MOBIL DELVAC MODERN™ 5W-30 ADVANCED PROTECTION V6

Mobil Commercial Vehicle Lube , Georgia

Advanced Engine and Emission System Protection

Product Description

Mobil Delvac Modern 5W-30 Advanced Protection V6 is an extra high performance advanced synthetic technology 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 advanced synthetic technology base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control and 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 DPF is widely used by most builders to comply with emission regulations enforced on modern trucks and buses.

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, 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 Advanced Protection V6 delivers exceptional performance and protection of exhaust systems fitted with DPF (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 of MAN trucks and buses requiring MAN M 3677 approved lubricants

• In commercial vehicle and bus engines (only when operating in regions where ultra-low sulfur fuel is used) without particulate filters for which conventional SAPS oil per MAN M 3277 & M 3275-1 are recommended (please always refer to the owner's manual of the respective vehicle)

• On-highway light and heavy-duty trucking

• Modern heavy-duty engines equipped with Diesel Particulate Filter (DPF) in line with owner manual recommendation

Specifications and Approvals

This product has the following approvals:
MAN M 3677

This product meets or exceeds the requirements of:
Scania LDF-4

Properties and Specifications

Property	
Grade	SAE 5W-30
Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293	5590
Total Base Number, mgKOH/g, ASTM D2896	14.1
Pour Point, °C, ASTM D97	-42
Noack Volatility, mass%, ASTM D5800	11.4
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	11.56

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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