

NORDIC EP GEAR OIL SYNTH 100

Fully Synthetic PAO Industrial Gear Oil

NORDIC EP 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.

NORDIC EP GEAR OIL SYNTH 100 is formulated special selected PAO (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 (both 90°C and 60°C tests of Winergy and Vestas)

NORDIC EP GEAR OIL SYNTH 100 exceeds the following performance criteria:

DIN 51517, part 3

AGMA 9005-E02

ISO 12925-1

AIST 224

David Brown S1.53.101 E

Flender

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	100
Density @15°C	kg/m ³	ASTM D4052	852
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	98
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13,4
Viscosity Index		ASTM D2270	149
Flash Point COC, min	°C	ASTM D92	>220
Pour Point	°C	ASTM D7346	-45
FZG Fail Load Stage, min		DIN 51354-2	>12
Total Acid Number	mgKOH/g	ASTM D664	<0.5