



Mobil 1™ ESP Formula 5W-30

Mobil Passenger Vehicle Lube , Belgium

Advanced Synthetic Engine Oil

Product Description

Mobil 1™ ESP Formula 5W-30 is an advanced performance engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 ESP Formula 5W-30 has been expertly engineered to help prolong the life and maintain the efficiency of emission systems in both diesel and gasoline powered automobiles. Mobil 1 ESP Formula 5W-30 meets or exceeds the requirements of many leading industry and car manufacturers' standards required for newer modern diesel and gasoline powered passenger car engines.

Features and Benefits

Mobil 1 ESP Formula 5W-30 is made with a proprietary blend of leading edge components formulated to be fully compatible with the latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters (CAT's). Mobil 1 ESP Formula 5W-30 has been designed to help deliver outstanding performance and protection in conjunction with fuel economy benefits. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Low Ash Content	Helps to reduce particulate build up in Diesel Particulate Filters
Low Sulphur and Phosphorous content	Helps to reduce poisoning of Gasoline Catalytic Converters
Active cleaning agents	Helps to reduce deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Helps to reduce oil aging allowing extended drain interval protection
Low oil consumption	Less hydrocarbon pollution
Enhanced frictional properties	Aids fuel economy

Applications

Mobil 1 ESP Formula 5W-30 is recommended for all types of modern automobile engines, especially the high-performance gasoline and diesel engines found in the latest passenger cars, SUVs and light vans.

- Mobil 1 ESP Formula 5W-30 is especially suitable for extreme conditions, where conventional oil often may not perform
- It is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer

Specifications and Approvals

MOBIL 1 ESP FORMULA 5W-30 have the following builder approvals:
Chrysler MS-11106
GM dexos2
Peugeot/Citroën Automobiles B71 2290
Peugeot/Citroën Automobiles B71 2297

MOBIL 1 ESP FORMULA 5W-30 have the following builder approvals:

MB-Approval 229.51

MB-Approval 229.31

MOBIL 1 ESP FORMULA 5W-30 meets or exceeds the requirements of:

API SM Engine Test Requirements

API SN Engine Test Requirements

JASO DL-1

Properties and Specifications

Property	
Grade	SAE 5W-30
Ash, Sulfated, mass%, ASTM D874	0.6
Density @ 15.6 C, g/ml, ASTM D4052	0.850
Flash Point, Cleveland Open Cup, °C, ASTM D92	254
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.58
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	12.1
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	72.8
Pour Point, °C, ASTM D97	-45
Viscosity Index, ASTM D2270	164

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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