



## Mobil 1™ ESP 0W-30

Mobil Passenger Vehicle Lube , Belarus

Advanced Full Synthetic Motor Oil

### Product Description

Mobil 1™ ESP 0W-30 is an advanced full synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 ESP 0W-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 0W-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 0W-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 0W-30 has been designed to help deliver outstanding performance and protection in conjunction with potential 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 Sulfur 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	Potentially aids fuel economy
Excellent low temperature capabilities	Quick cold weather starting and ultra-fast protection Helps to extend engine life

### Applications

Mobil 1 ESP 0W-30 carries recommendations for a wide range of passenger cars, SUVs and light vans. It is designed for modern high efficiency gasoline, diesel and hybrid cars from Porsche, Volkswagen and Mercedes-Benz as well as for Japanese and Korean vehicles that specifically call for a SAE 0W-30 viscosity grade and any of the specifications the oil supports.

- Mobil 1 ESP 0W-30 based on Mobil low-ash synthetic technology, meets or exceeds ACEA C3 industry standard to help protect exhaust gas after-treatment systems designed to limit engine emissions. It also meets or exceeds API SP engine test requirements to help address LSPI (Low Speed Pre-Ignition), making it a preferred choice for downsized direct injection turbocharged gasoline engines.
- Mobil 1 ESP 0W-30 is especially suitable for extreme conditions, where conventional oil often may not perform. In particular, it can help cold engine protection and start-up in applications calling for the same specification in the 5W-30 grade.
- Mobil 1 ESP 0W-30 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Owner's manual should be consulted for recommended viscosity grade and specification.

## Specifications and Approvals

<b>This product has the following approvals:</b>
MB-Approval 229.31
MB-Approval 229.51
MB-Approval 229.52
Porsche C30
VW 504 00
VW 507 00

<b>This product is recommended for use in applications requiring:</b>
ACEA C2

<b>This product meets or exceeds the requirements of:</b>
API SL
ACEA C3
API SN Engine Test Requirements
API SN PLUS ENGINE TEST REQUIREMENTS
API SP ENGINE TEST REQUIREMENTS

## Properties and Specifications

<b>Property</b>	
Grade	SAE 0W-30
Ash, Sulfated, mass%, ASTM D874	0.6
Density @ 15.6 C, g/ml, ASTM D4052	0.846
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.5
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	12.2
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	67.8
Mini-Rotary Viscometer, Apparent Viscosity, -40 C, mPa.s, ASTM D4684	26900
Phosphorus, mass%, ASTM D4951	0.08
Total Base Number, mgKOH/g, ASTM D2896	6.3

**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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07-2022

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