



## Mobil 1™ ESP x2 0W-20

Mobil Passenger Vehicle Lube , Kuwait

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** 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 Wear protection	Provides 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>
GM dexosD Licensed
MB-Approval 229.71
Porsche C20
VW 508 00
VW 509 00

<b>This product meets or exceeds the requirements of:</b>
API SL
ACEA C5
API SN Engine Test Requirements
API SN PLUS ENGINE TEST REQUIREMENTS
API SP ENGINE TEST REQUIREMENTS

### 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>

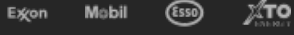
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