



## Mobil Delvac Modern™ 20W-50 Complete Defense

Mobil Commercial Vehicle Lube , Egypt

High Performance Diesel Engine Oil

### Product Description

Mobil Delvac Modern™ 20W-50 Complete Defense is a high performance diesel engine oil that provides excellent lubrication promoting extended engine life. This product meets the requirements of majority of European and American engine manufacturers. The high performance of Mobil Delvac Modern 20W-50 Complete Defense has been proven in the field in a wide variety of applications, and mixed fleets.

The chemistry of this product provides outstanding performance in both modern and older diesel engines operating on low or high sulphur fuel. Mobil Delvac Modern 20W-50 Complete 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.

### Features and Benefits

The features and benefits of Mobil Delvac Modern 20W-50 Complete Defense 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
Advanced detergency/dispersancy	Cleaner engines and longer component life
Improved soot handling	Improved viscosity control and used oil pumpability
Component compatibility	Longer gasket and seal life

### Specifications and Approvals

API CH-4
MB 228.1

### Properties and Specifications

Property	
Grade	SAE 20W-50
Cold-Cranking Simulator, Apparent Viscosity @ -15 C, mPa.s, ASTM D5293	6244

Property	
Ash, Sulfated, mass%, ASTM D874	1.3
Flash Point, Cleveland Open Cup, °C, ASTM D92	233
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	19.1
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	167.6
Pour Point, °C, ASTM D97	-27
Total Base Number, mgKOH/g, ASTM D2896	11
Viscosity Index, ASTM D2270	130

### 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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ExxonMobil Egypt (S.A.E.)

1097 Cornish El-Nil, Garden City, Cairo, Egypt

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+ 20 2 795 4850/60

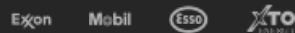
<http://www.exxonmobil.com>

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](http://www.exxonmobil.com)

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