



## Mobil Delvac MX Extra 10W-40

### Extra High Performance Diesel Engine Oil

#### Product Description

Mobil Delvac MX Extra 10W-40 is a synthetic blend heavy-duty engine oil that provides excellent lubrication of today's diesel and gasoline engines operating in severe applications to keep engines clean and promote long engine life. As a result, this product is recommended by ExxonMobil for European, Japanese and American engines. Mobil Delvac MX Extra 10W-40 is engineered with a blend of advanced technology base stocks and additive system to provide a strong foundation for oxidation resistance, soot handling, and wear control supplemented with excellent piston deposit protection and reduced sludge formation to help provide long engine life. The viscosity and multigrade characteristics provide excellent cold cranking and oil pumpability at low temperatures.

#### 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 Extra 10W-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. Key benefits include:

| <b>Features</b>  | <b>Advantages and Potential Benefits</b>  |
|--|---|
| Increased thermal and oxidation stability  | Reduced sludge build-up, deposits, and long oil and engine life                   |
| Enhanced wear protection   | Long component and engine life  |
| Improved corrosion protection  | Reduced bearing wear to assist with long drain intervals in modern diesel engines |
| Advanced piston deposit control  | Keeps engines clean with reduced maintenance costs and long engine life           |
| Advanced soot handling to control viscosity increase, sludge build up, and filter pressure | Enhanced engine protection for long engine life                                   |
| Enhanced low temperature pumpability   | Faster start up with reduced wear operating in low temperature climates           |

## Applications

### Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered engines built by European, Japanese, and American manufacturers
- On-highway light and heavy-duty trucking including mixed fleets with gasoline engines and cars
- Off-highway industries including: mining, construction, quarrying, and agriculture

## Specifications and Approvals

| <b>Mobil Delvac MX Extra 10W-40 meets or exceeds the following industry specifications:</b> |   |
|---|---|
| ACEA E7   | X |
| API CI-4/CH-4/SL/SJ   | X |
| Renault Trucks RLD/RLD-2  | X |
| Cummins CES 20078/ 20077/ 20076   | X |

| <b>Mobil Delvac MX Extra 10W-40 has the following builder approvals:</b> |   |
|--|---|
| MB-Approval 228.3/235.28   | X |
| Mack EO-M PLUS   | X |
| Volvo VDS-2/VDS-3  | X |
| MAN M3275-1  | X |
| MTU Oil Category 1 (Open crankcase only - up to 500 hours ODI)           | X |

| <b>Mobil Delvac MX Extra 10W-40 is recommended by ExxonMobil for use in applications requiring:</b> |   |
|---|---|
| ACEA B2, A2   | X |
| API CG-4/CF-4 /CF   | X |
| Cummins CES 20072, 20071  | X |

## Typical Properties

| <b>Mobil Delvac MX Extra 10W-40</b> | <b>10W-40</b> |
|-------------------------------------|---------------|
| Viscosity, ASTM D 445               |               |
| cSt @ 40°C                          | 93            |
| cSt @ 100°C                         | 14.2          |
| Viscosity Index, ASTM D 2270        | 150           |
| Sulfated Ash, wt%, ASTM D 874       | 1.2           |
| Total Base, mg KOH/g, ASTM D 2896   | 11.4          |
| Pour Point, °C, ASTM D 97           | -33           |
| Flash Point, °C, ASTM D 92          | 235           |
| Density @ 15°C kg/l, ASTM D 4052    | 0.864         |

## 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 on. 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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