

Mobil Delvac MX 15W-40

Extra High Performance Diesel Engine Oil

Product Description

Mobil Delvac MX 15W-40 is an extra high performance diesel engine oil that provides excellent lubrication of today's diesel engines promoting extended engine life. As a result, this product meets or exceeds the specifications of virtually all major European and American engine manufacturers. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets.

The advanced chemistry of this product provides outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high sulphur fuel. Mobil Delvac MX 15W-40 combines a blend of high performance base stocks with a balanced additive system to provide excellent control of oil thickening due to soot build-up and high temperatures as well as outstanding resistance to oxidation, corrosion, and high temperature deposits.

Features and Benefits

High output, low emission diesel engines significantly increase the demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil make-up to replenish depleted additives. Top piston fire rings are located higher on the piston bringing the oil film closer to the combustion chamber where higher temperatures increase thermal stress on the lubricant. Increased fuel injector pressure and retarded timing improve fuel burn efficiency, but also increase engine temperatures and increase soot loads. Mobil Delvac MX 15W-40 is formulated from high performance base oils and a balanced additive system to contribute to optimum engine performance in modern diesel and gasoline engines as well as older models. The key potential benefits include:

Features	Advantages and Potential Benefits
High thermal and oxidation stability	Reduced sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralisation
Stay-in-grade shear stability	Wear protection and viscosity control
Advanced detergency/dispersancy	Cleaner engines and longer component life
Improved soot handling	Improved viscosity control and used oil pumpability
Excellent low temperature properties	Start-up wear protection
Component compatibility	Longer gasket and seal life
Meets demanding specifications of key OEMs	One engine oil for mixed fleet operations

Applications

- Naturally aspirated and turbo-charged diesel powered equipment from leading Japanese, European, and American manufacturers
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Mixed fleet applications



Specifications and Approvals

Mobil Delvac MX 15W-40 meets the following industry and builder specifications:

ACEA E7	X
API CI-4/CH-4/CG-4/CF-4/CF/SL/SJ	X
Cummins CES 20072/1	X
Detroit Diesel 7SE 270 (4 stroke cycle)	X
Caterpillar CAT ECF-2	X

Mobil Delvac MX 15W-40 has the following builder approvals:

Daimler Chrysler MB 228.3	X
Cummins CES 20078/7/6/5	X
Mack EO-M Plus	X
Volvo VDS-2/VDS-3	X
MAN M3275	X
Renault RLD	X
MTU Type 1 (Open crankcase only - 500 hr ODI)	X

Mobil Delvac MX 15W-40 is recommended for use in applications requiring:

Allison C-4	X
ACEA B4, B3, A2	X
Mack EO-M	X

Typical Properties

Mobil Delvac MX 15W-40

SAE Grade	15W-40
Viscosity, ASTM D 445	
cSt @ 40°C	104
cSt @ 100°C	14.3
Viscosity Index, ASTM D 2270	140
Sulfated Ash, wt%, ASTM D 874	1.1
Total Base # , mg KOH/g, ASTM D 2896	10
Pour Point, °C, ASTM D 97	-30
Flash Point, °C, ASTM D 92	215
Density @ 15°C kg/l, ASTM D 4052	0.88



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.

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

ExxonMobil Lubricants & Specialties

All products may not be available locally. For more information, contact your local sales office 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. Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

© 2007 Exxon Mobil Corporation. All rights reserved.