Gear Shield Synthetic

Open Gear Lubricant

Product Data Sheet

Product Description

Petron Gear Shield Synthetic represents a new generation of open gear lubricants for heavy industry following in the footsteps of a long proven family of open gear lubricants from Petron.

Gear Shield Synthetic is a transparent open gear lubricant that provides a tenacious film on the working flanks of gear teeth on any open gear application that powers stationary rotating mills.

Gear Shield Synthetic provides superior separation of gear teeth in the heaviest load zone of gear tooth mesh.

Gear Shield Synthetic's base fluids are combined with oxidation-resistant and EP additives that further enhance its protective qualities.

Gear Shield Synthetic is an excellent choice for all stationary rotating machinery.

Features & Benefits

- A transparent synthetic fluid designed to lubricate large open gears on mills and kilns.
- Anti-wear and EP additives provide excellent protection in the most heavily loaded zones along the pitch-line of gear tooth flanks.
- No build-up in gear tooth roots.
- Drains freely from gear guards.
- Environmentally friendly.
- Pumps freely down to -18°C, for colder applications heating may be required.

Product Application

Petron Gear Shield Synthetic may be applied by spraying, brushing or dripping. Petron Gear Shield Synthetic is designed to be sprayed through all automatic lubrication equipment. Petron Gear Shield Synthetic is available in pails, kegs, drums, bin tanks, and tank truck.

Notes: Petron Gear Shield Synthetic 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

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Property	Method	Typical Data
Color	Visual	Amber
Viscosity, cSt @ 100°C (undiluted)	ASTM D445	1,600
Viscosity, cSt @ 40°C (finished)	ASTM D445	7,200
Viscosity Index	ASTM D2270	197
Flash Point, °C	ASTM D92	185
Pour Point, °C	ASTM D97	-12
Rust Prevention 4 hrs @ 60°C	ASTM D665 B	Pass
4 Ball EP Weld Load, kg	ASTM D2596	800
FZG A/2.76/50	DIN51354	>12
FZG Specific Mass Loss (after 12 stages)	DIN51354	<0.2
Lincoln Ventmeter, 600 psi	Lincoln VE-1	0°F @ 30 seconds

Emissivity setting for hand held temperature devices to be set at .60

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