

Eurol Synmax NG ISO-VG 680

Article number E115660 Version 1.0 14/04/2026

Product information

Eurol Synmax NG ISO-VG 680 is specifically developed for the lubrication of all types of heavily loaded gear transmissions and worm gear transmissions, particularly in high-temperature applications.

Eurol Synmax NG ISO-VG 680 is approved for Flender AS 7300 Rev 16.2, thereby meeting and exceeding the Flender requirements.

Eurol Synmax NG ISO-VG 680 is a mild EP oil with excellent anti-oxidation, anti-wear, and anti-corrosion properties, as well as EP properties (Extreme Pressure).

Eurol Synmax NG ISO-VG 680 has a low friction coefficient due to the synthetic base oils, resulting in lower energy consumption and reduced operating temperatures.

Eurol Synmax NG ISO-VG 680 has excellent oxidation and thermal stability, allowing for longer oil change intervals and reducing maintenance costs.

The evaporation loss is minimized thanks to the synthetic base oil. Combined with the high viscosity index, a thicker lubricating film is formed at high operating temperatures than with mineral products of the ISO-VG class.

Eurol Synmax NG ISO-VG 680 protects metal parts (including copper) against oxidation and corrosion, even if the system is contaminated with water. The oil quickly separates the water from the oil. Thanks to the excellent compatibility with common rubber materials, quality loss and swelling of sealing materials are prevented.

Approved

- Flender AS 7300 Rev 16.2

Performance level

- SEW 07 004 05 13
- ZF ZFN-W17-145

Physical properties

Characteristic	Value/Result	ASTM Standard
Color	light yellow	
Density at 20°C	0.85 kg/l	ASTM D 4052
Viscosity, kinematic at 40 °C	675.4 cSt	ASTM D 445
Viscosity, kinematic at 100 °C	78.0 cSt	ASTM D 445
Viscosity index	199	ASTM D 2270
Flash point	235 °C	ASTM D 92
Pour point	-39 °C	ASTM D 97

Eurol B.V., Energiestraat 12, 7442 DA Nijverdal, The Netherlands, tel. +31 88 250 22 00, info@eurol.com, eurol.com

This document is intended to inform you about the product features and possible applications of Eurol products. The information in this document is subject to change at any time without prior notice due to ongoing product research and development. The analysis data in this sheet contains typical values. Minor deviations, which can occur during the normal manufacturing process of the product, will not affect the quality of the product. Although this information sheet has been compiled with great care, Eurol accepts no liability for damages resulting from any incompleteness and/or inaccuracies in the text. We always advise you to follow the manufacturer's instructions. The translations provided here are made using ChatGPT, an AI language model developed by OpenAI. While we strive to deliver accurate and useful translations, we cannot guarantee that all translations are error-free or always capture the correct context and nuances.