



Mobil Delvac MX™ 15W-40

Mobil Commercial Vehicle Lube , Norway

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 long engine life. As a result, this product meets or exceeds the requirements 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 engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers, and turbochargers increase thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure and retarded timing require improved oil performance in areas such as oxidation stability, soot dispersancy, and volatility. 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 | |
| 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

This product has the following approvals:

Detroit Fluids Specification 93K215

Mack EO-N

Mack EO-M Plus

MB-Approval 228.3

RENAULT TRUCKS RLD-2

VOLVO VDS-3

MTU Oil Category 2

This product is recommended for use in applications requiring:

ACEA B2

ACEA E3

API CF

API CF-4

API CG-4

Cummins CES 20071

Cummins CES 20072

Mack EO-M

MAN M 3275-1

RENAULT TRUCKS RD

RENAULT TRUCKS RD-2

RENAULT TRUCKS RLD

VOLVO VDS-2

API SH

This product meets or exceeds the requirements of:

API CH-4

API CI-4

API SJ

This product meets or exceeds the requirements of:

API SL

ACEA E7

Caterpillar ECF-2

Cummins CES 20076

Cummins CES 20077

Ford WSS-M2C171-D

Properties and Specifications

| Property | |
|--|------------|
| Grade | SAE 15W-40 |
| Ash, Sulfated, mass%, ASTM D874 | 1.1 |
| Density @ 15 C, kg/m ³ , ASTM D4052 | 0.87 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 225 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 14.6 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 110 |
| Pour Point, °C, ASTM D97 | -36 |
| Total Base Number, mgKOH/g, ASTM D2896 | 9.2 |
| Viscosity Index, ASTM D2270 | 136 |
| Cold-Cranking Simulator, Apparent Viscosity @ -20 C, mPa.s, ASTM D5293 | 5800 |

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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04-2021

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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

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