



Mobil Delvac XHP™ ESP S 10W-40

Mobil Commercial Vehicle Lube , South Korea

Synthetic Emission System Protection Diesel Engine Oil

Product Description

Mobil Delvac XHP ESP S 10W-40 is a synthetic extra high performance diesel engine oil engineered to provide lubrication to modern, high performance, low emission 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 life² and maintain the efficiency of emission reduction systems including the Diesel Particulate Filter (DPF). Its specifications and approvals allow Mobil Delvac XHP ESP S 10W-40 to target mixed applications.

Features and Benefits

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

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 Helps to towards long engine life ²
Excellent anti-wear, anti-scuff properties and bore polishing and corrosion protection	Helps to reduce viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions
Stay-in-grade shear stability. Very low volatility	Helps to protect exhaust systems devices like those fitted with DPF
Low ash, sulfur and phosphorous levels	Helps to improve pumpability and oil circulation
Excellent low temperature properties	² Well formulated oils, like Mobil Delvac, that meet or exceed industry or OEM specifications, can help prolong engine life. 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.

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

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 3271-1

This product has the following approvals:

VOLVO VDS-3

VOLVO VDS-4

This product meets or exceeds the requirements of:

API CI-4

API CI-4 PLUS

API CJ-4

CATERPILLAR ECF-3

DAF Extended Drain

ACEA E6

ACEA E9

Properties and Specifications

Property	
Grade	SAE 10W-40
Viscosity Index, ASTM D2270	152
Total Base Number, mgKOH/g, ASTM D2896	13
Ash, Sulfated, mass%, ASTM D874	1
Pour Point, °C, ASTM D97	-30
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	90.6
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	13.6
Flash Point, Cleveland Open Cup, °C, ASTM D92	236
Density @ 15 C, kg/l, ASTM D4052	866

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>

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02-2024

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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 properties may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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