Mobil

Mobil Delvac 1™ Advanced Fuel Economy 5W-30

Mobil Commercial Vehicle Lube , Canada

Advanced Synthetic Formula Fuel Economy Low Ash Diesel Engine Oil

Product Description

Mobil Delvac 1™ Advanced Fuel Economy 5W-30 is our most sophisticated synthetic heavy duty diesel engine oil, developed to meet API FA-4 Industry and many OEM fuel economy specifications. ExxonMobil aimed to introduce a low viscosity product that strongly contributes to fuel saving characteristics of modern, friction modified engines[2]. Mobil Delvac 1™ Advanced Fuel Economy 5W-30 is designed to provide at the same time exceptional protection for all engine and exhaust after-treatment parts by its advanced low ash formulation. Its unique wear protection technology supports long engine life and reliable operation in a wide range of applications. Mobil Delvac 1™ Advanced Fuel Economy 5W-30 meets and exceeds the longest oil drain interval requirements defined by major manufacturers, offering protection during extended oil drains up to 100,000 miles[1]. It was also developed and tested to protect the engine with the use of biofuel components to consider different diesel fuel qualities. The combination of strong fuel economy performance[2], long oil drain intervals and step out engine and emission system protection makes this product the most sustainable offer ExxonMobil can provide for your business and the environment.

[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 1™ Advanced Fuel Economy 5W-30 is the most advanced lubricant solution for latest, fuel efficient engine technology equipped with emission after-treatment devices1. It was developed by ExxonMobil to provide fuel savings[2] while maintaining outstanding wear performance. Mobil Delvac 1™ Advanced Fuel Economy 5W-30 also provides unsurpassed oxidation stability performance[3], providing long oil drain intervals to support low maintenance efforts. The low ash formulation protects at the same time all exhaust after-treatment parts required to meet emissions regulations.

[3] Based on PC-11 industry test data.

The key benefits of Mobil Delvac 1™ Advanced Fuel Economy 5W-30 include:

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

Applications

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

Recommended by ExxonMobil for use in:

- Sophisticated heavy duty 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
- Direct injection or naturally aspirated and turbo-charged diesel powered equipment
- On-highway short-haul and long-haul trucks, buses, pick-ups and vans

Specifications and Approvals

This product has the following approvals:
DetroitDetroit Fluids Specification 93K223

This product meets or exceeds the requirements of:
APIFA-4
APISN
JASO DH-2
Cummins CES 20087
FORDWSS-M2C214-B1

Properties and Specifications

Property	
Grade	SAE 5W-30
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	62
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	10.2
Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293	6310
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	16,400
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.2
Viscosity Index, ASTM D2270	153
Ash, Sulfated, mass%, ASTM D874	1
Total Base Number, mgKOH/g, ASTM D2896	11
Pour Point, °C, ASTM D97	-42
Flash Point, Cleveland Open Cup, °C, ASTM D92	238
Density @ 15 C, g/ml, ASTM D1298	0.850

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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