



# INDUSTRIAL GEAR OIL SYNTH 100

## Product Description:

**INDUSTRIAL GEAR OIL SYNTH 100** 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 GEAR OIL SYNTH 100** is formulated with special selected Poly Alpha Olefine (PAO) and Ester base stocks in combination with an unique EP-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 micro pitting protection (both 90°C and 60°C tests of Winergy and Vestas).

**INDUSTRIAL GEAR OIL SYNTH 100** exceeds 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)



Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	100
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	855.5
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	101.9
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	14.8
Viscosity Index		ASTM D2270	153
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-51
FZG Fail Load Stage, min		DIN 51354-2	12
Demulsibility @82°C	Min	ASTM D1401	10

**Product Nr:** 43460

**Date Superseded:** 18-12-2019

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**Revision nr:** 02