



Zephyrus 320

STARFIRE Zephyrus 320 is designed for the most demanding industrial gear and bearing applications. Zephyrus 320 provides exceptional extended protection of industrial gears and bearings, subject to the harshest environment conditions and varying loads and speeds. Zephyrus 320 utilizes a proprietary additive technology that when combined with a fully synthetic, high-viscosity base fluid, achieves unparalleled performance, when compared to mineral oils and more expensive PAO formulations. The proof is in the test results; a DIN 51819-3 FE8 Bearing Test measured 3.5mg at 80kN, easily passing the industry standard of 30 mg.

STARFIRE Zephyrus 320 retains protective film strength and good lubricity under the harshest operating conditions. Zephyrus 320 offers protection from wear, micropitting, corrosion and oxidation, while also providing clean gear performance under high temperatures. Zephyrus 320 reached load stage 10 at both 60°C and 90°C in the FVA micropitting test as well as load stage 14 in the FZG scuffing test at both single and double speed.

STARFIRE Zephyrus 320 meets and exceeds the following specifications:

- DIN 51517-3
- ANSI/AGMA 9005-E02
- IEC 61400-4
- Schaeffler/FAG FE8 (DIN 51819-3)
- Moventas
- Winergy (Field Trial)
- Siemens MD (Rev. 15)

Typical Properties:

STARFIRE Zephyrus 320	
Kinematic Viscosity @ 100°C, cSt	37.0
Kinematic Viscosity @ 40°C, cSt	319.6
Viscosity Index	165
Pour Point, °C	-39
Kinematic Viscosity @ -10°C, cSt	11,815
Brookfield Viscosity @ -26°C, cP	82,000
FZG Failure Load Stage A/8.3/90	>14