Mobil Delvac XHP™ ESP 10W-40

Mobil Commercial Vehicle Lube , Republic of Madagascar

Emission System Protection Diesel Engine Oil

Product Description

Mobil Delvac XHP ESP 10W-40 is a synthetic extra high performance diesel engine oil engineered to provide lubrication to modern, high performance, low emissions engines used in severe applications. This engine oil is designed using high performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention and volatility control. The new advanced additive system has been expertly engineered to help towards long engine life(1) and maintain the efficiency of emission reduction systems including the Diesel Particulate Filter (DPF). Its specifications and approvals allow Mobil Delvac XHP ESP 10W-40 to target mixed fleet applications. Mobil Delvac XHP ESP 10W-40 is biodiesel compatible.(2)

(1) Well formulated oils, like Mobil Delvac, that meet or exceed industry or OEM specifications, can help protect engines. Consult OEM for optimum fluid selection. Actual results may vary depending on OEM requirements, type of engine and its maintenance, application and service conditions, and prior lubricant used. (2) Follow OEM recommendations on potential service adjustments

Features and Benefits

High output, low emission engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers, and turbochargers increase thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure, retarded timing and aftertreatment devices all require improved oil performance in areas such as oxidation stability, soot dispersancy, volatility and compatibility with aftertreatment devices. The advanced technology in Mobil Delvac XHP ESP 10W-40 delivers exceptional performance, long drain interval capability and protection of exhaust systems including those fitted with Diesel Particulate Filters (DPF). Recommended for use with biodiesel providing excellent oxidation stability and piston cleanliness. The key benefits include:

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Features	Advantages and Potential Benefits
Outstanding protection against oil thickening, high temperature deposits, sludge build-up and, oil degradation	Provides capability for long drain intervals Helps to protect against ring sticking
Excellent anti-wear, anti-scuff properties and bore polishing and corrosion protection.	Helps to towards long engine life [1]
Stay-in-grade shear stability. Very low volatility	Helps to reduce viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions
Low ash, sulfur and phosphorous levels	Helps to protect exhaust systems devices like those fitted with DPF
Excellent low temperature properties	Helps to improve pumpability and oil circulation

Applications

• Heavy Duty Diesel Engines including Euro V/VI Modern Low Emissions Vehicles, Utilizing Technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR)

- Heavy Duty Diesel Engines using low sulfur diesel fuels and many biodiesel fuel formulations
- Naturally Aspirated and Turbo-Charged Diesel Powered Equipment
- On-Highway Short-Haul and Long-Haul Trucks and Buses
- Off-Highway Mining, Construction and Agricultural Equipment

(2) Please refer to the owners handbook for OEM application requirements and oil drain intervals for your vehicle or equipment

Specifications and Approvals

This product has the following approvals:
MAN M 3775
MACK EOS-4.5
Mack EO-O Premium Plus
RENAULT TRUCKS RLD-2
RENAULT TRUCKS RLD-3
VOLVO VDS-3
VOLVO VDS-4
VOLVO VDS-4.5
DQC IV-18 LA
Cummins CES 20081
Cummins CES 20086
DTFR 15C110

This product is recommended for use in applications requiring:
MAN M 3271-1
MAN M 3575
IVECO 18-1804 TLS E9
Scania Low Ash
MAN M 3477

This product meets or exceeds the requirements of:
ACEA E4
ACEA E7
API CI-4
API CI-4 PLUS

This product meets or exceeds the requirements of:
API CH-4
API CJ-4
API CK-4
Caterpillar ECF-3
DAF Extended Drain
ISUZU DEO (w/ DPD Equipped Vehicles)
JASO DH-2
ACEA E11

Properties and Specifications

Property	
Grade	SAE 10W-40
Density @ 15.6 C, kg/l, ASTM D4052	0.861
Flash Point, Cleveland Open Cup, °C, ASTM D92	232
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.7
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	91
Pour Point, °C, ASTM D97	-30
Viscosity Index, ASTM D2270	153
Base Number, mgKOH/g, ASTM D2896	13.2

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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