Mobil

MOBIL DELVAC MODERN 5W30 ADVANCED PROTECTION V3

Mobil Commercial Vehicle Lube , Finland

Advanced high Performance diesel engine oil

Product Description

Mobil Delvac Modern 5W-30 Advanced Protection V3 is an Advanced high performance diesel engine oil engineered to provide outstanding protection ar economy potential in modern, high performance, low emissions engines used in severe on-highway applications. It is formulated with advanced synthetic techı base oils and additive system which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control and contribute to fuel ecc improvement potential while prolonging the life and maintaining the efficiency of emission reduction systems such as the Diesel Particulate Filter (DPF).

Mobil Delvac Modern 5W-30 Advanced Protection V3 is also biodiesel compatible.*

*Follow OEM recommendations on potential service adjustments

Features and Benefits

High output, low emission diesel engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers, and turbochargers in mechanical and thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure, retarded timing and after-treatment dev require improved oil performance in areas such as oxidation stability, soot dispersancy, volatility and compatibility with after-treatment devices. The advanced techı in Mobil Delvac Modern 5W-30 Advanced Protection V3 delivers exceptional performance and protection of exhaust systems fitted with Diesel Particulate Filter 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 Partic 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 wi compromising engine durability (potential fuel economy depending on vehicle type and d conditions) Helps to control viscosity breakdown and oil consumption under heavy duty, high temperature oper conditions

Specifications and Approvals

This product has the following approvals:
MB-Approval 228.51

This product meets or exceeds the requirements of:

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API CK-4
ACEA E9
ACEA E6
DAF Extended Drain

Properties and Specifications

Property	
Grade	SAE 5W-30
Density @ 15 C, g/ml, ASTM D4052	0.8408
Pour Point, °C, ASTM D97	-39
Flash Point, Cleveland Open Cup, °C, ASTM D92	233
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	72.0
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	12.0
Viscosity Index, ASTM D2270	164
Ash, Sulfated, mass%, ASTM D874	0.95
Total Base Number, mgKOH/g, ASTM D2896	9.8

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.as

04-2024
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