Mobil

# Mobil Delvac 1™ LE 5W-30

Mobil Commercial Vehicle Lube , Japan

Fully Synthetic Heavy-Duty Diesel Engine Oil

**Product Description**

Mobil Delvac 1™ LE 5W-30 is a fully synthetic, heavy-duty diesel engine oil that combines advanced engine protection for modern low emissions vehicles with enhanced fuel economy potential[1] and other sustainability-related benefits such as engine durability, emissions system protection and extended drain capability.

Mobil Delvac 1 LE 5W-30 utilizes state-of-the-art technology to deliver exceptional performance and is well suited for an extensive array of diesel-powered commercial vehicles for both on- and off-highway use in industries such as transportation, mining, construction and agriculture. Mobil Delvac 1 LE 5W-30 meets or exceeds an extremely broad range of industry and manufacturer specifications from around the world.

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

**Features and Benefits**

• Formulated with advanced synthetic base stocks to help improve fuel economy*

• Unsurpassed oxidation stability† that helps reduce engine deposits to keep engines running reliably

• Excellent anti-wear and anti-scuff properties help control wear in heavy-duty operation to help promote long engine life

• Excellent low-temperature performance allows for increased oil flow to critical bearing surfaces at startup and controls low-temperature sludge formation in stop-and-go service

• Stay-in-grade shear stability maintains viscosity in severe, high-temperature service, provides wear protection and helps reduce oil consumption

• Outstanding protection against oil thickening and degradation contributes to long drain interval capability, helping to reduce the number of oil changes and oil disposal needs

*Relative to mineral base oil formulated engine oils. Actual fuel economy improvement is dependent on vehicle/equipment type, outside temperature, driving conditions and your current fluid viscosity.

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

| Features | Advantages and Potential Benefits |
|---|---|
| Advanced Wear Protection | Engine Durability |
| Enhanced Fuel Economy Potential | Reduced Fuel Consumption |
| Extended Drain Interval Capability | Fewer Oil Changes and Less Oil Disposal |
| Emissions System Protection | Emissions System Durability and Performance |
| Excellent Low Temperature Performance | Easier Starting in Cold Weather |

**Applications**

• Heavy Duty Diesel Engines including Euro V/VI and US EPA 2007/2010 Modern Low Emissions Vehicles, Utilizing Technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas

Recirculation (EGR)

- Heavy Duty Diesel Engines using low sulfur diesel fuels and many biodiesel fuel formulations
- Naturally Aspirated and Turbo-Charged Diesel Powered Equipment
- On-Highway Short-Haul and Long-Haul Trucks and Buses
- Off-Highway Mining, Construction and Agricultural Equipment

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 Fluids Specification 93K218 |
| DEUTZ DQC IV-10 LA |
| Mack EO-O Premium Plus |
| MAN M 3677 |
| MAN M 3691 |
| MTU Oil Category 3.1 |
| RENAULT TRUCKS RLD-2 |
| RENAULT TRUCKS RLD-3 |
| VOLVO VDS-3 |
| VOLVO VDS-4 |
| Cummins CES 20086 |
| MAN M 3775 |
| MAN M 3777 |

| **This product is recommended for use in applications requiring:** |
|---|
| MAN M 3271-1 |
| MAN M 3575 |

| This product is recommended for use in applications requiring: |
|---|
| MAN M 3477 |

| This product meets or exceeds the requirements of: |
|---|
| API CI-4 |
| API CI-4 PLUS |
| API CJ-4 |
| JASO DH-2 |
| ACEA E4 |
| ACEA E7 |
| Caterpillar ECF-3 |
| DAF Extended Drain |
| Ford WSS-M2C171-E |
| ACEA E8 |
| ACEA E11 |

**Properties and Specifications**

| Property | |
|---|---|
| Grade | SAE 5W-30 |
| Viscosity Index, ASTM D2270 | 164 |
| Pour Point, °C, ASTM D97 | -42 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 74 |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 12.2 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 234 |
| Density @ 15.6 C, g/ml, ASTM D4052 | 0.851 |
| Total Base Number, mgKOH/g, ASTM D2896 | 12.8 |
| Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293 | 6392 |

**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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