



Industrial Synthetic Gear Oil 680

Product Code: 77320

Fully Synthetic PAO Industrial Gear Oil

Industrial Synthetic Gear Oil 680 is an ultra-high performance fully synthetic industrial gear oil suitable for wind turbines, heavy loaded closed gear boxes and circulation systems operating under extreme conditions and high temperatures.

Industrial Synthetic Gear Oil 680 is formulated special selected PolyAlphaOlefins and ester base stocks in combination with a unique performance additive technology to achieve the following performance.

- Outstanding load carrying capability.
- Excellent low temperature properties.
- Effective lubrication over a wide temperature range.
- Superior thermo- and oxidation stability.
- Long service intervals.
- Excellent protection against rust, wear and foaming.
- Very high demulsibility.
- Excellent corrosion and micropitting protection.

Industrial Synthetic Gear Oil 680 meets the following performance criteria:

DIN 51517-3 CLP
US Steel 224
Cincinnati Milacron P-74

ISO 12925-1 CKD
David Brown S1.53.106

AGMA 9005-F16 Antiscuff
SIEMENS MD (Flender)

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	680
Density @15°C	kg/m ³	ASTM D4052	873
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	64.7
Viscosity Index		ASTM D2270	167
Flash Point COC, min	°C	ASTM D92	>218
Pour Point	°C	ASTM D7346	-42
FZG Fail Load Stage, min		DIN 51354-2	>12

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