



## Mobil Delvac MX™ 15W-40

Mobil Commercial Vehicle Lube , Laos

Synthetic Technology Commercial Vehicle 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 using Synthetic Technology 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:

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

Recommended by ExxonMobil for use in:

- 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**

<b>This product has the following approvals:</b>
Mack EO-M Plus
Mack EO-N
MB-Approval 228.3
MTU Oil Category 2
RENAULT TRUCKS RLD-2
VOLVO VDS-3

<b>This product is recommended for use in applications requiring:</b>
ACEA B2
API CG-4
API CF-4
API CF
Cummins CES 20072
Cummins CES 20071
Detroit 7SE 270 (4-STROKE CYCLE)
Mack EO-M
RENAULT TRUCKS RLD
VOLVO VDS-2

<b>This product meets or exceeds the requirements of:</b>
API CI-4
API CH-4
API SL
API SJ
Caterpillar ECF-2
Cummins CES 20078
Cummins CES 20077
Cummins CES 20076

**This product meets or exceeds the requirements of:**

JASO DH-1

ACEA E7

**Properties and Specifications**

Property	
Grade	SAE 15W-40
Ash, Sulfated, mass%, ASTM D874	1.3
Density @ 15.6 C, g/ml, ASTM D4052	0.885
Flash Point, °C, ASTM D92	228
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	14.4
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	106
Pour Point, °C, ASTM D97	-33
Total Base Number, mgKOH/g, ASTM D2896	12
Viscosity Index, ASTM D2270	140

**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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