

# **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 progressive additive system to provide superior 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 superior balanced additive system to provide optimum engine performance in modern diesel and gasoline engines as well as older models. The key benefits include:

<b>Features</b>	<b>Advantages and Potential Benefits</b>
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 turbocharged 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:**

API CI-4/CH-4/CG-4/CF/SL/SJ	X
ACEA E7	X
Cummins CES 20072/71	X
Detroit Diesel 7SE 270 (4 stroke cycle)	X
Caterpillar ECF-2	X
JASO DH-1	X
ZF TE-ML 04C	X

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

Daimler Chrysler MB 228.3	X
Cummins CES 20078/77/76	X
Mack EO-N Premium Plus / EO-M Plus	X
Volvo VDS-3/VDS-2	X
MAN M3275	X
Renault RLD	X

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

Allison C-4	X
ACEA E5	X
API CF-4	X

## Typical Properties

**Mobil Delvac MX 15W-40**

SAE Grade	15W-40
Viscosity, ASTM D 445	
cSt @ 40°C	117
cSt @ 100°C	15.5
Viscosity Index, ASTM D 2270	140
Sulfated Ash, wt%, ASTM D 874	1.3
Total Base #, mg KOH/g, ASTM D 2896	12
Pour Point, °C, ASTM D 97	-33
Flash Point, °C, ASTM D 92	230
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 contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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