



Mobil Delvac XHP™ ESP 5W-30

Mobil Commercial Vehicle Lube , Belgium

Advanced Engine and Emission System Protection

Product Description

Mobil Delvac XHP ESP 5W-30 is an extra high performance diesel engine oil engineered to provide outstanding protection and fuel economy potential* in modern, high performance, low emissions engines used in severe on-highway applications. This engine oil is specifically designed to meet the latest MB-Approval 228.61 requirements for modern diesel engines. This engine oil is formulated with high quality base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control and contribute to fuel economy improvement potential. The advanced additive system has been expertly engineered to help prolong the life and maintain the efficiency of emission reduction systems such as the Diesel Particulate Filter (DPF).

*The fuel economy potential is based on experience of comparing the 5W-30 with a 10W-40 & 15W-40.

Features and Benefits

High output, low emission diesel engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers, and turbochargers increase mechanical and thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure, retarded timing and after-treatment devices all require improved oil performance in areas such as oxidation stability, soot dispersancy, volatility and compatibility with after-treatment devices. The advanced technology in Mobil Delvac XHP ESP 5W-30 delivers exceptional performance and protection of exhaust systems fitted with Diesel Particulate Filters. The key benefits include:

| Features | Advantages and Potential Benefits |
|--|---|
| Excellent protection against oil thickening, oil degradation, high temperature deposits, and sludge build-up | Contributes to long oil life consistent with OEM recommended Oil Drain Intervals (ODI) Helps prevent ring sticking for better engineprotection and efficiency |
| Excellent protection against wear, scuffing, bore polishing, and corrosion | Helps control wear in heavy duty operation,promoting long engine life |
| Excellent low temperature fluidity | Contributes to excellent oil pumpability and circulation allowing operation in cold climate regions Helps protect against wear during cold engine start-up |
| Advanced "Low Ash" componentry | Helps improve efficiency and extend durability of emission exhaust systems fitted with Diesel Particulate Filters (DPF) |
| Advanced formulation viscometrics . SAE 5W-30 . Stay-in-grade shear stability . Very low volatility | Potentially helps to reduce fuel consumption over higher viscosity grade engine oils without compromising engine durability (potential fuel economy depending on vehicle type and driving conditions) Helps to control viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions |

Applications

Recommended by ExxonMobil for use in:

- Latest generation Mercedes-Benz trucks and buses requiring MB-Approval 228.61 lubricants (OM 470 FE1 and OM 471 FE1 engines)
- Off-highway application for engines OM 470, OM 471, and OM 473

Specifications and Approvals

This product has the following approvals:

MB-Approval 228.61

Properties and Specifications

| Property | |
|--|-----------|
| Grade | SAE 5W-30 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 10.0 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 55.4 |
| Viscosity Index, ASTM D2270 | 166 |
| Ash, Sulfated, mass%, ASTM D874 | 0.99 |
| Total Base Number, mgKOH/g, ASTM D2896 | 11.0 |
| Flash Point, °C, ASTM D92 | 232 |
| Density @ 15 C, g/ml, ASTM D4052 | 0.850 |

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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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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