



## Mobil 1™ ESP X2 0W-20

Mobil Passenger Vehicle Lube , Japan

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 Benefits

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	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	Provided outstanding high temperature protection over the entire oil drain interval**
Wear protection	
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, or China 6 vehicles that has GPF (gasoline particulate filter) / DPF (diesel particulate filter)

- 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

Porsche C20

MB-Approval 229.71

VW 508 00

VW 509 00

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

API SL

ACEA C5

API SN Engine Test Requirements

API SN PLUS ENGINE TEST REQUIREMENTS

API SP ENGINE TEST REQUIREMENTS

### Properties and Specifications

Property	
Grade	SAE 0W-20
Ash, Sulfated, mass%, ASTM D874	0.8
Mini-Rotary Viscometer, Apparent Viscosity, -40 C, mPa.s, ASTM D4684	10000
Viscosity Index, ASTM D2270	175
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	7.9
Density @ 15.6 C, g/cm <sup>3</sup> , ASTM D4052	0.842
Pour Point, °C, ASTM D97	-51
Total Base Number, mgKOH/g, ASTM D2896	8.4
Flash Point, Cleveland Open Cup, °C, ASTM D92	235
Hi-Temp Hi-Shear Viscosity @ 150 C, mPa.s, ASTM D4683	2.6

### 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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