

Product Information

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TITAN SUPERGEAR MC SAE 80W-90

Ultra High Performance gear oil for manual transmissions and hypoid axles. Formulated with MC-Base-Oil technology. Suitable for extended oil drain intervals.

Description

TITAN SUPERGEAR MC SAE 80W-90 is an Ultra High Performance gear oil based on selected base oils and an improved additive technology. This ensures optimised oxidation and shear stability, an improved temperature-viscosity behaviour as well as a very good wear and corrosion protection. At the same time, it offers very good compatibility with elastomers and synchroniser materials. Extended oil drain intervals can be achieved according to the manufacturer's recommendations. But it can be used in many other applications.

Application

TITAN SUPERGEAR MC SAE 80W-90 was designed for multifunctional use in transmissions and axles. It is mainly used if API GL-4/API GL-5 is required. TITAN SUPERGEAR MC SAE 80W-90 is suitable for synchronised and non-synchronised transmissions.

TITAN SUPERGEAR MC SAE 80W-90 is miscible and compatible with conventional, branded gear oils. However, mixing with other gear oils should be avoided in order to fully exhaust this product's benefits. A complete oil drain is recommended before converting to TITAN SUPERGEAR MC SAE 80W-90. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

Advantages

- Multifunctional application profile, ideal for product rationalisation.
- Very good viscosity-temperature behaviour for improved lubrication at very low and very high operation temperatures.
- Optimised cold flow properties for improved shifting, lubrication and wear protection with cold oil.
- Stable lubricating film even with very hot oil and/or very high loads.
- Very good shear stability preventing from viscosity loss.
- Very good corrosion protection and compatibility with non-ferrous metals.
- Protection against foaming, even at high speeds.
- Compatible with synchroniser materials.

Specifications

- API GL-4/GL-5

Approvals

- DTFR 12B100 (MB 235.0)
- EvoBus 26.000-032
- EvoBus 26.000-034
- MAN 341 TYPE Z2
- MAN 342 TYPE M2
- MB-APPROVAL 235.0
- SCANIA STO 1:0
- SCANIA STO 1:1 G
- ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A (ZF000722)

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FUCHS Recommendations

- API MT-1
- CASE MS 1316
- FORD WSP-M2C197-A
- JOHN DEERE JDM J11E
- MAN M 3343 TYPE M
- MAN 341 TYPE E2
- NH 520A
- SDFG OP 1705
- STEYR B-101
- VOLVO 97310
- ZF TE-ML 07, 08

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TYPICAL CHARACTERISTICS

Density at 15°C	DIN 51757	0.898 g/ml
SAE Grade	SAE J300	80W-90
Kinematic Viscosity at 40°C	DIN 51562-1	142 mm ² /s
Kinematic Viscosity at 100°C	DIN 51562-1	15.6 mm ² /s
Viscosity Index	DIN ISO 2909	114
Pour Point	DIN ISO 3016	-27 °C
Product Dyeing	DIN 10964	none

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Notes

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS (UK) plc in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally valid statements about the function of our products are not possible.

Our products must not be used in aircraft or spacecraft. Our products may be used in manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or spacecraft.

The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS LUBRICANTS (UK) plc application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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