



MOBIL DELVAC 1 GEAR OIL 75W-90

Mobil Commercial Vehicle Lube, United States

Fully Synthetic Heavy Duty Drivetrain Lubricant

Product Description

Mobil Delvac 1 Gear Oil 75W-90 is a fully synthetic drivetrain lubricant engineered to meet very demanding extended drain and warranty requirements. This product is designed for use in heavy-duty drivetrains that require gear lubricants with excellent load-carrying capability and where extreme pressures and shock loading are expected. Mobil Delvac 1 Gear Oil 75W-90 incorporates synthetic basestock and advanced additives providing significant advantages over conventional gear oils.

The state-of-the-art technology in Mobil Delvac 1 Gear Oil 75W-90 delivers excellent performance, helps to protect against thermal degradation and oxidation, contributes to reduced wear and corrosion, improved shear stability and extended service capability.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty on and off-highway equipment load, torque, speed, and control through innovative drivetrain designs. These designs have changed and increased the requirements of lubricants to deliver this higher level of performance, increase productivity, and reduce operating costs. For heavy-duty final drives, friction control, wear protection, thermal stability, shear stability, rust and corrosion prevention, and seal protection are features that must be optimally balanced to contribute to extended gear and seal life, smooth operation, improved fuel economy potential and high load high torque capability over a wide range of applications. The key benefits of Mobil Delvac 1 Gear Oil 75W-90 include:

Features	Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Long gear and bearing life due to minimal deposits Long seal life
Outstanding protection against low speed/high torque wear and high speed scoring	Increased load-carrying capability. Helps to reduce maintenance costs and long equipment life
Exceptional shear stability	Helps to retain viscosity and film strength under severe operating conditions to prevent wear
Enhanced friction reduction properties	Has potential for fuel economy and reduce operating costs

Features	Potential Benefits
Outstanding low temperature fluidity versus conventional oils	Helps to Reduce wear and ease of start-up
Good resistance to foaming	Helps to maintain film strength for reliable lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

- Heavy duty non-synchronized manual transmissions, axles and final drives requiring API GL-5 and MT-1 performance
- On-highway light and heavy duty trucks, busses and vans
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty industrial gear drives including hypoid and worm gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Mobil Delvac 1 Gear Oil 75W-90 is intended for initial fill, topping-off or refilling differentials, final drives and transfer cases
- Recommended for equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures
- Recommended where extended service intervals and warranties are required
- Not recommended for applications requiring API GL-4 level performance
- Not intended for automatic, manual or semiautomatic transmissions for which engine oil or automatic transmission fluids are recommended

Specifications and Approvals

Mobil Delvac 1 Gear Oil 75W-90 meets or exceeds the requirements of:	
API GL-5/MT-1	X
Scania ST0 1:0	X
ISUZU Axle Oil	X
ISUZU LCV Front Axle Oil	X
ISUZU Large Manual Transmission Oil	X
Meritor 0-76-N	X
BOSCH TE-ML 08	X

Mobil Delvac 1 Gear Oil 75W-90 has the following builder approvals:	
Volvo 97312	X
SAE J2360	X
Dana SHAES 256 Rev C / 429	X

Mobil Delvac 1 Gear Oil 75W-90 has the following builder approvals:	
Detroit Fluids Specification 93K219.01	X
Mack GO-J Plus	X
MAN 342 Typ M2	X
MB-Approval 235.8	X
VOITH TURBO 132.00374401 / 132.00374402	X
ZF TE-ML 05B / 12L / 12N / 16F / 17B/ 19C / 21B	X
SCANIA STO 2:0 A	X
SCANIA STO 2:0 A FS	X
Navistar MPAPS B-6821	X
Hyundai Dymos P1105S Axle - Low Floor Rear Axel	X
Flender Railway Gears T7302	X

Mobil Delvac 1 Gear Oil 75W-90 is recommended by ExxonMobil for use in applications requiring:	
Eaton PS 163	X
MIL-PRF-2105E	X

Typical Properties

Mobil Delvac 1 Gear Oil 75W-90	
SAE Grade	75W-90
Viscosity, ASTM D 445	
cSt @ 40°C	120
cSt @ 100°C	15.9
Viscosity Index, ASTM D 2270	140
Pour Point, °C, ASTM D 97	-48
Flash Point, °C, ASTM D 92	205
Density @ 15°C kg/l, ASTM D 4052	0.86

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, or will be provided by seller to customers if and as legally required. 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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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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