



Mobil Delvac 1™ 5W-40

Mobil Commercial Vehicle Lube , 中国

Advanced Full Synthetic Engine Oil

Product Description

Mobil Delvac 1™ 5W-40 is a fully synthetic high performance heavy duty diesel engine oil that helps towards long engine life while providing long drain capability for modern diesel engines operating in severe applications. Mobil Delvac 1™ 5W-40 delivers excellent performance in modern engines, including refrigerated units, as well as older, well-maintained engines. Mobil Delvac 1 5W-40 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 excellent performance of Mobil Delvac 1™ 5W-40 is the result of extensive cooperative development work with major equipment builders and application of advanced lubrication technology. As a result, this product meets or exceeds demanding specifications of major OEMs.

Features and Benefits

| Features | Advantages and Potential Benefits |
|---|--|
| Meets or exceeds demanding specifications of major OEMs | One engine oil for mixed fleet operations |
| Outstanding thermal and oxidation stability | Control of low temperature sludge build-up and high temperature deposits |
| Low volatility, excellent wear and bore polish control | Good oil consumption control |
| Expertly formulated low viscosity formulation | Fuel economy potential ¹ |
| Exceptional low temperature pumpability | Easier engine start-up and reduced wear |
| Good resistance to corrosion | Helps towards long life of critical wear surfaces |
| Long drain capability | Help towards operational efficiency and overall cost control |
| Component compatibility | Long gasket and seal life, extended service intervals |

Applications

Many modern, low emission diesel engines generate more soot and operate at higher temperatures than older engines. This significantly increases the need for high performance lubricants. Current tighter engine designs reduce oil consumption, resulting in less fresh oil makeup to replenish depleted additives. Top piston rings are located higher, bringing the oil film closer to the combustion chamber and exposing the lubricant to severe thermal stresses. Mobil Delvac 1™ 5W-40 maintains outstanding performance at high temperatures. The key benefits include:

¹ Relative to conventional 15W-40 engine oil. Actual fuel economy improvement is dependent on vehicle/equipment type, outside temperature, driving conditions and your current fluid viscosity.

Specifications and Approvals

This product has the following approvals:

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MACK EO-N

MAN M 3277

MAN M 3377

MTU Oil Category 3

RENAULT TRUCKS RLD-2

VOLVO VDS-3

CUMMINS CES 20077

CUMMINS CES 20078

CUMMINS CES 20076

DTFR 15B120

This product is recommended for use in applications requiring:

API CF-4

API CG-4

This product meets or exceeds the requirements of:

API CH-4

API CI-4

API CI-4 PLUS

JASO DH-1

ACEA E4-16

ACEA E7-16

Caterpillar ECF-2

ISUZU DEO (w/o DPD Equipped Vehicles)

Properties and Specifications

| Property | |
|---|-----------|
| Grade | SAE 5W-40 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 220 |

| Property | |
|--|------|
| Density @ 15 C, g/ml, ASTM D1298 | 0.85 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 15.4 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 92.7 |
| Total Base Number, mgKOH/g, ASTM D2896 | 14.5 |
| Viscosity Index, ASTM D2270 | 174 |
| Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293 | 6040 |
| Pour Point, °C, ASTM D97 | -48 |

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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