



## Mobil Delvac 1™ Gear Oil 75W-90

Mobil Commercial Vehicle Lube , Thailand

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	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 finaldrives 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

<b>This product has the following approvals:</b>
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Dana SHAES 256 Rev C
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Dana SHAES 429
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Detroit Fluids Specification 93K219.01
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HYUNDAI DYMOS P110SS AXLE - Low Floor Rear Axle
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Mack GO-J Plus
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MAN 342 Typ M2
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MB-Approval 235.8
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Navistar, Inc. MPAPS B-6821
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SAE J2360
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Voith Turbo 132.00374401
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Voith Turbo 132.00374402
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VOLVO 97312
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ZF TE-ML 05A
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ZF TE-ML 12L
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ZF TE-ML 12N
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ZF TE-ML 16F
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ZF TE-ML 17B
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ZF TE-ML 19C
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ZF TE-ML 21A
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Siemens Traction Gears GmbH (former Flender Rail) T7302
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Meritor O-95
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<b>This product is recommended for use in applications requiring:</b>
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Eaton PS-163
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**This product is recommended for use in applications requiring:**

MIL (US) MIL-PRF-2105E

**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, mm <sup>2</sup> /s, ASTM D445	15.0
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /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.aspx>

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ExxonMobil Marketing (Thailand) Limited

3195/26, 22nd Floor, Rama IV Road

Klong Ton, Klong Toey District

Bangkok 10110

Thailand

+66 2 407 4000

<http://www.exxonmobil.com>

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](http://www.exxonmobil.com)

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