Mobil

Mobil Delvac Modern™ 10W-30 Full Protection

Mobil Commercial Vehicle Lube , Latvia

High Performance Light Duty Engine Oil

Product Description

Mobil Delvac Modern 10W-30 Full Protection 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 Full Protection 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 Full Protection 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. Mobil Delvac Modern 10W-30 Full Protection also meets or exceeds the requirements of the API SN specification for gasoline engines and mixed fleets and is biodiesel compatible.

Features and Benefits

Mobil Delvac Modern 10W-30 Full Protection is formulated with Trimer additive technology and a mixed detergent system 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 Full Protection 's advanced technology also provides excellent resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits. Recommended for use with biodiesel providing excellent oxidation stability and piston cleanliness.

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
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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
Meets or exceeds demanding specifications of key OEMs and latest API gasoline service category	One engine oil for mixed fleet operations

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.
- High performance gasoline engines and mixed fleet operations.
- Diesel-powered equipment from American, European and Japanese OEMs

Specifications and Approvals

This product has the following approvals:
DQC II-18 LA
Mack EO-O Premium Plus
Detroit Fluids Specification 93K218
MACK EOS-4.5
RENAULT TRUCKS RLD-3
VOLVO VDS-4.5
Cummins CES 20086
Cummins CES 20081
DTFR 15C100
Detroit Fluids Specification 93K222

This product is recommended for use in applications requiring:
API CG-4
MAN M 3575
API CF
ACEA E9

This product meets or exceeds the requirements of:
API CK-4
API CJ-4
API CI-4 PLUS
API CI-4
API CH-4
API SN
API SM

This product meets or exceeds the requirements of:
Caterpillar ECF-3
JASO DH-2
API SP
VOLVO VDS-3
VOLVO VDS-4
ACEA E7
ACEA E11

Properties and Specifications

Property	
Grade	SAE 10W-30
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	12
Viscosity Index, ASTM D2270	140
Pour Point, °C, ASTM D97	-33
Density @ 15 C, g/ml, ASTM D1298	0.867
Total Base Number, mgKOH/g, ASTM D2896	9.6
Ash, Sulfated, mass%, ASTM D874	0.9
Flash Point, Cleveland Open Cup, °C, ASTM D92	218
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	82

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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