Mobil Delvac 1™ Gear Oil 80W-140

Mobil Commercial Vehicle Lube , Central America

Supreme Performance Commercial Gear Lubricants

Product Description

Mobil Delvac 1™ Gear Oil 80W-140 are synthetic drivetrain lubricants engineered to meet the most demanding extended drain and warranty requirements. These products are 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 80W-140 incorporate the latest technology in synthetic basestocks and advanced additives providing significant advantages over mineral gear oils.

The state-of-the-art technology in Mobil Delvac 1 Gear Oil 80W-140 delivers unsurpassed performance for low and high temperature application, protection against thermal degradation and oxidation, reduced wear and corrosion, improved shear stability, extended service capability, and excellent fuel economy. These products meet or exceeds the requirements of API service MT-1/GL-5 EP gear oil service classification and are recommended by ExxonMobil for use in applications requiring the MIL-PRF-2105E specification.

Features and Benefits

Features	Advantages and Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits Longer seal life
Outstanding protection against low speed/high torque wear and high speed scoring	Increased load-carrying capability Reduced maintenance costs and longer equipment life
Exceptional shear stability	Retains viscosity and film strength under severe operating conditions to prevent wear
Excellent rust, staining, and corrosion protection of copper and its alloys	Reduced wear and longer component life
Enhanced friction reduction properties	Improved fuel economy and reduced operating costs
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 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
- Differentials, final drives, transfer cases and other gear applications where lubricants meeting MIL-PRF-2105E, API Service GL-5 , EP gear lubricants are recommended
- Equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures

- Applications 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 429
Mack GO-J
Navistar, Inc.MPAPS B-6821
SAEJ2360
ZFTE-ML 05A
ZFTE-ML 12M
ZFTE-ML 16F
ZFTE-ML 21A
MeritorO-95

This product is recommended for use in applications requiring:
Dana SHAES 256 Rev A
MIL (US)MIL-PRF-2105E

This product meets or exceeds the requirements of:
APIGL-5
APIMT-1

Properties and Specifications

Property	
Grade	SAE 80W-140
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	27.9
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	244
Viscosity Index, ASTM D2270	150
Pour Point, °C, ASTM D97	-47
Flash Point, Cleveland Open Cup, °C, ASTM D92	210
Density @ 15.6 C, kg/l, ASTM D4052	

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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