



Mobil Delvac MX LD1 15W-40

Mobil Commercial Vehicle Lube , Brazil  
Extra High Performance Diesel Engine Oil

Product Description

Mobil Delvac MX LD1 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 LD1 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 frequent 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 temperatures increase thermal stress on the lubricant. Increased fuel injector pressure and retarded timing improve fuel burn efficiency, but also increase combustion temperatures and increase soot loads. Mobil Delvac MX LD1 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:

Features	Advantages and Potential Benefits
High thermal and oxidation stability	Reduced sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralization
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 Meets demanding specifications of key OEMs	Longer gasket and seal life 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
  - Light duty vehicles

Specifications and Approvals

Mobil Delvac MX 15W-40 meets or exceeds the requirements of the following industry and builder specifications:
API CI-4/CH-4/SL

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ACEA E7

JASO DH-1

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

MB-Approval 228.3

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## 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 Number, 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. 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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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](http://www.exxonmobil.com)

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