



Mobil Delvac 1 Gear Oil 80W-140

Mobil Commercial Vehicle Lube , Indonesia

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 |
| SAE J2360 |
| ZF TE-ML 05A |
| ZF TE-ML 12M |
| ZF TE-ML 16F |
| ZF TE-ML 21A |

| 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: |
|---|
| API GL-5 |
| API MT-1 |
| Scania STO 1:0 |

Properties and Specifications

| Property | |
|--|-------------|
| Grade | SAE 80W-140 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 27.9 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 244 |
| Viscosity Index, ASTM D2270 | 150 |
| Pour Point, °C, ASTM D97 | -47 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 210 |

| Property | |
|------------------------------------|--|
| 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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