



Mobil Delvac MX™ ESP 10W-30

Mobil Commercial Vehicle Lube , Denmark

Mobil commercial-vehicle-lube , Japan

Product Description

Mobil Delvac MX ESP 10W-30 is an extra high performance diesel engine oil that helps extend engine life in the most severe on and off-highway applications delivering outstanding performance in modern, high-output, low-emission engines including those with Exhaust Gas Recirculation (EGR) and Aftertreatment Systems with Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs). Fully backwards compatible, Mobil Delvac MX ESP 10W-30 will also delivers excellent performance in older conventional engines. As a result, it meets or exceeds the requirements of API CK-4, CJ-4, CI-4 PLUS and CH-4 service categories as well as Original Equipment Manufacturer (OEM) requirements.

Mobil Delvac MX ESP 10W-30 is the result of extensive cooperative development work with major OEMs and is recommended by ExxonMobil for use in a wide range of heavy duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries. This product provides outstanding protection in the most demanding diesel engines including those Volvo engines requiring oils meeting the VDS-4.5 specification. Mobil Delvac MX ESP 10W-30 meets or exceeds the requirements of the API SN specification for gasoline engines and mixed fleets. Mobil Delvac MX ESP 10W-30 is biodiesel compatible.*

*Follow OEM recommendations on potential service adjustments

Features and Benefits

Mobil Delvac MX ESP 10W-30 is formulated with Trimer additive technology and a mixed detergent system to deliver cutting-edge performance in both new and older engines. In addition to assuring excellent control of oil thickening due to soot build-up and outstanding Total Base Number (TBN) retention for long drain intervals, Delvac ESP 10W-30's advanced technology also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits. Recommended for use with biodiesel providing excellent oxidation stability and piston cleanliness.

| Features | Advantages and Potential Benefits |
|--|---|
| Superior soot-viscosity control | Helps to maintain engine efficiency, long engine life and long oil life |
| Outstanding thermal and oxidative stability | Helps to reduce low temperature sludge build-up and high temperature deposits |
| Excellent oil consumption control | Helps to lower oil costs due to less make-up oil during operation |
| Excellent TBN reserves | Helps to improve corrosion protection and to extend drain intervals |
| Stay-in-grade shear stability | Helps to maintain viscosity in severe, high temperature service for greater protection and long engine life |
| Excellent low temperature pumpability | Fast oil flow and helps to reduce wear during engine start-up in low temperatures |
| Superb resistance to corrosive and abrasive wear | Long life of critical wear surfaces |
| Component compatibility | Long gasket, seal, and after treatment (DPF and DOC) life |
| Meets or exceeds demanding specifications of key OEMs and latest API gasoline service category | One engine oil for mixed fleet operations |

Applications

Recommended by ExxonMobil for use in:

- The latest low-emissions, high performance diesel applications equipped with aftertreatment systems using Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC) technologies.
- High-performance diesel applications including turbo-charged designs featuring EGR Technology and diesel applications using older, naturally aspirated engines.

conventional designs.

- On-highway heavy-duty trucking and off-highway including: construction, mining, quarrying, and agriculture.
- 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.
- High performance gasoline engines and mixed fleet operations.
- Diesel-powered equipment from American, European and Japanese OEMs

Specifications and Approvals

| This product has the following approvals: |
|---|
| DQC II-18 LA |
| Mack EO-O Premium Plus |
| MB-Approval 228.31 |

| This product has the following builder approvals: |
|---|
| Detroit Detroit Fluids Specification 93K222 |
| Detroit Fluids Specification 93K218 |
| MACK EOS-4.5 |
| MAN M 3575 |
| RENAULT TRUCKS RLD-3 |
| VOLVO VDS-4.5 |

| This product is recommended by ExxonMobil for use in applications requiring: |
|--|
| API CG-4 |
| API CF |

| This product meets or exceeds the requirements of the following industry and builder specifications: |
|--|
| ACEA E9 |
| ACEA E7 |
| API CK-4 |
| API CJ-4 |
| API CI-4 PLUS |
| API CI-4 |
| API CH-4 |
| API SN |

This product meets or exceeds the requirements of the following industry and builder specifications:

API SM

Caterpillar ECF-3

Cummins CES 20086

ISUZU DEO (w/ DPD Equipped Vehicles)

This product meets or exceeds the requirements of:

ACEA E7

ACEA E9

JASO DH-2

Cummins CES 20081

Properties and Specifications

| Property | |
|--|------------|
| Grade | SAE 10W-30 |
| Ash, Sulfated, mass%, ASTM D874 | 0.9 |
| Density @ 15 C, kg/l, ASTM D4052 | 0.867 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 218 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 12 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 82 |
| Pour Point, °C, ASTM D97 | -33 |
| Total Base Number, mgKOH/g, ASTM D2896 | 9.6 |
| 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.as>

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ExxonMobil Nordic

Affiliate of ExxonMobil Nordic AS, Norway

Gydevang 39-41

DK-3450 Alleroed, Denmark

Tel: +45 45 99 02 10

Fax : +45 45 99 02 80

www.exxonmobil.no

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect pro

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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