



## Mobil 1 ESP X2 0W20

Mobil Passenger-Vehicle-Lube , Sweden

ADVANCED FUEL ECONOMY, SHC SYNTHESIS TECHNOLOGY ENGINE OIL

### Product Description

Mobil 1™ ESP x2 0W-20 is an SHC Synthese Technology engine oil specifically designed to provide outstanding engine cleanliness, wear protection, strong durability and advanced fuel economy\* to keep your engine running like new. Mobil 1 ESP x2 0W-20 is our latest technology combining durability and protection with a low viscosity, low friction engine oil that was designed in cooperation with key European Original Equipment Manufacturers (OEMs). Mobil 1 ESP x2 0W-20 has been expertly engineered to help prolong the life and maintain the efficiency of emission systems in new emerging diesel and gasoline powered European vehicles that require SAE 0W-20 viscosity grades.

\* compared vs Mobil 1 ESP Formula 5W-30.

### Features and Benefits

| Features   | Advantages and Potential Benefits   |
|--|---|
| Active cleaning agents                                       | Helps to prevent the buildup of harmful deposits to enable long and clean engine life**<br>Provides outstanding engine cleanliness and sludge control   |
|  | **Compared to vehicle manufacturer standard   |
| Outstanding thermal and oxidation stability                  | Helps to reduce oil aging allowing extended drain interval protection   |
| Enhanced frictional properties                               | Provides up to 4% fuel economy improvement versus Mobil 1 ESP Formula 5W-30***  |
|  | ***Savings would be based on switching from a higher viscosity motor oil, similar to Mobil 1 ESP Formula 5W-30, to a 0W-20 viscosity grade. Actual savings are dependent upon vehicle and engine type, outside temperature and barometric pressure, driving conditions and your current engine oil viscosity. |
| Excellent low temperature capabilities                       | Quick cold weather performance to help provide fast protection at start-up  |
| Outstanding high temperature capabilities<br>Wear protection | Provided outstanding high temperature protection over the entire oil drain interval**   |
|  | **Compared to vehicle manufacturer standard   |
| Wear protection  | Provides outstanding wear protection over the full oil drain interval**   |
|  | **Compared to vehicle manufacturer standard   |

### Applications

Mobil 1 ESP x2 0W-20 is recommended for the new high-performance gasoline and diesel engines found in emerging European vehicles that require SAE 0W-20 viscosity grades.

- Mobil 1 ESP x2 0W-20 can only be used in the vehicles for which it is approved. It is not backward compatible with older vehicle engines.
- Mobil 1 ESP x2 0W-20 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

\*\*\*\* Always consult the owner's manual of the vehicle for the manufacturer's recommended viscosity grade and specifications

### Specifications and Approvals

| <b>This product has the following approvals:</b> |
|--|
| MB-Approval 229.71                               |
| Porsche C20                                      |
| VW 508 00  |
| VW 509 00  |
| STJLR.51.5122                                    |
| STJLR.03.5006                                    |
| GM dexosD Licensed                               |

| <b>This product meets or exceeds the requirements of:</b> |
|---|
| API SN Engine Test Requirements                           |
| API SL  |
| ACEA C5   |

### Properties and Specifications

| <b>Property</b>  |           |
|--|-----------|
| Grade  | SAE 0W-20 |
| Ash, Sulfated, mass%, ASTM D874                            | 0.8       |
| Density @ 15.6 C, g/cm <sup>3</sup> , ASTM D4052           | 0.843     |
| Flash Point, Cleveland Open Cup, °C, ASTM D92              | 235       |
| Hi-Temp Hi-Shear Viscosity @ 150 C, mPa.s, ASTM D4683      | 2.6       |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 7.8       |
| Pour Point, °C, ASTM D97                                   | -51       |
| Viscosity Index, ASTM D2270                                | 175       |

**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](http://www.exxonmobil.com)

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