



Mobil Delvac XHP™ Ultra 5W-30

Mobil Commercial Vehicle Lube , Switzerland

Synthetic Diesel Engine Oil

Product Description

Mobil Delvac XHP Ultra 5W-30 is a synthetic, extra high performance diesel engine oil engineered to provide outstanding protection and fuel economy for modern heavy duty diesel engines used in severe on highway applications. This diesel engine oil is designed using advanced technology base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control, and contribute to potential fuel economy improvement. These base oils also feature an advanced additive system, which provides a high level of protection to all parts of the engine.

Features and Benefits

High output, low emission diesel engines significantly increase the demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil make-up to replenish depleted additives. Thermal stresses on the lubricant are increased with the use of intercoolers 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 Ultra 5W-30 delivers exceptional performance and is approved as the initial fill for Mercedes Benz Actros diesel engines. The key benefits include:

| Features                                                                                                                                                                  | Advantages and Potential Benefits                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outstanding protection against oil thickening, high temperature deposits, sludge build-up, oil degradation and corrosion<br>Excellent anti-wear and anti-scuff properties | Long engine life<br>Less wear<br>Outstanding control of high temperature deposits<br>Extended oil life above OEM recommended Oil Drain Intervals(ODI)<br>Excellent protection against ring sticking |
| Extended TBN Reserve                                                                                                                                                      | Long-term deposit/wear control<br>Extended oil drain potential                                                                                                                                      |
| Excellent low temperature properties                                                                                                                                      | Excellent pumpability and oil circulation<br>Start-up wear protection                                                                                                                               |
| Stay-in-grade shear stability<br>Very low volatility                                                                                                                      | Reduces viscosity breakdown and helps reduce oil consumption under heavy duty, high temperature operating conditions                                                                                |
| Advanced formulation viscometrics                                                                                                                                         | Potential fuel economy benefits                                                                                                                                                                     |

Applications

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel engines built by Mercedes Benz and MAN manufacturers
- On highway light and heavy duty trucking

Specifications and Approvals

|                                                                           |
|---------------------------------------------------------------------------|
| <b>MOBIL DELVAC XHP ULTRA 5W-30 meets or exceeds the requirements of:</b> |
| ACEA E4                                                                   |

Properties and Specifications

| Property                                      |           |
|-----------------------------------------------|-----------|
| Grade                                         | SAE 5W-30 |
| Ash, Sulfated, mass%, ASTM D874               | 1.4       |
| Density @ 15 C, kg/m3, ASTM D4052             | 0.853     |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 226       |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 11.8      |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445  | 69.7      |
| Pour Point, °C, ASTM D97                      | -42       |
| Total Base Number, mgKOH/g, ASTM D2896        | 12.7      |
| Viscosity Index, ASTM D2270                   | 168       |

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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