



Mobil Delvac 1™ 5W-30 Advanced Synthetic

Mobil Commercial Vehicle Lube , Canada

High Performance Advanced Synthetic Formula Low Ash Diesel Engine Oil

Product Description

Mobil Delvac 1™ 5W-30 Advanced Synthetic is an advanced full synthetic heavy duty diesel engine oil for long and reliable service. The development of this product summarizes almost 100 years of research and development knowledge. The goal was to define a product that addresses all features required for modern on-highway truck applications, including those with emission control systems¹. This premium performance product offers unsurpassed oxidation stability², which results in engine cleanliness promoting efficient and smooth engine operation. The robustness of Mobil Delvac 1™ 5W-30 Advanced Synthetic meets or exceeds the longest oil drain intervals defined by major global manufacturers, offering protection during extended oil drains up to 3X the OEM recommended intervals¹. It was also developed and tested to protect engines that use biofuel to consider different diesel fuel qualities and future, sustainability related fuel components. The advanced lubricant formulation is designed to help gain fuel economy benefits in modern engine applications³. The outstanding wear protection performance of Mobil Delvac 1 5W-30 Advanced Synthetic is the result of extensive and close cooperative development work 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 5W-30 Advanced Synthetic diesel oil is an outstanding lubricant solution for modern engine technology equipped with emission after-treatment devices. It was developed to maintain exceptional oxidation stability performance to meet long oil drain intervals and support low maintenance efforts. Mobil Delvac 1 5W-30 Advanced Synthetic keeps hot engine parts clean while also providing protection for components for long and efficient engine life with the use of bio fuel. This feature, in combination with the sophisticated additive system, ensures exceptional engine wear performance and supports long engine life. The low ash formulation protects all exhaust after-treatment parts required to meet emissions regulations.

Features	Advantages and Potential Benefits
Exceptional thermal and oxidation stability	Prevention of deposits and smooth engine operation
Step out wear protection	Helps reduce engine wear to promote long engine life
Bio fuel compatible	Helps maintain engine cleanliness and protection with bio fuel components
Enhanced fuel economy potential	Potential reduction in fuel consumption
Extended drain interval capability	Helps reduce oil changes and less oil disposal
Emission system protection	Emissions system durability and performance

Applications

¹ Please refer to the owner's handbook for OEM application requirements and oil drain intervals for your vehicle or equipment.

² Based on measured viscosity increase in the Volvo T-13 test.

³ 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.

Specifications and Approvals

This product has the following approvals:

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Detroit Detroit Fluids Specification 93K222
DQC IV-18 LA
MACK EOS-4.5
MTU Oil Category 3.1
VOLVO VDS-4.5
MAN M 3677
MAN M 3775
MB-Approval 228.51
MB-Approval 228.52

This product meets or exceeds the requirements of:
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
Caterpillar ECF-3
Cummins CES 20086
API CH-4
API CI-4
API SP
ISUZU DEO (w/ DPD Equipped Vehicles)

Property	
Grade	SAE 5W-30
Cold-Cranking Simulator, Apparent Viscosity @ -30 C, mPa.s, ASTM D5293	6430
Flash Point, Cleveland Open Cup, °C, ASTM D92	241
Viscosity Index, ASTM D2270	160
Density @ 15 C, g/ml, ASTM D1298	0.851
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	19700
Pour Point, °C, ASTM D97	-42
Ash, Sulfated, mass%, ASTM D874	0.95
Total Base Number, mgKOH/g, ASTM D2896	10.8
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.58
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	11.95
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	73.2

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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