



## Mobil 1™ ESP 0W-30

Mobil Passenger Vehicle Lube , Luxembourg

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 is recommended for many 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 0W-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

| This product has the following approvals: |
|---|
| MB-Approval 229.31                        |
| MB-Approval 229.51                        |
| MB-Approval 229.52                        |

**This product has the following approvals:**

Porsche C30

VW 504 00

VW 507 00

**This product meets or exceeds the requirements of:**

API SL

ACEA C3

API SN Engine Test Requirements

API SN PLUS ENGINE TEST REQUIREMENTS

API SP ENGINE TEST REQUIREMENTS

**Properties and Specifications**

| Property  |           |
|---|-----------|
| 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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POLDERDIJKWEG

B-2030 Antwerpen

Belgium

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

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