Mobil Delvac Modern™ 20W-50 Super Defense

Mobil Commercial Vehicle Lube , Myanmar

Synthetic Technology Commercial Vehicle Engine Oil

Product Description

Mobil Delvac Modern™ 20W-50 Super Defense is an extra high performance diesel engine oil that provides excellent lubrication of today's diesel engines promoting long engine life. It is recommended by ExxonMobil for use in a wide variety of industries, applications, and mixed fleets.

This product provides outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high sulphur fuel. Mobil Delvac Modern 20W-50 Super Defense combines a blend of high performance base stocks with a progressive additive system to provide superior control of oil thickening due to soot build-up and high temperatures as well as outstanding resistance to oxidation, corrosion, and high temperature deposits.

This product is fully compatible with Mobil Delvac MX 20W-50 and can be used as a replacement of same.

Features and Benefits

High output, low emission diesel engines significantly increase the demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil make-up to replenish depleted additives. Top piston fire rings are located higher on the piston bringing the oil film closer to the combustion chamber where higher temperatures increase thermal stress on the lubricant. Increased fuel injector pressure and retarded timing improve fuel burn efficiency, but also increase engine temperatures and increase soot loads. Mobil Delvac Modern 20W-50 Super Defense is formulated from high performance base oils and a balanced additive system to provide optimum engine performance in modern diesel engines as well as older models. The key benefits include:

Features	Advantages and Potential Benefits
High thermal and oxidation stability	Reduced sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralisation
Stay-in-grade shear stability	Wear protection and viscosity control
High detergency/dispersancy	Clean engines and long component life
Improved soot handling	Improved viscosity control and used oil pumpability
Excellent low temperature properties	Start-up wear protection
Component compatibility	Long gasket and seal life

Applications

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered equipment.
- 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:
DTFR 15B110

This product meets or exceeds the requirements of:
API CI-4

Properties and Specifications

Property	
Grade	SAE 20W-50
Ash, Sulfated, mass%, ASTM D874	1.1
Density @ 15 C, kg/l, ASTM D4052	0.88
Viscosity Index, ASTM D2270	130
Total Base Number, mgKOH/g, ASTM D2896	9
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	169
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	19.3
Flash Point, Cleveland Open Cup, °C, ASTM D92	227
Pour Point, °C, ASTM D97	-30

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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