



Mobil 1™ ESP 5W-30

Mobil Passenger Vehicle Lube , Thailand

Advanced Full Synthetic Engine Oil

Product Description

Mobil 1™ ESP 5W-30 is advanced full synthetic motor oil has been expertly engineered to help prolong the life and maintain the efficiency of emission systems in both diesel and gasoline-powered automobiles.

It meets or exceeds the requirements of many leading industry and car manufacturers' standards required for newer modern passenger car engines, including Volkswagen, Mercedes-Benz and General Motors approvals, as well as Japanese and Korean vehicles that specifically call for a SAE 5W-30 viscosity grade and any of the specifications the oil supports.

Features and Benefits

Mobil 1™ ESP 5W-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).

Mobil 1™ ESP 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 oxidative stability | Helps to reduce oil aging allowing extended drain interval protection |
| Low oil consumption formulation | Less hydrocarbon pollution |
| Enhanced frictional properties | Aids fuel economy |
| Excellent low temperature capabilities | Quick cold weather starting and fast protection to help extend engine life |

Applications

Recommended for all types of modern automobile engines found in the latest passenger cars, SUVs and light vans.

- Mobil 1™ ESP 5W-30 is a low ash content (ACEA C3 mid SAPS) engine oil to help protect exhaust gas after-treatment systems designed to limit engine emissions.
- Mobil 1™ ESP 5W-30 is especially suitable for extreme conditions, where conventional oil often may not perform.
- Mobil 1™ ESP 5W-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.

- Mobil 1™ ESP 5W-30 is also suitable for hybrid engines that require API SP, ACEA C3 specifications.

Specifications and Approvals

| This product has the following approvals: |
|---|
| Porsche C30 |
| BMW Longlife 04 |
| MB-Approval 229.31 |
| MB-Approval 229.51 |
| MB-Approval 229.52 |
| VW 504 00 |
| VW 507 00 |
| OV 040 1547 – D30 |
| OV 040 1547 – G30 |

| This product is recommended for use in applications requiring: |
|--|
| Recommended by ExxonMobil for applications requiring ACEA C2 |
| FIAT 9.55535-S3 |

| This product meets or exceeds the requirements of: |
|--|
| API SP |
| API SN PLUS |
| API SN |
| ACEA C3 |

Properties and Specifications

| Property | |
|--|-----------|
| Grade | SAE 5W-30 |
| Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684 | 23200 |
| Viscosity Index, ASTM D2270 | 175 |
| Density @ 15.6 C, g/ml, ASTM D4052 | 0.852 |

| Property | |
|---|------|
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 11.9 |
| Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683 | 3.5 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 67 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 234 |
| Ash, Sulfated, mass%, ASTM D874 | 0.8 |
| Total Base Number, mgKOH/g, ASTM D2896 | 8.4 |
| Pour Point, °C, ASTM D97 | -42 |

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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