



## Mobil Delvac 1™ LE 5W-30

### 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<sup>1</sup> 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.

#### Features and Benefits

High output, low emissions engines significantly increase demands on engine lubricants. Tighter engine design reduces oil consumption, resulting in less fresh oil makeup to replenish depleted additives. Thermal stresses on the lubricant are increased with the use of inter-coolers and turbochargers. Higher fuel injection and cylinder pressures and retarded timing improve burn efficiency, but also increase engine temperatures, volatility, and soot loading of the oil. The advanced technology in Mobil Delvac 1 LE 5W-30 delivers exceptional performance in these severe conditions while protecting emissions systems.

Features	Advantages and Potential Benefits
Advanced Wear Protection	Engine Durability
Enhanced Fuel Economy Potential <sup>1</sup>	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

<sup>1</sup> 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.

#### Applications<sup>2</sup>

- 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

<sup>2</sup> Please refer to the owners handbook for OEM application requirements and oil drain intervals for your vehicle or equipment

#### Specifications and Approvals

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Mobil Delvac 1 LE 5W-30 meets or exceeds the

**requirements of:****5W-30**

ACEA E9	X
ACEA E7	X
ACEA E6	X
API CJ-4	X
API CI-4 PLUS	X
API CI-4	X
API SN	X
JASO DH-2	X
Caterpillar ECF-3	X
Cummins CES 20081	X
DAF Extended Drain	X
Ford WSS-M2C171-E	X

**Mobil Delvac 1 LE 5W-30 has the following builder approvals:****5W-30**

MB-Approval 235.28	X
MB-Approval 228.51	X
MB-Approval 228.31	X
MAN M 3677	X
MAN M 3477	X
MAN M 3271-1	X
Volvo VDS-4	X
Volvo VDS-3	X
Voith Retarder Oil Class B	X
Deutz DQC IV-10 LA	X
Detroit Fluids Specification 93K218	X
Mack EO-O Premium Plus	X
MTU Oil Category 3.1	X
Renault Truck RLD-3	X
Renault Truck RLD-2	X
Scania Low Ash	X

**Mobil Delvac 1 LE 5W-30 is recommended by ExxonMobil for use in applications requiring:****5W-30**

Renault Truck RGD	X
Renault Truck RXD	X

**Typical Properties****Mobil Delvac 1 LE 5W-30**

SAE Grade	5W-30
Viscosity, ASTM D 445	
cSt @ 40°C	69
cSt @ 100°C	11.8
Viscosity Index, ASTM D 2270	168

Sulfated Ash, wt%, ASTM D 874

1.0

Sulfated Ash, wt%, ASTM D 974	1.0
Total Base #, mg KOH/g, ASTM D 2896	10
Pour Point, °C, ASTM D 97	-51
Flash Point, °C, ASTM D 92	234
Density @ 15°C, kg/l, ASTM D 4052	0.855

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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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](http://www.exxonmobil.com). ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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