



**Mobil 1™ ESP 0W-30**  
Mobil Passenger Vehicle Lube , Kazakhstan  
Advanced Full Synthetic Engine 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) and Gasoline Catalytic Converters (CAT's). Mobil 1™ ESP 0W-30 has been designed to help deliver outstanding performance and protection in conjunction with potent 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 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 oil 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 during 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> |
| Recommended by ExxonMobil for applications requiring 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

| Property                                      |           |
|-----------------------------------------------|-----------|
| Grade                                         | SAE 0W-30 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445  | 64.8      |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 12.2      |
| Density @ 15.6 C, g/ml, ASTM D4052            | 0.846     |
| Pour Point, °C, ASTM D97                      | -51       |
| Flash Point, °C, ASTM D92                     | 230       |

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.as>  
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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 properties are typical.

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