Mobil Delvac™ XHP Ultra™ LE MN9 5W-20

Mobil Commercial Vehicle Lube , Austria

Extra High Performance Diesel Engine Oil

Product Description

Mobil Delvac™ XHP Ultra™ LE MN9 5W-20 is an extra high performance diesel engine oil engineered to provide outstanding protection and fuel economy potential in modern, high performance, low emissions engines used in severe on-highway applications. This engine oil is specifically designed to meet the latest MAN M 3977 requirements for modern diesel engines equipped with Diesel Particulate Filters (DPF). 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 DPF.

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™ XHP Ultra™ LE MN9 5W-20 delivers exceptional performance and protection of exhaust systems fitted with Diesel Particulate Filter

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	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
Stay-in-grade shear stability	
Very low volatility	

Applications

Recommended by ExxonMobil for use in:

- Latest generation of MAN trucks and buses requiring MAN M 3977 approved lubricants

- On-highway light and heavy-duty trucking
- Modern heavy-duty engines equipped with Diesel Particulate Filter (DPF) in line with owner manual recommendation.
- This oil may not be used in engines requesting older or other specifications of oil

Specifications and Approvals

This product has the following builder approvals:
MAN M 3977

Properties and Specifications

Property	
Grade	SAE 5W-20
Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293	4600
Pour Point, °C, ASTM D97	-39
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	45
Ash, Sulfated, mass%, ASTM D874	1
Density @ 15 C, g/ml, ASTM D1298	0.85
Flash Point, Cleveland Open Cup, °C, ASTM D92	229
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	7.9
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	2.6
Viscosity Index, ASTM D2270	147
Total Base Number, mgKOH/g, ASTM D2896	10
Appearance, AMS 1738	

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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POLDERDIJKWEG
B-2030 Antwerpen
Belgium

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