



## MOBIL DELVAC MODERN 15W40 FULL PROTECTION MINE

Mobil Commercial Vehicle Lube , Colombia

High Performance Diesel Engine Oil

### Product Description

Mobil Delvac Modern 15W-40 Full Protection Mine is a diesel engine oil formulated to offer ring liner wear protection, viscosity control and bearing corrosion protection for the higher demands of high horsepower off-highway engines.

### 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 has the following approvals:</b> |
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| Cummins CES 20081                                |
| Cummins CES 20086                                |

| <b>This product has the following builder approvals:</b> |
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| MTU Oil Category 2.1                                     |

| <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   |

### Properties and Specifications

| <b>Property</b>  |            |
|--|------------|
| Grade  | SAE 15W-40 |
| Ash, Sulfated, mass%, ASTM D874                            | 1          |
| Density @ 15.6 C, g/ml, ASTM D1298                         | 0.8734     |
| Flash Point, Cleveland Open Cup, °C, ASTM D92              | 227        |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 16.2       |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 126        |
| Pour Point, °C, ASTM D97                                   | -24        |
| Total Base Number, mgKOH/g, ASTM D2896                     | 9.2        |
| Viscosity Index, ASTM D2270                                | 137        |

### 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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Organización Terpel S.A.

Address: Carrera 7 N° 75-51, Bogotá – Colombia

Phone: (57) 1 3267878

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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