



## Mobil Delvac Modern 15W-40 Full Protection Mine

Mobil Commercial Vehicle Lube , Brazil

High Performance Diesel Engine Oil

### Product Description

Mobil Delvac Modern 15W-40 Full Protection Mine is a diesel engine oil formulated with optimized base oil technology that helps extend engine life. Meet or exceed original equipment manufacturer (OEM) requirements and deliver high performance and wear protection in demanding conditions with heavy loads.

Fully backward compatible, Mobil Delvac Modern 15W-40 Full Protection Mine delivers exceptional performance in both newer and older heavy duty engine designs. Accordingly, these oils meet or exceed the requirements of API CK-4, CJ-4, CI-4 PLUS, CI-4 service categories.

Mobil Delvac Modern 15W-40 Full Protection Mine is recommended for use in a wide range of heavy duty applications and operating environments.

### Features and Benefits

Mobil Delvac Modern 15W-40 Full Protection Mine is formulated with optimized base oil technology, to deliver extended performance oil drain intervals<sup>1</sup>. This proprietary formulation delivers wear protection, outstanding oxidation stability, and exceptional TBN retention.

Mobil Delvac Modern 15W-40 Full Protection Mine also provides outstanding resistance to oil oxidation, corrosive and abrasive wear, and high temperature deposits.

<sup>1</sup> Results vary based on vehicle/engine condition, driving and environmental conditions. Consult OEM or ExxonMobil before implementing extended ODIs, especially if the equipment/vehicle is under warranty.

Features	Advantages and Potential Benefits
Outstanding oxidation stability	Extended ODI potential <sup>1</sup> .
Resistance to corrosive and abrasive wear	Long life of critical wear surfaces.
Excellent soot and viscosity control	Greater engine efficiency, long engine life and long oil life.
Excellent oil consumption control	Lower oil costs due to less make-up oil during operation
Outstanding TBN reserves	Corrosion protection and extended drain intervals for both new and old engines
Low temperature fluidity and pumpability	Formulated for smooth starting in cold weather
Component compatibility	Long gasket and seal life
Low ash formulation meeting API CK-4 and CJ-4 requirements	Long emissions aftertreatment life (DPF, DOC and SCR)

### Applications

- Designed primarily for heavy duty diesel engines in mining applications.
- Recommended for the latest heavy duty diesel engines, including those equipped with aftertreatment systems and EGR.
- Recommended for diesel applications using older and naturally aspirated conventional designs.
- Off-highway applications including construction.

- Off-highway applications operating in severe low speed/heavy load conditions using up to 500 ppm sulfur fuels.

### Specifications and Approvals

<b>This product meets or exceeds the requirements of:</b>
API CI-4
API CI-4 PLUS
API CJ-4
API CK-4
Caterpillar ECF-3
Cummins CES 20081
Cummins CES 20086

### Properties and Specifications

Property	
Grade	SAE 15W-40
Viscosity Index, ASTM D2270	135
Total Base Number, mgKOH/g, ASTM D2896	10
Pour Point, °C, ASTM D97	-33
Density @ 15.6 C, g/ml, ASTM D1298	0.875
Ash, Sulfated, mass%, ASTM D874	1
Flash Point, Cleveland Open Cup, °C, ASTM D92	225
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	15.7
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	124

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

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