

INDUSTRIAL GEAR POWER SYNTH 100

Industrial Gear Oil

INDUSTRIAL GEAR POWER 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 POWER SYNTH 100 is formulated with special selected 100% Poly Alpha Olefine (PAO) 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 micropitting protection (both 90°C and 60°C tests of Winergy and Vestas).

INDUSTRIAL GEAR POWER SYNTH 100 meets the following performance criteria:

DIN 51517, part 3
ISO 12925-L-CKD/CKE
CM P74

AGMA 9005-EO2
T7300 SEW
AIST 224

AGMA 9005-F16
Siemens / Flender

Typical Analysis

Properties	Unit	Method	Typical Value
Density @15°C	kg/m ³	ASTM D4052	864
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	101
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	15,7
Viscosity Index		ASTM D2270	164
Flash Point COC, min	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-53
FZG Fail Load Stage, min		DIN 51354-2	>12
Demulsibility @82°C	max	DIN 51599	10
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