



Mobil Delvac 1 Transmission Fluid Arctic

Mobil Commercial Vehicle Lube , New Zealand

Supreme Performance Drivetrain Lubricant

Product Description

Mobil Delvac 1 Transmission Fluid Arctic is a supreme performance, synthetic drivetrain lubricant engineered to meet the demanding requirements of manufacturers of heavy-duty commercial equipment in extremely cold climate applications. It is recommended by ExxonMobil for use in truck and other commercial transmissions where Caterpillar TO-4 and Allison C-4 performance specifications are required. Mobil Delvac 1 Transmission Fluid Arctic provides outstanding clutch brake compatibility and friction control along the widest temperature range performance.

The state-of-the-art technology behind Mobil Delvac 1 Transmission Fluid Arctic incorporates the highest performance components formulated to provide optimum protection against wear, corrosion, thermal degradation, and oxidation. The product is very shear stable as it contains no viscosity modifiers. It also provides extended clutch and transmission life and longer component life compared to other types of fluids previously used in these applications.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty on and off-highway equipment in terms of load, speed, control, and reliability through innovative drivetrain designs. These designs have increased the requirements of drivetrain fluids to deliver higher levels of performance, increase productivity, and reduce operating costs. For heavy-duty transmissions, friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and seal protection features that must be optimally balanced to provide extended gear and synchronizer life, smooth shift control, fuel economy, and high load capability over a wide range of applications. Mobil Delvac 1 Transmission Fluid Arctic delivers exceptional performance in today's drivetrains where extremely cold ambient temperatures are encountered. The key benefits include:

Features	Advantages and Potential Benefits
Excellent load carrying, anti-wear, and extreme pressure performance	Extended transmission life and reduced 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	Cleaner transmissions live longer and run smoother
Excellent shear stability with no viscosity modifiers	Maintains effective viscosity and film strength during severe operation
Exceptional low-temperature fluidity and pumpability	Easier smoother shifting with quicker starts and better lubrication
Extended drain and service interval capability	Lower operating costs and higher productivity
Improved frictional properties	Optimum clutch-friction retention and slippage control, improved brake performance (anti-chatter), reliable fuel economy, and lower operating costs

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty automotive type manual transmissions and gear cases
- On-highway commercial light and heavy-duty trucking, busses, and vans using Allison manual, powershift, or automatic transmissions
- Off-highway industries including: construction, mining, and agriculture
- Applications where extended service intervals are required and especially in extremely cold environments
- Final drives requiring Caterpillar TO-4 fluids

Specifications and Approvals

This product is recommended by ExxonMobil for use in applications requiring:
Allison C-4
This product meets or exceeds the requirements of:
CATERPILLAR TO-4

Properties and Specifications

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	81
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	12.2
Viscosity Index, ASTM D2270	146
Pour Point, °C, ASTM D97	-51
Flash Point, Cleveland Open Cup, °C, ASTM D92	228
Density @ 15 C, kg/l, ASTM D4052	0.854

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.as>

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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 properties may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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