



## Mobil 1™ ESP x2 0W-20

Mobil Passenger Vehicle Lube, Denmark

Advanced Fuel Economy, Advanced Full Synthetic Engine Oil

### Product Description

Mobil 1™ ESP x2 0W-20 is an advanced full 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 Formula 5W-30.

### Features and Potential Benefits

Mobil 1 ESP x2 0W-20 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 x2 0W-20 has been designed to help deliver outstanding performance and protection in conjunction with advanced fuel economy benefits. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Active cleaning agents	Helps to prevent the buildup of harmful deposits to enable long and clean engine life** Provides outstanding engine cleanliness and sludge control
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***

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**
Wear protection	Provides outstanding wear protection over the full oil drain interval**

\*\*Compared to vehicle manufacturer standard

\*\*\*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.

### 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>Mobil 1 ESP x2 0W-20 has the following OEM approvals:</b>	
Volkswagen (Gasoline / Diesel)	508 00 / 509 00
Porsche	C20
MB-Approval	229.71
Jaguar Land Rover	STJLR.51.5122

<b>Mobil 1 ESP x2 0W-20 meets or exceeds the requirements of:</b>	
ACEA	A1 / B1
API	SN (Meets Engine Test Requirements)
API	SL

### Typical Properties

<b>Mobil 1 ESP x2 0W-20</b>	
<b>SAE Grade</b>	<b>0W-20</b>
<b>Viscosity, cSt (ASTM D445)</b>	
<b>@ 100°C</b>	<b>7.8</b>
<b>Viscosity Index</b>	<b>175</b>
<b>Sulphated Ash, wt% (ASTM D874)</b>	<b>0.8</b>
<b>HTHS Viscosity, mPa·s @ 150 °C (ASTM D4683)</b>	<b>2.6</b>
<b>Pour Point, °C (ASTM D97)</b>	<b>-51</b>
<b>Flash Point, °C (ASTM D92)</b>	<b>235</b>
<b>Density @ 15.6 °C, g/ml (ASTM D4052)</b>	<b>0.843</b>

### Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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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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