



TITAN GEAR HYP LD SAE 80W-90

Super High Performance axle oil specially developed for Mercedes-Benz commercial vehicles. Offering enhanced thermal stability and fuel-economy potential.

Description

TITAN GEAR HYP LD SAE 80W-90 is a modern mineral hypoid gear oil developed for axle transmissions of Mercedes-Benz commercial vehicles. The product was specifically developed for the new HL-6 axle but is downward compatible with previous axle models.

Application

The MB 235.20 specification allows the use in all DC hypoid axles (also covers MB 235.0) and requires oil changes only every 3 years or after 350,000 km. The new DaimlerChrysler HL-6 axles may only be filled with oils compliant with 235.20, such as TITAN GEAR HYP LD SAE 80W-90! The product is also recommended or approved for many other applications. TITAN GEAR HYP LD 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 utilize the product's benefits. A complete oil change is recommended when converting to TITAN GEAR HYP LD SAE 80W-90. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

Advantages/Benefits

- The new mineral-oil-based axle fluid excels with improved thermo-oxidative stability
- The new formulation offers optimum wear protection under toughest operating conditions
- It potentially improves efficiency and thus reduces fuel consumption
- Long drain intervals possible

Specifications

- API GL-5
- API MT-1

Approvals

- MAN 342 TYPE M3
- MB-APPROVAL 235.20
- ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A

FUCHS Recommendations

- MIL-PRF-2105 E
- ARVIN MERITOR AXLES
- MACK GO-J
- JOHN DEERE JDM J 11 E
- SCANIA STO 1:0
- ZF TE-ML 07A



CHARACTERISTICS

Density at 15 °C	DIN 51757	0.902 g/ml
Colour	DIN ISO 2049	2 ASTM
Flash Point, CoC	DIN ISO 2592	205 °C
Pour Point	DIN ISO 3016	-28 °C
Foaming Tendency Seq. I/II/III	ASTM D 892	0/0; 0/0
Dynamic Viscosity at - 40°C	DIN 51398	145,000 mPas
Kinematic Viscosity at 40°C	DIN 51562-1	149 mm ² /s
Kinematic Viscosity at 100°C	DIN 51562-1	15.2 mm ² /s
Viscosity Index	DIN ISO 2909	103



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We therefore recommend that you consult a FUCHS EUROPE SCHMIERSTOFFE GMBH 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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