



Mobil Delvac XHP ESP 10W-40
Mobil Commercial Vehicle Lube, United Kingdom
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 life¹ 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.

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). 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
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

Applications²

- 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

Mobil Delvac XHP ESP 10W-40 meets or exceeds the requirements of:	
ACEA E9/E7/E6/E4	X
API CJ-4/ CI-4 Plus/ CI-4	X
JASO DH-2	X
DAF Extended Drain	X
Cummins CES 20081	X
CAT ECF-3	X
Isuzu DEO (w/DPD Equipped Vehicles)	X

Mobil Delvac XHP ESP 10W-40 has the following builder approvals:	
MB-Approval 228.51	X
MB-Approval 235.28	X
MAN M 3477/ M 3575/ M 3271-1	X
MTU Oil Category 3.1	X
Volvo VDS-4/ VDS-3	X
Renault Truck RLD-3/ RLD-2	X

Deutz DQC IV-10 LA	X
Scania Low Ash	X
Voith Retarder Oil Class B	X
Kamaz Euro-3,-4 & -5 engines	X
Avtodisel YaMZ-6-12	X

Mobil Delvac XHP ESP 10W-40 is recommended by ExxonMobil for use in applications requiring:	
Renault Trucks RXD/ RGD	X

Typical Properties

Mobil Delvac XHP ESP 10W-40	
SAE Grade	10W-40
Viscosity, ASTM D 445	
cSt @ 40°C	90.6
cSt @ 100°C	13.6
Viscosity Index, ASTM D 2270	152
Sulfated Ash, wt%, ASTM D 874	1.0
Total Base #, mg KOH/g, ASTM D 2896	13
Pour Point, °C, ASTM D 97	-36
Flash Point, °C, ASTM D 92	236
Density @ 15°C kg/l, ASTM D 4052	0.866

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office or via the Internet, or will be provided by seller to customers if and as legally required. This product should not be used for purposes other

than its intended use. If disposing of used product, take care to protect the environment.

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Esso Petroleum Company limited

ExxonMobil House, Ermyn Way, Leatherhead, Surrey KT22 8UX

44 (0)1372 222000

<http://www.exxonmobil.com>

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 products may not be available locally. For more information, contact your local ExxonMobil contact or visit

www.exxonmobil.com

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