



## Mobil™ HDEO

Mobil Commercial-Vehicle-Lube , United States

Heavy Duty Engine Oil

### Product Description

Mobil™ HDEO 15W-40 and 10W-30 are oils designed to meet warranty requirements for high-speed, four-stroke heavy duty diesel engines. These products are formulated to maintain the durability of emission control systems, including diesel particulate filters and other advanced aftertreatment systems.

Mobil HDEO meets or exceeds the requirements of API service classifications CK-4, CJ-4, CI-4 PLUS, CI-4 and CH-4. These products are also approved by major original equipment manufacturers (OEM).

### Applications

- Recommended for heavy duty diesel applications including low emission engine designs and those featuring EGR.
- Recommended for heavy duty diesel applications using older and naturally aspirated conventional designs.

### Specifications and Approvals

This product is approved by the following OEMs:	10W-30	15W-40
Detroit Fluids Specification 93K218	X	X
Detroit Detroit Fluids Specification 93K222	X	X
Ford WSS-M2C171-F1	X	X
Mack EO-O Premium Plus	X	X
MACK EOS-4.5	X	X
MTU Oil Category 2.1		X
RENAULT VI RLD-3	X	X
VOLVO VDS-4	X	X
VOLVO VDS-4.5	X	X

This product meets or exceeds the requirements of:	10W-30	15W-40
API CH-4	X	X
API CI-4	X	X
API CI-4 PLUS	X	X
API CJ-4	X	X
API CK-4	X	X

This product meets or exceeds the requirements of:	10W-30	15W-40
Caterpillar ECF-3	X	X

#### Properties and Specifications

Property	10W-30	15W-40
Grade	SAE 10W-30	SAE 15W-40
Ash, Sulfated, mass%, ASTM D874	1	1
Cold-Cranking Simulator, Apparent Viscosity @ -20 C, mPa.s, ASTM D5293		5900
Cold-Cranking Simulator, Apparent Viscosity @ -25 C, mPa.s, ASTM D5293	6550	
Flash Point, Cleveland Open Cup, °C, ASTM D92	225	225
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.6	4
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	11.9	14.2
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	81.3	112
Mini-Rotary Viscometer, Apparent Viscosity, -25 C, mPa.s, ASTM D4684		20000
Mini-Rotary Viscometer, Apparent Viscosity, -30 C, mPa.s, ASTM D4684	22600	
Pour Point, °C, ASTM D97	-36	-27
Specific Gravity, 15.6 C/15.6 C, ASTM D4052	0.868	0.874
Total Base Number, mgKOH/g, ASTM D2896	10	10
Viscosity Index, ASTM D2270	140	132

#### 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>

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

06-2020

#### Exxon Mobil Corporation

22777 Springwoods Village Parkway  
Spring TX 77389

1-800-ASK MOBIL (275-6624)

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)

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

Energy lives here™

**ExonMobil**

Exxon

Mobil



© Copyright 2003–2019 Exxon Mobil Corporation. All Rights Reserved