



Mobil Delvac MX™ F3 15W-40

Mobil Commercial Vehicle Lube , El Salvador

High Performance Diesel Engine Oil

Product Description

Mobil Delvac MX™ F3 15W-40 is a high performance diesel engine oil that helps extend engine life in severe on and off highway applications. The advanced chemistry of these products delivers exceptional performance in both modern, high-output engines including those with Exhaust Gas Recirculation (EGR), as well as older engines operating on either low or high sulfur fuels. As a result, Mobil Delvac MX F3 15W-40 meets or exceeds the API CI-4 PLUS service category.

Mobil Delvac MX F3 15W-40 is recommended by ExxonMobil for use in a wide range of heavy duty applications and operating environments found in the trucking, mining, construction, quarrying, marine and agricultural industries. These products will provide outstanding protection in the most demanding diesel engines of Cummins and others requiring an API CI-4 Plus service category diesel engine oil. Mobil Delvac MX F3 15W-40 also meets or exceeds the API SL specification for gasoline engines and mixed fleets.

The outstanding performance reserve of Mobil Delvac MX F3 15W-40 is the result of extensive cooperative development work with major Original Equipment Manufacturers (OEMs) and advanced additive chemistry with patented Trimer technology. These enhancements assure excellent control of oil thickening due to soot build-up and exposure to higher temperatures and provide outstanding resistance to oxidation, corrosion, wear, and high temperature deposits.

Features and Benefits

| Features | Advantages and Potential Benefits |
|---|---|
| Outstanding thermal and oxidation stability | Reduced low temperature sludge build-up and high temperature deposits |
| Extended TBN reserves | Improved soot handling and extended drain intervals |
| Stay-in-grade shear stability | Reduced oil consumption and wear protection Maintains viscosity in severe, high temperature service |
| Excellent low temperature pumpability | Easier engine start-up and reduced wear |
| Superb resistance to corrosion | Longer life of critical wear surfaces |

Applications

Recommended by ExxonMobil for use in:

- High performance diesel applications including pre-2007 turbo-charged, low emission engines designs, including those featuring EGR technology
- On highway applications operating in both high speed/high load and short haul pick-up/delivery
- Off highway applications operating in severe low speed/heavy load conditions
- Modern marine high-speed diesel engines: Cummins

- High performance gasoline engines and mixed fleet operators
- Diesel-powered equipment from Cummins
- On highway heavy duty trucking and off highway including: construction, mining, quarrying, and agriculture

Specifications and Approvals

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| This product has the following approvals: |
| RENAULT TRUCKS RLD-2 |
| Mack EO-N |
| VOLVO VDS-3 |
| Detroit Fluids Specification 93K214 |
| MB-Approval 228.3 |

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| This product meets or exceeds the requirements of: |
| Cummins CES 20078 |
| API CI-4 PLUS |
| Caterpillar ECF-2 |

Properties and Specifications

| Property | |
|--|------------|
| Grade | SAE 15W-40 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 14.2 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 104 |
| Density @ 15 C, g/ml, ASTM D1298 | 0.874 |
| Pour Point, °C, ASTM D5950 | -39 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 236 |
| Total Base Number, mgKOH/g, ASTM D4739 | 10.2 |
| Mini-Rotary Viscometer, Apparent Viscosity, -25 C, mPa.s, ASTM D4684 | 15500 |
| Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683 | 4.0 |
| Cold-Cranking Simulator, Apparent Viscosity @ -20 C, mPa.s, ASTM D5293 | 5500 |

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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