



Mobil Delvac™ 1 Gear Oil 75W-140

Mobil Commercial Vehicle Lube , Finland

FULLY SYNTHETIC HEAVY DUTY GEAR LUBRICANT

Product Description

Mobil Delvac™ 1 Gear Oil 75W-140 is a fully synthetic drivetrain lubricant engineered to meet demanding performance requirements including API GL-5. This product is designed for use in heavy-duty drivetrains that require gear lubricants with relatively high viscosity and excellent load-carrying capability and where extreme pressures and shock loading are expected. Mobil Delvac 1 Gear Oil incorporates synthetic basestock and advanced additives providing significant advantages over mineral gear oils.

The state-of-the-art technology in Mobil Delvac 1 Gear Oil 75W-140 excellent performance for wide temperature range application, helps to protect against thermal degradation and oxidation and contributes to reduced wear and corrosion, improved shear stability and fuel economy.

It is formulated to provide an inherently higher viscosity index using synthetic base oils providing stronger film strength at higher temperatures than mineral oils. This technology also ensures effective lubrication at below freezing temperatures without channelling.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty on and off-highway equipment in terms of load, torque, speed, control, and reliability through innovative drivetrain designs. These designs have markedly changed and increased the requirements of lubricants to deliver this higher level of performance, increase productivity, and reduce operating costs. For heavy duty drivetrains, 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 and high load high torque capability over a wide range of applications and operating environments.

The key benefits 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. Reduced maintenance costs and long equipment life
Exceptional shear stability	Retains viscosity and film strength under severe operating conditions to prevent wear
Outstanding low temperature fluidity versus mineral oils	Reduced wear and ease of start-up
Good resistance to foaming	Maintains film strength for reliable lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Heavy duty manual transmissions, axles and final drives requiring API GL-5 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
- Differentials, final drives, transfer cases and other gear applications where lubricants meeting API service GL-5, multipurpose, or EP gear lubricants are recommended
- Equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures
- 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 meets or exceeds the requirements of the following industry and builder specifications:

API GL-5

Properties and Specifications

Property	
Grade	SAE 75W-140
Density @ 15 C, g/cm ³ , ASTM D4052	0.89
Flash Point, Cleveland Open Cup, °C, ASTM D92	203
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	25
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	182
Pour Point, °C, ASTM D97	-45
Viscosity Index, ASTM D2270	170

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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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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