



Mobil Delvac 1™ ESP 5W-30

Mobil Commercial Vehicle Lube, United States

HIGH PERFORMANCE ADVANCED SYNTHETIC FORMULA LOW ASH DIESEL ENGINE OIL

Product Description

Mobil Delvac 1™ ESP 5W-30 is an advanced synthetic heavy duty diesel engine oil for long and reliable service. The development of this product summarizes more than 90 years of ExxonMobil's research and development knowledge. The goal was to define a product that addresses all features required with modern on-highway truck applications, including those with emission control systems¹. This top performance product offers unsurpassed oxidation stability³ which results in engine cleanliness promoting efficient and smooth engine operation. The robustness of Mobil Delvac 1™ ESP 5W-30 meets or exceeds the longest oil drain intervals defined by major global manufacturers, offering protection during extended oil drains up to 100,000 miles¹. It was also developed and tested to protect the engine with the use of biofuel components to consider different diesel fuel qualities and future, sustainability related fuel components. The advanced lubricant formulation helps to gain fuel economy benefits in modern engine applications². The outstanding wear protection performance of Mobil Delvac 1 ESP 5W-30 is the result of extensive and close cooperative development work of ExxonMobil with major equipment builders. 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.

Features and Benefits

Mobil Delvac 1™ ESP 5W-30 is an outstanding lubricant solution for modern and latest engine technology equipped with emission After-Treatment devices. It was developed by ExxonMobil to maintain unsurpassed oxidation stability³ performance to meet long oil drain intervals and support low maintenance efforts. Mobil Delvac 1™ ESP 5W-30 keeps at the same time critical and hot engine parts clean, also while bio diesel fuel components are used, for long and efficient engine life. 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 parts required to meet emissions regulations.

The key benefits of Mobil Delvac 1™ ESP 5W-30 include:

Features

Advantages and Potential Benefits

Features	Advantages and Potential Benefits
Unsurpassed thermal and oxidation stability ³	Prevention of deposits and smooth engine operation
Step out wear protection	Reduced engine wear to promote long engine life
Bio fuel compatible	Maintains engine cleanliness and protection with bio fuel components
Enhanced fuel economy potential ²	Reduced fuel consumption
Extended drain interval capability	Fewer oil changes and less oil disposal
Emission system protection	Emissions system durability and performance

Applications ¹

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
- 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 equipment

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.³ Based on PC-11 industry test data.

Specifications and Approvals

This product meets or exceeds the requirements of the following industry and builder specifications:

ACEA E6

ACEA E7

ACEA E9

API CK-4

API CJ-4

API CI-4 PLUS

API SN

API SM

JASO DH-2

DAF Extended Drain

CUMMINS CES 20086

CATERPILLAR ECF-3

This product has the following builder approvals:

Detroit Detroit Fluids Specification 93K222

DEUTZ DQC IV-10 LA

MACK EOS-4.5

MB-Approval 228.51

MTU Oil Category 3.1

RENAULT TRUCKS RLD-4

VOLVO VDS-4.5

Typical Properties

Mobil Delvac 1™ ESP 5W-30	
SAE Grade	5W-30
Viscosity, ASTM D 445	
cSt @ 40°C	73
cSt @ 100°C	12
CCS, cP, ASTM D 5293	6430 @ -30°C
MRV, cP, ASTM D 4684	19,700@ -35°C
HTHS @ 150°C, cP, ASTM D4683	3.6
Viscosity Index, ASTM D 2270	160
Sulfated Ash, wt%, ASTM D 874	1
Total Base Number, mg KOH/g, ASTM D 2896	11
Pour Point, °C, ASTM D 97	-42
Flash Point, °C, ASTM D 92	241
Density @ 15°C kg/l, ASTM D 4052	0.851

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. MSDSs are available upon request through your sales contact 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.

The Mobil logotype, the Pegasus design, and Delvac 1 are trademarks of Exxon Mobil Corporation, or one of its subsidiaries.

09-2018

Exxon Mobil Corporation

22777 Springwoods Village Parkway
Spring TX 77389

1-800-ASK MOBIL (275-6624)

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

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.

Energy lives here™

[Privacy policy](#) • [Terms & conditions](#)

© Copyright 2003-2017 Exxon Mobil Corporation.

All Rights Reserved.