



Mobil 1™ ESP Formula 5W-30

Advanced Synthetic Engine Oil

Product Description

Mobil 1™ ESP Formula 5W-30 is an advanced performance synthetic 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 Potential 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
Excellent low temperature capabilities	Quick cold weather starting and ultra fast protection Helps to extend engine life

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 has the following builder approvals:

BMW	Longlife 04
MB-Approval	229.31
MB-Approval	229.51
Volkswagen (Gasoline / Diesel)	504 00 / 507 00
Porsche	C30
Chrysler	MS-11106
Peugeot/Citroën Automobiles	B71 2290
	B71 2297
AVTOVAZ	LADA cars

Mobil 1 ESP Formula 5W-30 meets or exceeds the requirements of:

ACEA	C2, C3
API (Meets Engine Test Requirements)	SM / SN
JASO	DL-1
AAE (STO 003)	Group B6

According to Imperial Oil, Mobil 1 ESP Formula 5W-30 is of the following quality level:

API	CF
Volkswagen (Gasoline)	502 00 / 503 00 / 503 01
Volkswagen (Diesel)	505 00 / 505 01 / 506 00 / 506 01

All VW engines with the exception of Unit-Injector / Pump-Duse TDI without LongLife Service and without DPF between 1999-2003 and R5/V10-TDi before model year 2006

Typical Properties

Mobil 1 ESP Formula 5W-30	
SAE Grade	5W-30
Viscosity, cSt (ASTM D445)	
@ 40°C	72.8
@ 100°C	12.1
Viscosity Index	164
Sulphated Ash, wt% (ASTM D874)	0.6
HTHS Viscosity, mPa·s @ 150 °C (ASTM D4683)	3.58
Pour Point, °C (ASTM D97)	-45
Flash Point, °C (ASTM D92)	254
Density @ 15.6 °C, g/ml (ASTM D4052)	0.850

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment.

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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. 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.

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