



Mobil Delvac 1™ Gear Oil 75W-90
Mobil Commercial Vehicle Lube , Czech Republic
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 loads 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, and 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 features that must be optimally balanced to contribute to extended gear and seal life, smooth operation, improved fuel economy potential and high load high speed capability over a wide range of applications.

The key benefits of Mobil Delvac 1 Gear Oil 75W-90 include:

Features	Advantages and 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
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, 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

This product has the following approvals:
Dana SHAES 256 Rev C
Dana SHAES 429
Detroit Fluids Specification 93K219.01
HYUNDAI DYMOS P110SS AXLE - Low Floor Rear Axle
Mack GO-J Plus
MAN 342 Typ M2
MB-Approval 235.8
Navistar, Inc. MPAPS B-6821
SAE J2360
Voith Turbo 132.00374401
Voith Turbo 132.00374402
VOLVO 97312
ZF TE-ML 05A
ZF TE-ML 12L
ZF TE-ML 12N
ZF TE-ML 16F
ZF TE-ML 17B
ZF TE-ML 19C
ZF TE-ML 21A
Siemens Traction Gears GmbH (former Flender Rail) T7302
Meritor O-95

This product is recommended for use in applications requiring:
Eaton PS-163
MIL (US) MIL-PRF-2105E

This product meets or exceeds the requirements of:

This product meets or exceeds the requirements of:
API GL-5
API MT-1
R. Bosch AS TE-ML 08
ISUZU Axle Oil
ISUZU Large Manual Transmission Oil
ISUZU LCV Front Axle Oil
Meritor O-76-N

Properties and Specifications

Property	
Grade	SAE 75W-90
Density @ 15.6 C, kg/l, ASTM D4052	0.86
Flash Point, Cleveland Open Cup, °C, ASTM D92	205
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.0
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	120
Pour Point, °C, ASTM D97	-48
Viscosity Index, ASTM D2270	140

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 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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