

# Mobil Delvac Synthetic Gear Oil 75W-90, 80W-140

Supreme Performance Commercial Gear Lubricants

## Product Description

Mobil Delvac Synthetic Gear Oil 75W-90 and 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 Synthetic Gear Oil 75W-90 and 80W-140 incorporates 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 Synthetic Gear Oil 75W-90 and 80W-140 is designed to deliver unsurpassed performance for low and high temperature application, protection against thermal degradation and oxidation, wear and corrosion control, shear stability, extended service capability, and fuel economy. These products meet API service MT-1/GL-5 EP gear oil service classification and perform at the MIL-PRF-2105E level.

The outstanding performance of this product is confirmed by its approval for final drives covered by Eaton Roadranger (E500) and ArvinMeritor Extended Warranties of 750,000 miles, with extended oil drains of 500,000 miles. They are also approved by Mack against GO-J Plus (75W-90) and GO-J (80W-140) extended service classifications.

## 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 provide extended gear and seal life, smooth operation, improved fuel economy and high load high torque capability over a wide range of applications. The expected benefits of Mobil Delvac Synthetic Gear Oil 75W-90 and 80W-140 include:

Features	Expected Advantages and 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
Optimized friction reduction properties	Excellent 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	Controls leakage and reduced contamination

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at [www.imperialoil.ca/mobil](http://www.imperialoil.ca/mobil) or by contacting Lubricants and Petroleum Specialties, Technical Services, Technical Help Desk: 1-800-268-3183



## Applications

- 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
- Mobil Delvac Synthetic Gear Oil 75W-90 and 80W-140 are intended for initial fill, topping-off or refilling differentials, final drives, transfer cases and other gear applications where lubricants meeting MIL-PRF-2105E, API Service GL-5 , EP gear lubricants are recommended
- Recommended for equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures
- Use as a companion with Mobil Delvac Synthetic Transmission Fluid 50 in transmissions for maximum drive train life, efficiency and fuel economy improvement
- 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

Mobil Delvac Synthetic Gear Oil meets the following industry and builder specifications:	75W-90	80W-140
API GL-5/MT-1	X	X
SAE J2360	X	X

  

Mobil Delvac Synthetic Gear Oil has the following builder approvals:	75W-90	80W-140
Eaton Roadranger E500 (TM) SHAES 256	X	X
Mack GO-J Plus	X	
Mack GO-J		X
ArvinMeritor 0-76N	X	X
Mercedes Benz 235.8	X	
International TMS-6816	X	X

  

Mobil Delvac Synthetic Gear Oil has the following military quality level:	75W-90	80W-140
MIL-PRF 2105E	X	X

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at [www.imperialoil.ca/mobil](http://www.imperialoil.ca/mobil) or by contacting Lubricants and Petroleum Specialties, Technical Services, Technical Help Desk: 1-800-268-3183



## Typical Properties

Mobil Delvac Synthetic Gear Oil	75W-90	80W-140
SAE Grade	75W-90	80W-140
Viscosity, ASTM D 445		
cSt @ 40°C	120	310
cSt @ 100°C	15.9	31.2
Viscosity Index, ASTM D 2270	140	139
Pour Point, °C, ASTM D 97	-48	-36
Flash Point, °C, ASTM D 92	205	210
Density @ 15°C kg/l, ASTM D 4052	0.859	0.870

## Precautions

Mobil Delvac Synthetic Gear Oil 75W-90 and 80W-140 are manufactured from high quality synthetic base oil, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Special care is also recommended in handling used motor oils. A Service Data Sheet entitled "Safe Handling of Used Motor Oils" is available on request from you Imperial Oil Representative. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

*The Mobil logotype, the Pegasus design, Mobilube and SHC are trademarks of Exxon Mobil Corporation, or one of its subsidiaries.*

1-2006

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at [www.imperialoil.ca/mobil](http://www.imperialoil.ca/mobil) or by contacting Lubricants and Petroleum Specialties, Technical Services, Technical Help Desk: 1-800-268-3183

© 2001 Imperial Oil

® The Mobil logotype and the Pegasus design are registered trademarks of Exxon Mobil Corporation.

™ Trademark of Exxon Mobil Corporation, Imperial Oil, Licensee.

