MOBIL DELVAC™ MX ESP 10W-40

Mobil Commercial Vehicle Lube , Brazil

Synthetic Technology

Product Description

MOBIL DELVAC MX ESP 10W-40 is an extra high performance synthetic techology diesel engine oil that helps extend engine life in the most severe on and off-highway applications while 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-40 will also deliver the same exceptional performance in older conventional engines. It meets or exceeds the requirements of the API CK-4, CJ-4 service categories as well as key Original Equipment Manufacturer (OEM) requirements.

Features and Benefits

MOBIL DELVAC™ MX ESP 10W-40 is formulated using synthetic technology and a detergent system to deliver excellent performance in both new and older engines. In addition to assuring excellent control of oil thickening due to soot build-up and TBN retention for long drain intervals, Mobil Delvac MX™ ESP 10W-40 advanced technology also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Features	Advantages and Potential Benefits
Excellent 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 wear protection and long engine life
Excellent low temperature pumpability	Fast oil flow and helps to reduce wear during engine start-up in low temperatures
Excellent resistance to corrosive and abrasive wear	Long life of critical wear surfaces
Component compatibility	Long gasket, seal, and after treatment (DPF and DOC) life

Applications

Recommended by ExxonMobil for use in:

• Heavy Duty Diesel Engines including Euro V/VI and China V/VI(1) modern low emissions vehicles, utilizing technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR).

• High-performance diesel applications including turbo-charged designs featuring EGR Technology and diesel applications using older, naturally aspirated conventional designs.

• On-highway heavy-duty trucking and off-highway including: construction, mining, quarrying, and agriculture.

(1) For detailed lubes requirement and application, please refer to the vehicle service manual.

Specifications and Approvals

This product has the following approvals:
Detroit Detroit Fluids Specification 93K222
Detroit Fluids Specification 93K218
MACK EOS-4.5
RENAULT TRUCKS RLD-3
VOLVO VDS-4.5
Cummins CES 20081
Cummins CES 20086
MAN M 3775
MTU Oil Category 2.1
Ford WSS-M2C171-F1

This product is recommended for use in applications requiring:
ACEA E9

This product meets or exceeds the requirements of:
API CJ-4
API CK-4
ACEA E7
Caterpillar ECF-3
API SN

Properties and Specifications

Property	
Grade	SAE 10W-40
Flash Point, Cleveland Open Cup, °C, ASTM D92	219
Density @ 15.6 C, g/ml, ASTM D1298	0.862
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.11
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	92.14
Pour Point, °C, ASTM D97	-48

Property	
Viscosity Index, ASTM D2270	158

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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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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