



## Mobil 1™ ESP x2 0W-20

Mobil Passenger Vehicle Lube , Morocco

ADVANCED FUEL ECONOMY, SHC SYNTHESIS TECHNOLOGY ENGINE OIL

### Product Description

Mobil 1™ ESP x2 0W-20 is an advanced fully synthetic 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 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><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 when changing from a higher viscosity 5W-30 engine oil***   |
|   | ***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   | 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, diesel and hybrid 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

#### This product has the following approvals:

GM dexosD Licensed

MB-Approval 229.71

Porsche C20

VW 508 00

VW 509 00

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

API SL

ACEA C5

ACEA C6

API SN Engine Test Requirements

API SP ENGINE TEST REQUIREMENTS

### Properties and Specifications

| Property   |           |
|--|-----------|
| Grade  | SAE 0W-20 |
| Viscosity Index, ASTM D2270                                | 180       |
| Density, 15.6C, g/cm <sup>3</sup> , ASTM D4052             | 0.842     |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 8.0       |
| Hi-Temp Hi-Shear Viscosity @ 150 C, mPa.s, ASTM D4683      | 2.6       |
| Ash, Sulfated, mass%, ASTM D874                            | 0.8       |
| Flash Point, Cleveland Open Cup, °C, ASTM D92              | 230       |
| Pour Point, °C, ASTM D97                                   | -60       |

### 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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