



INDUSTRIAL GEAR OIL SYNTH 320

Product Description:

INDUSTRIAL GEAR OIL SYNTH 320 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 320 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 micropitting protection (both 90°C and 60°C tests of Winergy and Vestas).

INDUSTRIAL GEAR OIL SYNTH 320 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
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ISO VG Grade		ISO 3448	320
Density@15°C	kg/m ³	ASTM D4052	857.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	321.4
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	41.1
Viscosity Index		ASTM D2270	183
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-45
FZG Fail Load Stage, min		DIN 51354-2	12
Demulsibility @82°C	max	ASTM D1401	15

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