



## 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

Cincinnati Milacron P-74

AIST 224 (US Steel 224)

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 <sup>3</sup>	ASTM D4052	852.9
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	79.1
Viscosity Index		ASTM D2270	188
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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