Mobil

Mobil Delvac Modern™ 10W-40 Advanced Protection V3

Mobil Commercial Vehicle Lube , Australia

Extra High Performance Diesel Engine Oil

Product Description

Mobil Delvac Modern™10W-40 Advanced Protection V3 is an advanced synthetic technology, extra high performance diesel engine oil engineered to provide lubrication to modern, high performance, low emissions engines used in severe applications. This engine oil is designed using high performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention and volatility control. The new advanced additive system has been expertly engineered to help towards long engine life and maintain the efficiency of emission reduction systems including the Diesel Particulate Filter (DPF). Its specifications and approvals allow Mobil Delvac Modern™10W-40 Advanced Protection V3 to target mixed fleet applications and is biodiesel compatible (1).

(1) Follow OEM recommendations on potential service adjustments.

Features and Benefits

High output, low emission engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers, and turbochargers increase thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure, retarded timing and after treatment devices all require improved oil performance in areas such as oxidation stability, soot dispersancy, volatility and compatibility with aftertreatment devices. The advanced technology in Mobil Delvac Modern™10W-40 Advanced Protection V3 delivers exceptional performance, long drain interval capability and protection of exhaust systems including those fitted with Diesel Particulate Filters (DPF).

Well formulated oils, like Mobil Delvac, that meet or exceed industry or OEM specifications, can help protect engines. Consult OEM for optimum fluid selection. Actual results may vary depending on OEM requirements, type of engine and its maintenance, application and service conditions, and prior lubricant used.

The key benefits include:

Features	Advantages and Potential Benefits
• Outstanding protection against oil thickening, high temperature deposits, sludge build-up and, oil degradation	• Provides capability for long drain intervals • Helps to protect against ring sticking
• Excellent anti-wear, anti-scuff properties and bore polishing and corrosion protection.	• Helps towards long engine life.
• Stay-in-grade shear stability. Very low volatility	• Helps to reduce viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions
• Low ash, sulfur and phosphorous levels	• Helps to protect exhaust systems devices like those fitted with DPF
• Excellent low temperature properties	• Helps to improve pumpability and oil circulation
• Bio Diesel compatible	• Helps to achieve environmental benefits

Applications

- Heavy Duty Diesel Engines including Euro V/VI Modern Low Emissions Vehicles, Utilizing Technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR)
- Heavy Duty Diesel Engines using low sulfur diesel fuels and many biodiesel fuel formulations
- Naturally Aspirated and Turbo-Charged Diesel Powered Equipment
- On-Highway Short-Haul and Long-Haul Trucks and Buses
- Off-Highway Mining, Construction and Agricultural Equipment

Please refer to the owners handbook for OEM application requirements and oil drain intervals for your vehicle or equipment.

Specifications and Approvals

This product has the following approvals:
CUMMINS CES 20086
CUMMINS CES 20100
Detroit Detroit Fluids Specification 93K222
Deutz DQC IV-18 LA
Daimler Truck DTFR 15C110
MACK EOS-4.5
MTU Oil Category 3.1
RENAULT TRUCKS RLD-3
VOLVO VDS-3
VOLVO VDS-4.5

This product is recommended for use in applications requiring:
MAN M 3477
MACK EO-O Premium Plus
VOLVO VDS-4

This product meets or exceeds the requirements of:
API CK-4
API SN
JASO DH-2-21
ACEA E11
ACEA E7
ACEA E8

Properties and Specifications

Property	
Grade	SAE 10W-40

Property	
Viscosity Index, ASTM D2270	153
Density @ 15.6 C, g/ml, ASTM D4052	0.86
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.8
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	103
Flash Point, Cleveland Open Cup, °C, ASTM D92	238
Ash, Sulfated, mass%, ASTM D874	0.9
Pour Point, °C, ASTM D97	-39

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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