



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

Mobil Commercial Vehicle Lube , Colombia

Mobil commercial-vehicle-lube

### Product Description

Mobil Delvac Modern™ 15W-40 Full Protection is a synthetic technology, diesel engine oil that helps extend engine life, allowing you to run your business with confidence. This product meets or exceeds original equipment manufacturer (OEM) requirements and delivers high performance in both on and off-highway applications.

Fully backward compatible, Mobil Delvac Modern 15W-40 Full Protection delivers exceptional performance in both newer and older heavy duty engine designs. Accordingly, this oil meets or exceeds the requirements of API CK-4, CJ-4, CI-4 PLUS, CI-4 and CH-4 service categories, as well as key OEM requirements. Mobil Delvac Modern 15W-40 Full Protection may also be used in gasoline engines requiring the API SN specification and is suitable for use in applications requiring ISUZU and MAN specifications.

Developed in close collaboration with major OEMs, Mobil Delvac Modern 15W-40 Full Protection is recommended for use in a wide range of heavy duty applications and operating environments.

### Features and Benefits

Mobil Delvac Modern 15W-40 Súper Protección is formulated to deliver extended performance for up to 50% beyond OEM-recommended oil drain intervals<sup>1</sup>. This proprietary synthetic technology formulation delivers up to an average of 50 % more wear protection than required in API CK-4 engine tests , outstanding oxidation stability, and outstanding TBN retention.

Mobil Delvac Modern 15W-40 Súper Protección also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

| Features  | Advantages and Potential Benefits  |
|---|--|
| Outstanding oxidation stability   | Extended ODI potential up to 1.5X the average OEM ODI recommendation <sup>1</sup> .            |
| Resistance to corrosive and abrasive wear   | Provides up to an average of 50 % more wear protection than required in API CK-4 engine tests. |
| Meets demanding specifications of key OEMs and latest API gasoline service category | One engine oil for mixed fleet operations  |
| 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  |

| Features  | Advantages and Potential Benefits                     |
|---|---|
| Low ash formulation meeting API CK-4 and CJ-4 requirements  | Long emissions aftertreatment life (DPF, DOC and SCR) |
| 1 Based on US engine manufacturers' (OEM) average oil drain intervals (ODI) API CK-4 / API FA-4 recommendation. 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. |   |

### Applications

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### Specifications and Approvals

| <b>This product has the following approvals:</b> |
|--|
| Detroit Detroit Fluids Specification 93K222      |
| Detroit Fluids Specification 93K218              |
| VOLVO VDS-4.5                                    |
| MB-Approval 228.31                               |
| DQC II-18 LA                                     |
| Mack EO-O Premium Plus                           |
| MACK EOS-4.5                                     |
| VOLVO VDS-3                                      |
| VOLVO VDS-4                                      |
| RENAULT TRUCKS RLD-3                             |
| Mack EO-N Premium Plus 03                        |
| Cummins CES 20081                                |
| Cummins CES 20086                                |

| <b>This product is recommended for use in applications requiring:</b> |
|---|
| VOLVO VDS-2   |

**This product meets or exceeds the requirements of:**

API CH-4

API CI-4

API CI-4 PLUS

API CJ-4

API CK-4

API SM

API SN

ACEA E7

API SL

Caterpillar ECF-3

API SP

JASO DH-2

**Properties and Specifications**

| Property   |            |
|--|------------|
| Grade  | SAE 15W-40 |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 109        |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 14.8       |
| Pour Point, °C, ASTM D97                                   | -42        |
| Density @ 15 C, g/ml, ASTM D1298                           | 0.87       |
| Viscosity Index, ASTM D2270                                | 139        |
| Flash Point, Cleveland Open Cup, °C, ASTM D92              | 226        |
| Total Base Number, mgKOH/g, ASTM D4739                     | 9.7        |
| Ash, Sulfated, mass%, ASTM D874                            | 0.9        |

**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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