



## Mobil Delvac Modern™ 10W-30 Super Defense V2

Mobil Commercial Vehicle Lube , Hong Kong

Synthetic Technology Commercial Vehicle Engine Oil

### Product Description

Mobil Delvac Modern™ 10W-30 Super Defense V2 is formulated to deliver high performance in modern multipurpose, high performance diesel and gasoline medium duty commercial vehicle as well as heavy duty commercial vehicle, including turbo-charged and intercooled units.

This product is fully compatible with Mobil Delvac MX 10W-30 and can be used as a replacement of same.

### Features and Benefits

High output, low emission diesel engines significantly increase the demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil make-up to replenish depleted additives. Top piston fire rings are located higher on the piston bringing the oil film closer to the combustion chamber where higher temperatures increase thermal stress on the lubricant. Increased fuel injector pressure and retarded timing improve fuel burn efficiency, but also increase engine temperatures and increase soot loads. Mobil Delvac Modern 10W-30 Super Defense V2 is formulated from high performance base oils and a balanced additive system to provide optimum engine performance in modern diesel and gasoline engines as well as older models. The key benefits 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                    |
| High detergency/dispersancy          | Clean engines and long component life                    |
| Improved soot handling               | Improved viscosity control and used oil pumpability      |
| Excellent low temperature properties | Start-up wear protection                                 |
| Component compatibility              | Long gasket and seal life                                |

### Applications

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered equipment.
- On-highway medium and heavy duty trucking.
- Off-highway industries including: construction, mining, quarrying, and agriculture.
- Mixed fleet applications.

### Specifications and Approvals

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

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

API CI-4

API SL

**Properties and Specifications**

| Property   |            |
|--|------------|
| Grade  | SAE 10W-30 |
| Ash, Sulfated, mass%, ASTM D874                            | 1.1        |
| Density @ 15 C, kg/l, ASTM D4052                           | 0.867      |
| Viscosity Index, ASTM D2270                                | 141        |
| Total Base Number, mgKOH/g, ASTM D2896                     | 9          |
| Flash Point, Cleveland Open Cup, °C, ASTM D92              | 225        |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 11.7       |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 79.5       |
| Pour Point, °C, ASTM D97                                   | -36        |

**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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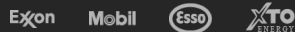
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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. 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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