Mobil

Mobil Delvac 1™ Transmission Fluid 50

Mobil Commercial Vehicle Lube , Mexico

Supreme Performance Transmission Lubricant

Product Description

Mobil Delvac 1™ Transmission Fluid 50 is a fully synthetic, manual transmission lubricant engineered to meet the most demanding extended drain and OEM warranty requirements. It is recommended for year-round lubrication of manual transmissions in light to severe duty on- and off-highway equipment operating in a wide range of environments. Designed to provide maximum protection and extended operating life to heavy duty transmissions, Mobil Delvac 1 Transmission Fluid 50 provides significant advantages over conventional sulphur-phosphorus gear oils, including outstanding high-temperature performance, oxidation stability, wear protection, and corrosion control.

It has the same viscosity as most SAE 50 engine oils and SAE 90 gear lubricants at the high end of the temperature-viscosity scale, and because of its inherently high viscosity index, it provides stronger film strength at higher temperatures than conventional oils. Mobil Delvac 1 Transmission Fluid 50 also ensures effective lubrication at below freezing temperatures without channelling.

Outstanding performance is confirmed by approval against the Mack TO-A Plus 500,000 mile extended service classification for Mack T300 series manual transmissions. Mobil Delvac 1 Transmission Fluid 50 meets or exceeds the requirements of the API service MT-1 classification and is recommended by ExxonMobil for use in transmissions and gear cases where API Service GL-1 through GL-4 (non-EP) gear protection is required.

Features and Benefits

Mobil Delvac 1 Transmission Fluid 50 delivers exceptional performance in today's manual transmissions. The key benefits include:

Features	Advantages and Potential Benefits
Excellent load carrying, anti-wear, and EP performance	Extends transmission life and reduces cost of operation
Outstanding protection against deposit formation	Longer seal life, extended drain and service intervals
Maximum protection from corrosion of copper and its alloys	Protects and extends the life of synchronizers
Optimized thermal and oxidation protection	Extends component life and improves efficiency
Exceptional shear stability	Minimizes wear during severe operation
Outstanding low-temperature fluidity	Reduces wear during cold temperatures and improves shifting with quicker starts
Extended drain and service interval capability	Provides lower operating costs and higher productivity

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty manual transmissions where extended service intervals and warranties are required
- Commercial line haul, vocational, off-road, pick-up and delivery, and bus applications
- Use as a companion with Mobil Delvac Synthetic Gear Oils in rear axles for maximum component life, service efficiency, and fuel economy improvement
- NOT suitable for hypoid gear applications in differentials and final drives, either for topping-off or refills, where API service GL-5, MIL-PRF-2105E or SAE J2360 lubricants are specified

Specifications and Approvals

This product has the following approvals:
Navistar, Inc. MPAPS B-6816 Type 1
ZF FreedomLine

This product has the following approvals:
Mack TO-A Plus

This product is recommended for use in applications requiring:
Eaton PS 164 Rev 7

This product meets or exceeds the requirements of:
API MT-1

Properties and Specifications

Property	
Grade	SAE 50
Density @ 15 C, kg/l, ASTM D4052	0.86
Flash Point, °C, ASTM D92	221
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	17.5
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	132
Pour Point, °C, ASTM D97	-45
Viscosity Index, ASTM D2270	146

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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