Mobil

Mobil Delvac 1™ Transmission Fluid 75W-80

Mobil Commercial Vehicle Lube , Guam

MANUAL AUTOMOTIVE TRANSMISSION FLUID

Product Description

Mobil Delvac 1 Transmission Fluid 75W-80 is an extra high performance manual transmission lubricant engineered for the latest, European heavy duty manual transmissions used in light to severe duty on-highway commercial vehicles. This transmission lubricant is a synthetic blend of base oils and an advanced additive system with excellent shifting performance, low temperature fluidity and high temperature viscosity retention. Mobil Delvac 1 Transmission Fluid 75W-80 is formulated with extended performance reserve for applications requiring API GL-4 service and more specifically modern transmissions requiring ZF TE-ML 02L and/or MAN 341 Typ Z4 approvals which now supersedes ZF TE-ML 02D and MAN 341 Typ Z3.

Features and Benefits

Today's technology has vastly improved the performance capabilities of on highway vehicle load, speed, and control through innovative drivetrain designs. These designs have increased the requirements of lubricants to deliver a higher level of performance. For heavy duty manual transmissions, friction control, wear reduction, thermal stability, shear stability, rust and corrosion inhibition, and seal protection are features that must be optimally balanced to provide extended gear and synchronizer life, smooth shift control, and high load capability over a wide range of applications. Mobil Delvac 1 Transmission Fluid 75W-80 delivers exceptional performance in current as well as older model manual transmissions. The key benefits include:

Features	Advantages and Potential Benefits
Excellent load carrying, anti-wear, and extreme pressure performance	Helps to protect against wear under harsh operating conditions throughout the transmission life
Excellent protection against deposit and lacquer formation	Contributes to long seal life, and to extended drain and service intervals
Excellent protection from corrosion of copper and its alloys	Helps to protect and to extend the life of synchronisers while delivering smoother shifting performance
Effective thermal and oxidation protection at high operating temperatures	Contributes to extended drain and service intervals for controlled maintenance costs
Excellent shear stability	Helps to maintain effective viscosity and film strength for wear protection during severe operation
Outstanding low-temperature fluidity	Contributes to easy and smooth shifting, and quick starts
Extended service capability	Helps to control operating costs and contribute to productivity

Applications

Recommended by ExxonMobil for use in:

- On-highway light and heavy duty trucks, busses, and vans
- Heavy duty manual transmissions and gear cases where API GL-4 service level is desired and where ZF TE-ML 02L and/or MAN 341 Typ Z4 approvals are required.
- Where extended service and warranties are required

Specifications and Approvals

MOBIL DELVAC 1 TRANSMISSION FLUID 75W-80 is recommended by ExxonMobil for use in applications requiring:
MAN 341 Typ E3

This product has the following builder approvals:
MAN 341 Typ Z4
ZF TE-ML 01L
ZF TE-ML 02L
ZF TE-ML 16K

This product is recommended by ExxonMobil for use in applications requiring:
API GL-4
ZF TE-ML 08

Properties and Specifications

Property	
Grade	SAE 75W-80
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	55.7
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	9.5
Viscosity Index, ASTM D2270	155
Pour Point, °C, ASTM D97	-42
Flash Point, Cleveland Open Cup, °C, ASTM D92	234
Density @ 15 C, kg/l, ASTM D4052	0.858

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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