# **Mobil**<sup>®</sup>

## Mobil Delvac XHP™ Extra 10W-40

Mobil Commercial Vehicle Lube , Taiwan

Extra High Performance Diesel Engine Oil

#### Product Description

Mobil Delvac XHP Extra 10W-40 is an extra high performance diesel engine oil engineered to provide outstanding lubrication to modern, high performance engines used in severe on and off-highway applications. This diesel engine oil is designed using high performance base oils which provide excellent low tempe fluidity, high temperature viscosity retention, volatility control, and fuel economy improvement. These base oils are enhanced with an advanced additive system, provides a high level of protection to all parts of the engine. Mobil Delvac XHP Extra 10W-40 is engineered to provide the long oil drain intervals in modern engines.

#### Features and Benefits

High output, low emission engines significantly increased demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil m to replenish depleted additives. Thermal stresses on the lubricant are increased with the use of inter-coolers and turbochargers. Higher fuel injection pressu retarded timing improve burn efficiency, but also increase engine temperatures, volatility, and soot loading of the oil. The advanced technology in Mobil Delvac XHI 10W-40 delivers exceptional performance in both modern diesel engines as well as older models. The key benefits include:

Features	Advantages and Potential Benefits
Outstanding protection against oil thickening, high temperature deposits, sludge build-up, oil degradation and corrosion.	Reduced wear and long engine life. Outstanding control of high temper deposits.
Reduced engine scuffing and bore polishing protection	Excellent protection against ring sticking
Extended TBN reserve	Long-term deposit/wear control. Extended oil drain potential.
Excellent low temperature properties	Improved pumpability and oil circulation. Start-up wear protection.
Start-up wear protection. Low volatility.	Helps to reduces viscosity breakdown and oil consumption under heavy high temperature operating conditions.
Excellent Viscosity Index	Wide range of engine and temperature applications

#### Applications

Recommended by ExxonMobil for use in:

• Naturally aspirated and turbo-charged diesel powered engines built by European and Japanese manufacturers.

- On-highway light and heavy-duty trucking.
- Off-highway industries including: construction, mining, quarrying, and agriculture.

#### Specifications and Approvals

#### This product has the following approvals:

Mack EO-M Plus

This product has the following approvals:
Mack EO-N
MAN M 3277
MB-Approval 228.5
MB-Approval 235.27
MTU Oil Category 3
RENAULT TRUCKS RLD-2
VOITH RETARDER Oil Class A

VOLVO VDS-3

This product is recommended for use in applications requiring:
API CF
Cummins CES 20072
RENAULT TRUCKS RLD
VOLVO VDS-2
This product meets or exceeds the requirements of:
ACEA E4
ACEA E7

RENAULT TRUCKS RXD

Scania LDF-3

#### **Properties and Specifications**

Property	
Grade	SAE 10W-40
Density @ 15 C, g/ml, ASTM D4052	0.867
Ash, Sulfated, mass%, ASTM D874	1.9
Flash Point, Cleveland Open Cup, °C, ASTM D92	226
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.0
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	89
Pour Point, °C, ASTM D97	-42
Total Base Number, mgKOH/g, ASTM D2896	15.9

### 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 All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

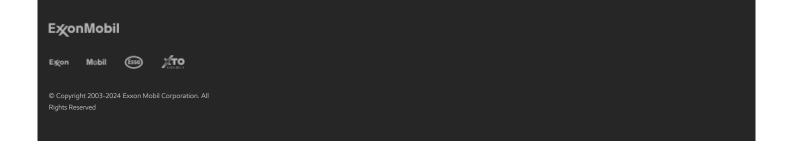
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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect pro performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without nc All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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