Product Code:

MN8121

HD GEAR OIL



Fully Synthetic Gear Oil

Specifications:

SAE 80W-140
API GL-5
API MT-1
Scania STO 1:0
VOLVO 97310
JOHN DEERE JDM J11E
OPEL 19 42 386
RENAULT VI
DANA CORP AXLE DIV
EATON PS-037
EATON PS-163
MACK GO-J
MERITOR 0-76-B
MERITOR 0-80
MIL-PRF-2105E
ZF TE-ML 05A, 08, 12M, 16C, 21A

Description:

Mannol HD Synthetic Gear Oil is specially formulated for heavy-duty manual transmissions, differentials, and transfer cases operating in severe service conditions (such as temperature extremes, extended drain intervals, etc.) and requiring an extreme pressure API GL-5 gear lubricant. It is engineered from premium synthetic base oils and select additives to provide extended protection against wear, rust, corrosion, heat, and oxidation.

Applications:

Mannol HD Synthetic Gear Oil is designed for use in heavy-duty manual transmissions, differentials, and transfer cases that operate in extreme conditions, including temperature variations and extended drain intervals. It is ideal for vehicles and equipment requiring a high-performance, extreme pressure (API GL-5) gear lubricant. This oil is particularly suitable for trucks, SUVs, construction machinery, and other heavy-duty applications where high load and stress conditions are common. It provides optimal protection for gear components under challenging operational environments.

www.mannol.de

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Features / Benefits:

- **Superior Wear Protection:** Provides excellent protection against wear and tear, extending the lifespan of gears and other critical components in extreme operating conditions.
- **Enhanced Load Carrying Capacity:** Designed to withstand high-pressure environments, ensuring reliable performance under heavy loads and stress.
- **Extreme Temperature Stability:** Maintains optimal viscosity and performance across a wide temperature range, providing consistent protection in both high and low temperatures.
- **Rust and Corrosion Resistance:** Effectively protects metal parts from rust and corrosion, even in humid or wet conditions, increasing durability and reliability.
- **Oxidation Resistance:** Reduces oxidation and sludge formation, preventing the oil from breaking down under high temperatures, which enhances the overall performance and longevity of the gear system.
- **Extended Drain Intervals:** Formulated for longer drain intervals, reducing the need for frequent oil changes, saving time and maintenance costs.
- **API GL-5 Compliance:** Meets the requirements of API GL-5, ensuring suitability for heavy-duty gear systems that demand high levels of protection.
- **Premium Synthetic Base:** Crafted using premium synthetic base oils and carefully selected additives for enhanced performance and durability.

TYPICAL PROPERTIES

Test	Test Method	Unit	Value
Kinematic Viscosity @ 40 °C	D 445	mm^2/s	26.55
Kinematic Viscosity @ 100 °C	D 445	mm^2/s	215.8
Viscosity Index	D 2270		157
Brookfield Viscosity -26 °C	D 2983	mPa.s	120 000
Pour point	D 97	°C	-30
Flash point (COC)	D 92	°C	255
Density @ 15 °C	D 7042	kg/m^3	886

These data are given as an indication of typical values, not exact specifications.

Volume:

20L, 208L, 1000L

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