

# Mobil Delvac XHP Extra 10W-40

## Extra High Performance Diesel Engine Oil

### Product Description

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

### Features & Benefits

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

| Features   | Advantages & Potential Benefits   |
|--|---|
| Outstanding protection against oil thickening, high temperature deposits, sludge build-up, oil degradation and corrosion | Reduced wear and extended engine life<br>Outstanding control of high temperature deposits<br>Extended oil life above OEM recommended Oil Drain Intervals(ODI) |
| Excellent anti-wear and anti-scuff properties  | Excellent protection against ring sticking  |
| Extended TBN reserve   | Long-term deposit/wear control<br>Extended oil drain potential  |
| Excellent low temperature properties   | Improved pumpability and oil circulation<br>Start-up wear protection<br>Improved low-temperature sludge control in stop-and-go service                        |
| Stay-in-grade shear stability<br>Very low volatility   | Reduces viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions   |
| Advanced high temperature/high shear viscosity   | Reduced engine scuffing and bore polishing protection   |
| Excellent Viscosity Index  | Wide range of engine and temperature applications   |



## Applications

- 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 & Approvals

### Mobil Delvac XHP Extra 10W-40 meets or exceeds the following industry specifications:

|                    |   |
|--------------------|---|
| API CF             | X |
| ACEA E7/E4         | X |
| DAF Extended Drain | X |

### Mobil Delvac XHP Extra 10W-40 has the following builder approvals:

|                           |   |
|---------------------------|---|
| MAN M3277                 | X |
| Daimler Chrysler MB 228.5 | X |
| Volvo VDS-3/VDS-2         | X |
| MTU Type 3                | X |

### Mobil Delvac XHP Extra 10W-40 is also recommended for use in applications requiring

|                   |   |
|-------------------|---|
| RVI RXD           | X |
| Cummins CES 20072 | X |

## Typical Properties

### Mobil Delvac XHP Extra 10W-40

|                                     |             |
|-------------------------------------|-------------|
| SAE Grade                           | 10W-40      |
| Viscosity, ASTM D 445               |             |
|                                     | cSt @ 40°C  |
|                                     | 89          |
|                                     | cSt @ 100°C |
|                                     | 13.0        |
| Viscosity Index, ASTM D 2270        | 149         |
| Sulfated Ash, wt%, ASTM D 874       | 1,9         |
| Total Base #, mg KOH/g, ASTM D 2896 | 15,9        |
| Pour Point, °C, ASTM D 97           | -42         |
| Flash Point, °C, ASTM D 92          | 226         |
| Density @ 15°C kg/l, ASTM D 4052    | 0.867       |

## Health & 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. 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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