



Mobil Delvac Modern 15W-40 Extreme Defense Mine

Mobil Commercial Vehicle Lube , Peru
Semisynthetic technology diesel engine oil

Product Description

Mobil Delvac Modern 15W-40 Extreme Defense Mine is a semi synthetic, high performance, diesel engine oil that is specifically designed for lubrication of heav diesel engines in the mining industry.

The advanced chemistry of Mobil Delvac Modern 15W-40 Extreme Defense Mine provides optimum performance in modern heavy duty engines operating o sulphur fuel.
Accordingly, this oil meets or exceeds the requirements of API CI-4 PLUS and CI-4.

Features and Benefits

These products will provide outstanding protection in the most demanding diesel engines like Caterpillar and Cummins.

Features	Advantages and Potential Benefits
Support against corrosive wear	Long life of critical wear surfaces.
Wear rate reduction	Greater engine efficiency, long engine life and long oil life.
Outstanding oxidation stability	Lower oil costs due to less make-up oil during operatio
Resistance to corrosive and abrasive wear	Corrosion protection and extended drain intervals for both new and old engines
Excellent soot and viscosity control	Formulated for smooth starting in cold weather
Excellent oil consumption control	Long gasket and seal life
Outstanding TBN reserves	Extended ODI potential ¹
Low temperature fluidity and pumpability	
Component compatibility	

Applications

Mobil Delvac Modern 15W-40 Extreme Defense Mine is recommended for use in a wide range of heavy-duty applications and operating environments including:

- Off-highway applications operating in severe low speed/heavy load conditions.
- Off-highway applications including mining and construction.

Specifications and Approvals

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

This product meets or exceeds the requirements of:
API CI-4
API CI-4 PLUS
Caterpillar ECF-2
Cummins CES 20078

Properties and Specifications

Property	
Grade	SAE 15W-40
Cold-Cranking Simulator, Apparent Viscosity @ -20 C, mPa.s, ASTM D5293	5390
Density @ 15.6 C, g/ml, ASTM D1298	0.87
Flash Point, Cleveland Open Cup, °F, ASTM D92	234
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.5
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	117
Noack Volatility, mass%, ASTM D5800	9.1
Pour Point, °C, ASTM D97	-30
Total Base Number, mgKOH/g, ASTM D2896	10.8
Viscosity Index, ASTM D2270	140

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>
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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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