



MOBIL DELVAC MODERN™ 10W-40 SUPER DEFENSE V1

Mobil Commercial Vehicle Lube , Bolivia

Mobil commercial-vehicle-lube

Product Description

Mobil Delvac Modern™ 10W-40 Super Defense V1 is a synthetic extra high performance diesel engine oil engineered to provide outstanding lubrication to modern performance diesel engines used in severe on and off-highway applications. This diesel engine oil is designed using high performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control, and fuel economy improvement. These base oils are enhanced with an advanced additive system, which provides a high level of protection to all parts of the engine. Mobil Delvac Modern™ 10W-40 Super Defense V1 is engineered to provide long oil change intervals in modern diesel engines.

Features and Benefits

High output, low emission engines significantly increased demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil required to replenish depleted additives. Thermal stresses on the lubricant are increased with the use of inter-coolers and turbochargers. Higher fuel injection pressures and retarded timing improve burn efficiency, but also increase engine temperatures, volatility, and soot loading of the oil. The advanced technology in Mobil Delvac Modern™ 10W-40 Super Defense V1 delivers exceptional performance in both modern diesel engines as well as older models. The key benefits include:

Features	Advantages and Potential Benefits
Outstanding protection against oil thickening, high temperature deposits, sludge build-up, oil degradation and corrosion	Reduced wear and long engine life. Outstanding control of high temperature deposits.
Reduced engine scuffing and bore polishing protection	Excellent protection against ring sticking
Extended TBN reserve	Long-term deposit/wear control. Extended oil drain potential.
Excellent low temperature properties	Improved pumpability and oil circulation. Start-up wear protection.
Stay-in-grade shear stability and Low volatility	Helps to reduce viscosity breakdown and oil consumption under heavy high temperature operating conditions
Excellent Viscosity Index	Wide range of engine and temperature applications

Applications

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered engines built by European and Japanese manufacturers.
- On-highway light and heavy-duty trucking.
- Off-highway industries including: construction, mining, quarrying, and agriculture.

Specifications and Approvals

This product has the following approvals:
Mack EO-M Plus

This product has the following approvals:
Mack EO-N
MAN M 3277
MB-Approval 228.5
MB-Approval 235.27
MTU Oil Category 3
RENAULT TRUCKS RLD-2
VOITH RETARDER Oil Class A
VOLVO VDS-3

This product is recommended for use in applications requiring:
API CF
Cummins CES 20072
RENAULT TRUCKS RLD
VOLVO VDS-2

This product meets or exceeds the requirements of:
API CH-4
API CI-4
ACEA E4
ACEA E7
RENAULT TRUCKS RXD
Scania LDF-3

Properties and Specifications

Property	
Grade	SAE 10W-40
Pour Point, °C, ASTM D97	-42
Total Base Number, mgKOH/g, ASTM D2896	15.3
Ash, Sulfated, mass%, ASTM D874	1.6
Flash Point, Cleveland Open Cup, °C, ASTM D92	244
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	98

Property	
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.6
Viscosity Index, ASTM D2270	154
Density @ 15.6 C, ASTM D4052	0.868

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.as>

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

08-2023

ExxonMobil

Exxon

Mobil

Esso

XTO

© Copyright 2003-2024 Exxon Mobil Corporation. All Rights Reserved