



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

AGMA 9005-F16

Siemens / Flender

ISO 12925-L-CKE

CM P74

AIST 224 (former US Steel 224)

AGMA 9005 E-02

David Brown S1.53.106



Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	100
Density@15°C	kg/m ³	ASTM D4052	851
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	94.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.8
Viscosity Index		ASTM D2270	164
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-48
FZG Fail Load Stage, min		DIN 51354-2	12
Demulsibility @82°C	Min	ASTM D1401	10

Product Nr: 43460

Date Superseded: 09-05-2011

Date Issued: 18-12-2019

Revision nr: 01