Mobil

MOBIL DELVAC MODERN™ 5W-30 FUEL EFFICIENT PLUS V1

Mobil Commercial Vehicle Lube , Netherlands

Extra High Performance Diesel Engine Oil

Product Description

Mobil Delvac Modern 5W-30 Fuel Efficient Plus V1 is an extra high performance advanced synthetic technology diesel engine oil engineered to provide outstanding protection and fuel economy potential(1) in modern, high performance, low emission engines used in severe on-highway applications.

Mobil Delvac Modern 5W-30 Fuel Efficient Plus V1 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).

Mobil Delvac Modern 5W-30 Fuel Efficient Plus V1 is specifically designed to meet the latest Volvo, Daimler, Detroit, Mack, Renault, and Cummins requirements for their newest diesel engines.

(1)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
Excellent protection against oil thickening, oil degradation, high temperature deposits, and sludge build-up	Contributes to long oil life consistent with OEM recommended Oil Drain Intervals (ODI) Helps prevent ring sticking for better engine protection and efficiency
Excellent protection against wear, scuffing, bore polishing, and corrosion	Helps control wear in heavy duty operation, promoting long engine life
Excellent low temperature fluidity	Contributes to excellent oil pumpability and circulation allowing operation in cold climate regions. Helps protect against wear during cold engine start-up
Advanced "Low Ash" componentry	Helps improve efficiency and extend durability of emission exhaust systems fitted with Diesel Particulate Filters (DPF)
Advanced formulation viscometrics . SAE 5W-30 . Stay-in-grade shear stability . Very low volatility	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). Helps to control viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions

Applications

Recommended by ExxonMobil for use in:

- Latest generation Volvo trucks and buses requiring VDS-5 (D13 Euro 6D engines)
- Mercedes-Benz trucks and buses requiring MB-Approval 228.61 lubricants

(OM 470 FE1 and OM 471 FE1 engines as well as off-highway application for engines OM 470, OM 471, and OM 473)

- Renault trucks and buses requiring RLD-5 (DTi 13 Step-D engines)
- Trucks and buses requiring API FA-4

As this oil has not been endorsed by the engine builders as backwards compatible, it may not be used in other diesel engines.

Properties and Specifications

Property	
Grade	SAE 5W-30
Specific Gravity, 15.6 C/15.6 C, ASTM D4052	0.84
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	10
Flash Point, Cleveland Open Cup, °C, ASTM D92	232
Ash, Sulfated, mass%, ASTM D874	1
Noack Volatility, mass%, ASTM D5800	10.4
Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293	4780
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.0
Total Base Number, mgKOH/g, ASTM D2896	12.4
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	56

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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10-2025
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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

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