



Mobil Delvac Synthetic Gear Oil 75W-90

Fully Synthetic Heavy Duty Drivetrain Lubricant

Product Description

Mobil Delvac Synthetic 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 Synthetic 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 Synthetic 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 Synthetic Gear Oil 75W-90 include:

Features	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
Enhanced friction reduction properties	Has potential for fuel economy and reduce operating costs
Outstanding low temperature fluidity versus conventional 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

- 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 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

Mobil Delvac Synthetic Gear Oil 75W-90 meets or exceeds the requirements of:	
API GL-5/MT-1	X
Scania STO 1:0	X
ZF TE-ML 07A / 08	X

Mobil Delvac Synthetic Gear Oil 75W-90 has the following builder approvals:	
ArvinMeritor 0-76N	X
Dana Shaes 256 Rev C / 429	X
Flender BA 7302 Table R1	X
International TMS-6816	X
Mack GO-J Plus	X
MAN 342 Typ M2	X
MB-Approval 235.8	X
VOITH TURBO 3.325-340 / 342	X
ZF TE-ML 05B / 12B / 16F / 17B/ 19C / 21B	X

Mobil Delvac Synthetic Gear Oil 75W-90 is recommended by ExxonMobil for use in applications requiring:	
Eaton PS 163	X
MIL-PRF-2105E	X

Typical Properties

Mobil Delvac Synthetic Gear Oil 75W-90	
SAE Grade	75W-90
Viscosity, ASTM D 445	
cSt @ 40°C	120
cSt @ 100°C	15.9
Viscosity Index, ASTM D 2270	140
Pour Point, °C, ASTM D 97	-48
Flash Point, °C, ASTM D 92	205
Density @ 15°C kg/l, ASTM D 4052	0.86

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office or via the Internet, or will be provided by seller to customers if and as legally required. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Mobil, Delvac, the Mobil logotype, and the Pegasus design are trademarks of Exxon Mobil Corporation, or one of its subsidiaries.

7-2010

Esso Petroleum Company limited
ExxonMobil House, Ermyrn Way, Leatherhead, Surrey KT22 8UX

44 (0)1372 222000
<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

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

Copyright © 2001-2012 Exxon Mobil Corporation. All rights reserved.