



Mobil Delvac Modern™ 10W-30 Advanced Protection V1

Mobil Commercial Vehicle Lube , Chile

Mobil commercial-vehicle-lube, High Performance Light Duty Engine Oil

Product Description

Mobil Delvac Modern™ 10W-30 Advanced Protection V1 is a high performance synthetic technology 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 Emission After Treatment Systems with Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs).

Mobil Delvac Modern™ 10W-30 Advanced Protection V1 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.

Fully backwards compatible, Mobil Delvac Modern™ 10W-30 Advanced Protection V1 will also deliver 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 key Original Equipment Manufacturer (OEM) requirements.

Features and Benefits

Mobil Delvac Modern™ 10W-30 Advanced Protection V1 is formulated 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, Mobil Delvac Modern™ 10W-30 Advanced Protection V1 advanced technology also provides excellent resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

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 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
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

Applications

Recommended by ExxonMobil for use in:

- The latest low-emissions, high performance diesel applications equipped with After Treatment 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 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.
- Diesel-powered equipment from American, European and Japanese OEMs

Specifications and Approvals

This product has the following approvals:
Detroit Fluids Specification 93K218
Detroit Detroit Fluids Specification 93K222
DEUTZ DQC II-18 LA
MACK EOS-4.5
Mack EO-O Premium Plus
Mack EO-N Premium Plus 03
RENAULT TRUCKS RLD-2
RENAULT TRUCKS RLD-3
VOLVO VDS-3
VOLVO VDS-4
VOLVO VDS-4.5
Cummins CES 20081
Cummins CES 20086

This product is recommended for use in applications requiring:
API CF
API CG-4
API CF-4
MAN M 3575

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

API CI-4

API CI-4 PLUS

API CJ-4

API CK-4

API CH-4

Caterpillar ECF-3

JASO DH-2

ACEA E11

ACEA E7

**Properties and Specifications**

Property	
Grade	SAE 10W-30
Density @ 15 C, g/ml, ASTM D1298	0.868
Flash Point, Cleveland Open Cup, °C, ASTM D92	219
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	11.8
Noack Volatility, mass%, ASTM D5800	11
Pour Point, °C, ASTM D97	-42
Total Base Number, mgKOH/g, ASTM D2896	9.6
Viscosity Index, ASTM D2270	140
Appearance, AMS 1738	Clear and Bright
Ash, Sulfated, mass%, ASTM D874	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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