Petro Syn series

Bearing and Open Gear Synthetic Lube

Product Data Sheet

Product Description

The **Petro Syn series** consists of viscous, semi-synthetic products designed to meet the demands of applications in highly loaded open gears and slow-rotational mill bearings.
The **Petro Syn series** incorporates synthetic fluids, high viscosity mineral oils, and extreme pressure additives to provide a high-performance lubricant for open gear application.
The **Petro Syn series** is formulated to maintain a normal temperature in bearings under severe operating conditions and minimize the wear of steel rollers and bronze bearings.
The **Petro Syn series** are transparent open gear lubricants which provide tenacious film on the working flanks of gear teeth on any open gear application in Cement, Steel, Mining, and Power segments.
The **Petro Syn series** provides superior protection of gear teeth in the heaviest load zone of gear tooth mesh.
The **Petro Syn Series** is available in three different viscosities - 8,800 cSt,15,000 cSt, and 20,000 cSt.

Features & Benefits

- A transparent synthetic fluid designed to lubricate large open gears on mills and kilns
- Excellent anti wear and extreme pressure properties
- No build up in gear tooth roots
- Excellent load-bearing performance promotes superior wear protection
- Low temperature pumpability
- Provides maximum protection for bronze and babbitt bearings
- Resists washout from water and juice in sugar mill applications
- Drains freely from gear guards

Product Application

- Open gears
- Sugar mills - journal and transmission bearings
- Crown wheels or pinions
- Transmission crown wheels
- Rotary dryers

Notes

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

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Property	Method	Typical Data		
		Petro Syn 8800	Petro Syn 15000	Petro Syn 20000
Color	Visual	Light Yellow	Amber	Amber
Viscosity, cSt @ 40°C	ASTM D445	8,800	15,000	20,000
Viscosity Index	ASTM D2270	180	185	196
Flash Point, °F (°C)	ASTM D92	392°F (200°C)	446°F (230°C)	430°F (221°C)
Pour Point, °C	ASTM D97	21°F (-6°C)	32°F (0°C)	43°F (6°C)
Copper Corrosion	ASTM D130	1B	1B	1B
Rust	ASTM D665	Pass	Pass	Pass
Weld Point, kg	ASTM D2596	500	500	500
Ventmeter, 600 psi	Lincoln VE-1	20°F @ ≤ 30 sec	20°F @ ≤ 30 sec	20°F @ ≤ 30 sec