



Mobil Delvac Ultra™ 5W-40 Ultimate Protection V1

Mobil Commercial Vehicle Lube , Peru

Advanced Full Synthetic Engine Oil

Product Description

Mobil Delvac Ultra™ 5W-40 Ultimate Protection V1 is an advanced synthetic heavy duty diesel engine oil that helps extend engine life while providing long drain capability¹ and potential fuel economy² for modern and latest diesel engine technology operating in severe applications. This product is formulated to deliver exceptional performance in modern and older, hard working, engines, including those with emission control systems. Mobil Delvac Ultra™ 5W-40 Ultimate Protection V1 is recommended for use in a wide range of heavy-duty applications and operating environments found in the on-road transport and off-road mining, construction, and agricultural industries.

The outstanding performance of Mobil Delvac Ultra™ 5W-40 Ultimate Protection V1 is the result of extensive cooperative development work of ExxonMobil with major equipment builders and application of the latest lubrication technology. As a result, this product meets or exceeds the requirements of the latest API and ACEA industry specifications for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers.

¹ Please refer to the owners handbook for OEM application requirements and oil drain intervals for your vehicle or equipment.

² Compared to an SAE 15W-40 engine oil. Actual savings are dependent on vehicle engine type, outside temperature, driving conditions, and your current engine oil viscosity.

Features and Benefits

Mobil Delvac Ultra™ 5W-40 Ultimate Protection V1 is an outstanding lubricant solution for modern and latest engine technology equipped with emission after-treatment. It was developed by ExxonMobil to maintain unsurpassed oxidation stability³ while also delivering exceptional low temperature fluidity and pumpability for smooth starting in cold down to -35°C. This feature, in combination with the sophisticated additive system, ensures exceptional engine wear performance and supports long engine life. The low ash formulation protects at the same time all exhaust after-treatment devices to maintain cleaner air requirements. The advanced engine cleanliness performance prevents deposits and keeps the engine running like new for long and efficient engine life.

³ Based on measured viscosity increase in the Volvo T-13 test.

| Features | Advantages and Potential Benefits |
|--|---|
| Unsurpassed oxidation stability ³ | Long oil drain intervals and prevention of deposits |
| Excellent low temperature pumpability | Reliable engine start and wear protection at low temperatures |
| Low volatility, excellent wear and bore polish control | Good oil consumption control |
| Superb resistance to corrosion | Protection of critical engine surfaces in humid environments |
| Long drain capability | Help towards operational efficiency and overall cost control |
| Good resistance to corrosion | Helps towards long life of critical wear surfaces |
| Component compatibility | Long gasket and seal life, extended service intervals |

Applications

Recommended by ExxonMobil for use in:

- Most engine generations up to latest and most sophisticated high performance diesel engines with turbo-charger, direct injection and low emission designs, featuring all types of exhaust after-treatment technology
- On-highway engines operating in both high speed/high load and stop-and-go conditions
- Off-highway engines operating in severe low speed/heavy load conditions
- Most diesel powered equipment from American and European equipment builders
- High performance gasoline engines and mixed fleets
- Refrigeration units

Please refer to the owners handbook for OEM application requirements and oil drain intervals for your vehicle or equipment.

Specifications and Approvals

| This product has the following approvals: |
|--|
| Detroit Detroit Fluids Specification 93K222 |
| Detroit Fluids Specification 93K218 |
| MACK EOS-4.5 |
| RENAULT TRUCKS RLD-3 |
| VOLVO VDS-4.5 |
| Cummins CES 20081 |
| Cummins CES 20086 |

| This product is recommended for use in applications requiring: |
|---|
| ACEA E9 |

| This product meets or exceeds the requirements of: |
|---|
| API CK-4 |
| API CH-4 |
| API CI-4 |
| API CI-4 PLUS |
| API CJ-4 |
| API SL |

This product meets or exceeds the requirements of:

API SM

API SN

JASO DH-2

ACEA E7

Caterpillar ECF-3

Properties and Specifications

| Property | |
|--|-----------|
| Grade | SAE 5W-40 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 84 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 13.8 |
| Specific Gravity, 15.6 C/15.6 C, ASTM D4052 | 0.85 |
| Viscosity Index, ASTM D2270 | 150 |
| Pour Point, °C, ASTM D97 | -48 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 233 |

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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07-2024

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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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