



Gearbox oils - Fully Synthetic

Eurol Synmax PAO ISO-VG 460

Synthetic, polyalphaolefin based gearbox lubricant

Description

Eurol Synmax PAO ISO-VG 460 is especially developed for the lubrication of all kinds of heavy loaded toothed gearings and worm wheel gears, especially in applications with high temperatures.

Eurol Synmax PAO ISO-VG 460 is a so-called Mild EP oil with excellent anti-oxidation, anti-wear and anti-corrosion properties, as well as EP (Extreme Pressure) characteristics.

Eurol Synmax PAO ISO-VG 460 has a low friction coefficient, because of the synthetic base oils, which allows less energy consumption and lower operating temperatures.

Eurol Synmax PAO ISO-VG 460 has an excellent oxidation and thermal stability so that allows prolonged drain intervals and therefore reduces maintenance costs.

The evaporation loss is minimized because of the synthetic base oil. In combination with the high viscosity index, a thicker lubrication film is formed at high operating temperatures, compared to mineral products of the ISO-VG class.

Eurol Synmax PAO ISO-VG 460 protects metal parts (including copper from oxidation and corrosion, even if water has contaminated the system. The oil rapidly separates the water from the oil. Because of the excellent compatibility with common rubber materials, loss of quality and swelling of seal materials is prevented.

Performance level

- DIN 51517/3 (CLP)
- AISE (US Steel) 224
- AGMA 9005/E02
- ANSI/AGMA 9005-F16: 2016 AS
- David Brown S1.53.106
- Cincinnati Machine P-74
- ISO 12925-1: 2018-01 CKD

Physical properties

Colour	Yellow	
Density at 20°C	0.85 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	488 cSt	ASTM D 445
Viscosity, kinematic at 100°C	56 cSt	ASTM D 445
Viscosity Index	182	ASTM D 2270
Flash point	230 °C	ASTM D 93
Pour point	-48 °C	ASTM D 97

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