



MOBIL DELVAC 1 TRANSMISSION FLUID V50

Mobil Commercial Vehicle Lube , United States

Product Description

Mobil Delvac™ 1 Transmission Fluid V50 is a fully synthetic, heavy duty manual transmission lubricant engineered to meet demanding requirements. Recommended by ExxonMobil for year-round lubrication of manual transmissions requiring Volvo 97315 or Volvo 97319 type oils (refer to owner's manual recommendation) for on-highway commercial medium and heavy duty trucking, including vocational applications, heavy load hauling, and frequent PTO usage. Designed to provide excellent performance, Mobil Delvac 1 Transmission Fluid V50 incorporates the latest lubrication technology based on synthetic basestocks and an advanced additive system providing significant advantages over conventional transmission oils. This advanced additive system provides outstanding detergency and dispersancy with optimized protection against thermal degradation, oxidation, wear, and corrosion. Because of its high viscosity index and synthetic base oil mixture, it provides stronger film strength at higher temperatures than conventional oils. This technology also ensures effective lubrication at extremely low temperatures without oil channeling. Mobil Delvac 1 Transmission Fluid V50 is recommended for manual transmissions and non-hypoid gear-box applications.

Features and Benefits

Features	Advantages and Potential Benefits
Excellent load carrying, anti-wear, and extreme pressure (EP) performance	Helps to protect against wear under harsh operating conditions throughout the transmission life
Outstanding protection against deposit formation	Contributes to long seal life, extended drain, and service intervals
High protection from corrosion of copper and its alloys	Helps to protect and extend the life of synchronizers while delivering smoother shifting performance
Optimized thermal and oxidation protection	Contributes to extended drain and service intervals for controlled maintenance costs
Exceptional shear stability	Helps to maintain effective viscosity and film strength for better wear protection during severe operation
Outstanding low temperature fluidity	Contributes to quicker starts, easy shifting and helps to reduce wear during cold temperature start-ups
Extended drain and service interval capability	Helps to reduce operating costs and contributes to improved productivity
Optimized and stable friction properties	Contributes to smooth and rapid gear shifting

Applications

Recommended by ExxonMobil for use in:

- Heavy duty manual transmissions, specifically those requiring Volvo 97315 or Volvo 97319 type oils (refer to owner's manual recommendation)
- On-highway commercial medium and heavy duty trucking, including vocational applications, heavy load hauling, and frequent PTO usage
- Applications in regions where severe winter temperatures are encountered
- Applications where extended service intervals and warranties are required
- Association with Mobil Delvac synthetic gear oils in rear axles for exceptional drivetrain 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 or MIL-PRF-2105E lubricants are specified in the owner's manual.

Specifications and Approvals

This product has the following approvals:
VOLVO 97315
VOLVO 97319

This product is recommended for use in applications requiring:
API GL-4

Properties and Specifications

Property	
Grade	SAE 75W-90
Viscosity Index, ASTM D2270	172
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	115
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	17.8
Flash Point, °C, ASTM D92	252
Pour Point, °C, ASTM D97	-42
Density @ 15.6 C, g/ml, ASTM D4052	0.85

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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