

Product Information

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TITAN FFL-7A

Premium Performance DCTF. Specifically developed for the third generation double-clutch transmissions of Magna GETRAG with wet clutch.

Description

TITAN FFL-7A is a special transmission oil that was developed in an exclusive partnership with Magna GETRAG for the specific demands of Magna GETRAG double-clutch transmissions. TITAN FFL-7A was developed to meet modern requirements; it is based on selected base oils and state-of-the-art additive technology. It ensures optimum friction properties and precise/fast shifting even under the most extreme loads. Moreover TITAN FFL-7A meets the complex non-ferrous metal and electronic component requirements, which are of critical importance for the proper functioning of the electrical /hydraulic control circuit. TITAN FFL-7A offers optimum wear and tear protection throughout the component's life cycle. Significant improvements in fuel economy and CO₂ emissions were achieved by lowering the dynamic viscosity and employing a new additive technology of TITAN FFL-7A.

Application

TITAN FFL-7A was developed specifically for use in GETRAG third-generation double-clutch transmissions (7DCT300, 6DCT200 and 6DCT150) in various BMW, FORD, RENAULT and Mercedes-Benz models. To maintain the unobjectionable operation of the transmission, TITAN FFL-7A must not be mixed with any other transmission oil. In order to fully exhaust the products benefits mixing with other gear oils should be avoided and a complete oil drain is recommended before converting to TITAN FFL-7A. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

Advantages

- Only approved product according to MB 239.21!
- Friction characteristics specifically optimised for the Magna GETRAG double-clutch system.
- Excellent friction stability for constantly smooth gear shifting throughout the oil drain interval.
- Excellent wear protection.
- Superior protection against foaming.
- Outstanding compatibility with non-ferrous metals and electric components of hydraulic control circuits.
- Suitable for selected hybrid vehicles subject to OEM requirements.

Specifications

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Approvals

- MB-APPROVAL 239.21

FUCHS Recommendations

- BMW 83 22 2 433 157 (DCTF 2)
- FORD WSS-M2C218-A1 (F-DC)
- RENAULT 77 11 785 243 (DW5)

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TYPICAL CHARACTERISTICS

Density at 15°C	DIN 51757	0.831 g/ml
SAE Grade	SAE J306	70W-70
Kinematic Viscosity at 40°C	DIN 51562-1	24.8 mm ² /s
Kinematic Viscosity at 100°C	DIN 51562-1	5.4 mm ² /s
Viscosity Index	DIN ISO 2909	154
Pour Point	DIN ISO 3016	-54 °C
Product Dyeing		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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