



**MOBIL DELVAC™ HDEO SERIES**

Mobil Commercial Vehicle Lube , Canada

Synthetic Blend Diesel Engine Oil

**Product Description**

Mobil Delvac™ HDEO 15W-40 and 10W-30 are synthetic blend diesel engine 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 Delvac 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**

<b>This product has the following approvals:</b>	<b>MOBIL DELVAC HDEO 10W-30</b>	<b>15W-40</b>
Cummins CES 20081	X	X
Cummins CES 20086	X	X
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
VOLVO VDS-4	X	X
VOLVO VDS-4.5	X	X
API CH-4	X	
API CI-4	X	

<b>This product meets or exceeds the requirements of:</b>	<b>15W-40</b>
API CH-4	X

This product meets or exceeds the requirements of:		15W-40
API CI-4		X
API CI-4 PLUS	X	X
API CJ-4	X	X
API CK-4	X	X
Caterpillar ECF-3	X	X

### Properties and Specifications

Property	MOBIL DELVAC HDEO 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	12.0	14.2
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	82	112
Mini-Rotary Viscometer, Yield Stress, -25 C, Pa, ASTM D4684		20000
Mini-Rotary Viscometer, Yield Stress, -30 C, Pa, ASTM D4684	22600	
Pour Point, °C, ASTM D97	-36	-27
Specific Gravity, 15.6 C/15.6 C, ASTM D4052	0.867	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>

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### Imperial Oil

Petroleum and Chemicals Division  
Lubricants and Specialties  
240 Fourth Ave SW  
C. P. 2480, Station M

Calgary AB T2P 3 M 9

1-800-268-3183

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)

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