



Mobil Delvac Modern 5W-30 Fuel Efficient Plus V1

Mobil Commercial Vehicle Lube , South Korea

Full Synthetic for Advanced Engine and Emission System Protection

Product Description

Mobil Delvac Modern 5W-30 Fuel Efficient Plus V1 is an extra high performance diesel engine oil engineered to provide outstanding protection and fuel economy potential\* in modern, high performance, low emission engines used in severe on-highway applications.

This engine oil is formulated with high quality base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control. The base oils, the additive system, and the lowered film viscosity (HT/HS) contribute to fuel economy improvement potential. The advanced additive system has been expertly engineered to help prolong the life and maintain the efficiency of emission reduction systems such as the Diesel Particulate Filter (DPF).

\*The fuel economy potential is based on experience of comparing the 5W-30 with a 10W-40 & 15W-40

Features and Benefits

High output, low emission diesel engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers, and turbochargers increase mechanical and thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure together with retarded timing and after-treatment devices all require improved oil performance in areas such as oxidation stability, soot dispersancy, volatility and compatibility with after-treatment devices. The advanced technology in Mobil Delvac Modern 5W-30 Fuel Efficient Plus V1 delivers exceptional performance and protection of exhaust systems fitted with Diesel Particulate Filters. The key benefits include:

| Features                                                                                                     | Advantages and Potential Benefits                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advanced formulation viscometrics. SAE 5W-30                                                                 | Potentially helps to reduce fuel consumption over higher viscosity grade engine oils without compromising engine durability (potential fuel economy depending on vehicle type and driving conditions)                      |
| Advanced "Low Ash" componentry                                                                               | Helps improve efficiency and extend durability of emission exhaust systems fitted with Diesel Particulate Filters (DPF)                                                                                                    |
| Excellent low temperature fluidity                                                                           | <ul style="list-style-type: none"><li>• Contributes to excellent oil pumpability and circulation allowing operation in cold climate regions.</li><li>• Helps protect against wear during cold engine start-up</li></ul>    |
| Excellent protection against oil thickening, oil degradation, high temperature deposits, and sludge build-up | <ul style="list-style-type: none"><li>• Contributes to long oil life consistent with OEM recommended Oil Drain Intervals (ODI)</li><li>• Helps prevent ring sticking for better engine protection and efficiency</li></ul> |
| Excellent protection against wear, scuffing, bore polishing, and corrosion                                   | Helps control wear in heavy duty operation,promoting long engine life                                                                                                                                                      |

Applications

Recommended by ExxonMobil for use in:

- Trucks and buses requiring API FA-4

Specifications and Approvals

|                                                    |  |
|----------------------------------------------------|--|
| This product meets or exceeds the requirements of: |  |
| API FA-4                                           |  |
| Cummins CES 20087                                  |  |

Properties and Specifications

| Property                                                               |           |
|------------------------------------------------------------------------|-----------|
| Grade                                                                  | SAE 5W-30 |
| Ash, Sulfated, mass%, ASTM D874                                        | 1         |
| Flash Point, Cleveland Open Cup, °C, ASTM D92                          | 232       |
| Noack Volatility, mass%, ASTM D5800                                    | 10        |
| Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683  | 3         |
| Total Base Number, mgKOH/g, ASTM D2896                                 | 12        |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445                           | 56        |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445                          | 10        |
| Specific Gravity, 15.6 C/15.6 C, ASTM D4052                            | 0.843     |
| Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293 | 4800      |

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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05-2023

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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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