



Mobil Delvac™ 1 Transmission Fluid Arctic

Mobil Commercial Vehicle Lube , Australia

Supreme Performance Drivetrain Lubricant

Product Description

Mobil Delvac Synthetic 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 Synthetic Transmission Fluid Arctic provides outstanding clutch and brake compatibility and friction control along the widest temperature range performance.

The state-of-the-art technology behind Mobil Delvac Synthetic 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 Synthetic 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 brass 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), reliability, 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

Mobil Delvac Synthetic Transmission Fluid Arctic meets or exceeds the following industry and builder specification:
Caterpillar TO-4

Mobil Delvac Synthetic Transmission Fluid Arctic is recommended for use in applications requiring:
Allison C-4

Typical Properties

Mobil Delvac Synthetic Transmission Fluid Arctic	
SAE Grade	10W-30
Viscosity, ASTM D 445	
cSt @ 40°C	81
cSt @ 100°C	12.2
Viscosity Index, ASTM D 2270	146
Pour Point, °C, ASTM D 97	-51
Flash Point, °C, ASTM D 92	228
Density @ 15°C kg/l, ASTM D 4052	0.854

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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09-2019
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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 product may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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