Mobil

Mobil Delvac 1™ Advanced Fuel Economy 5W-30

Mobil Commercial Vehicle Lube , Canada

Advanced Full Synthetic Formula Fuel Economy Low Ash Diesel Engine Oil

Product Description

Mobil Delvac 1™ Advanced Fuel Economy 5W-30 is our most sophisticated full synthetic heavy duty diesel engine oil, developed to meet API FA-4 Industry and many OEM fuel economy specifications. Mobil Delvac 1™ Advanced Fuel Economy 5W-30 is designed to provide improved fuel economy and 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 3X the average OEM ODI recommendation [1]. It was also developed and tested to protect engines that use biofuel.

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 devices[1]. 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.

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
Biofuel compatible	Maintains engine cleanliness and protection with use of biofuel

Applications

Recommended by ExxonMobil for use in:

▪ Heavy-duty, low-emission diesel engines where API FA-4 is recommended by the engine builder/OEM, 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)

▪ Sophisticated heavy-duty high performance diesel engines where API FA-4 is recommended by the engine builder/OEM with turbo-charger, direct injection and low emission designs, featuring all types of exhaust after-treatment technology Direct-injection or naturally aspirated and turbocharged, diesel-powered equipment

▪ On-highway short-haul and long-haul trucks and buses

[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 has the following approvals:
Detroit Detroit Fluids Specification 93K223
MB-Approval 228.61
Daimler Truck DTFR 15C130

This product meets or exceeds the requirements of:
API FA-4
API SN
JASO DH-2
Cummins CES 20087
FORD WSS-M2C214-B1
API SM
API SP

Properties and Specifications

Property	
Grade	SAE 5W-30
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	10.2
Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293	6310
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.2
Viscosity Index, ASTM D2270	153
Pour Point, °C, ASTM D97	-42
Flash Point, Cleveland Open Cup, °C, ASTM D92	238
Density @ 15 C, g/ml, ASTM D1298	0.850
Total Base Number, mgKOH/g, ASTM D2896	10.8

Property	
Ash, Sulfated, mass%, ASTM D874	0.95
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	61.78
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	16350

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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