



## Mobil Delvac Extreme FE 10W-30

Mobil Commercial-Vehicle-Lube , United States

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Premium Synthetic Diesel Engine Oil

### Product Description

Mobil Delvac™ Extreme FE 10W-30 is a premium synthetic, high performance, diesel engine oil that helps extend engine life while providing long drain capability for modern diesel engines operating in extreme conditions. It meets or exceeds the new API FA-4 specification for fuel efficient engines oils as well as key original equipment manufacturer (OEM) requirements.

Mobil Delvac Extreme FE is a boosted formulation designed for extended oil drain service and operations in extreme conditions. Developed in close collaboration with major OEMs, it is recommended for use in the extreme applications and operating environments found in the on-road trucking industry.

Mobil Delvac Extreme FE should only be used where an API FA-4 oil is recommended by the OEM. Before using this product in an engine, users should consult recommendations as shown in an owner's manual or other service bulletins.

### Features and Benefits

Mobil Delvac Extreme FE is formulated with a blend of synthetic basestocks and a boosted additive system tailored to deliver extended performance for up to two times beyond OEM recommended oil drain intervals<sup>1</sup>. The proprietary formulation delivers excellent wear protection, unsurpassed oxidation stability<sup>2</sup>, and outstanding TBN retention. Mobil Delvac Extreme FE also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Mobil Delvac Extreme FE is engineered to provide greater potential fuel economy benefits than typical SAE 10W-30 oils<sup>3</sup>.

The key benefits include:

Features	Advantages and Potential Benefits
Potential to improve fuel economy <sup>3</sup>	Engineered to provide greater potential fuel economy benefits than typical SAE 10W-30 oils.
Unsurpassed oxidation stability <sup>2</sup>	Superior performance in extreme conditions and extended ODI service <sup>1</sup> .
Excellent soot and viscosity control	Greater engine efficiency, long engine life and long oil life
Excellent oil consumption control	Lower oil costs due to less make-up oil during operation
Outstanding TBN reserves	Corrosion protection and extended drain intervals for both new and old engines using up to 500 ppm sulfur diesel fuel.
Low temperature fluidity and pumpability	Formulated for smooth starting in cold weather
Resistance to corrosive and abrasive wear	Long life of critical wear surfaces
Component compatibility	Long gasket and seal life
Meets demanding specifications of key diesel OEMs	One engine oil for mixed diesel fleets

Low ash formulation meeting API FA-4 requirements

Long emissions aftertreatment (DPF, DOC and SCR) life

<sup>1</sup> Results may vary based on vehicle/engine condition, driving and environmental conditions Consult OEM or ExxonMobil before implementing extended ODIs.

<sup>2</sup> Based on performance in the Volvo T-13 engine test

<sup>3</sup> Meets API FA-4 specification

## Applications

- Formulated for use in the latest heavy duty diesel engines operating in extreme applications, where API FA-4 is recommended by the engine builder/OEM.
- Engines equipped with exhaust aftertreatment systems.
- On-highway applications operating in both high speed/high load and short haul pick-up/delivery.

## Specifications and Approvals

### This product is approved by the following OEMs:

Detroit Detroit Fluids Specification 93K223

### This product meets or exceeds the requirements of:

API FA-4

Cummins CES 20087

JASO DH-2

## Properties and Specifications

Property	
Grade	SAE 10W-30
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	10
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	63.8
Viscosity Index, ASTM D2270	140
Density @ 15 C, g/ml, ASTM D1298	0.865
Pour Point, °C, ASTM D97	-33
Flash Point, Cleveland Open Cup, °C, ASTM D92	215
Ash, Sulfated, mass%, ASTM D874	1
Total Base Number, mgKOH/g, ASTM D2896	10.3
Cold-Cranking Simulator, Apparent Viscosity @ -25 C, mPa.s, ASTM D5293	5350

Mini-Rotary Viscometer, Apparent Viscosity, -30 C, mPa.s, ASTM D4684	13400
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.1

## 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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