lincoln VE-1	30 seconds <300 psi
Viscosity, cSt @ 100° C (Undiluted)	ASTM D-445	1150 to 1350
Viscosity, cSt @ 40° C (Diluted)	ASTM D-445	5800 to 6800

**IMPORTANT: Before using Gear Shield P, always be sure to read and follow precautions and directions for use appearing on the product container.**