



## Mobil 1™ FS X2 5W-50

Mobil Passenger Vehicle Lube , United States

Advanced Full Synthetic Motor Oil

### Product Description

Mobil™ 1 FS X2 5W-50 is an advanced full synthetic motor oil designed to deliver excellent all-round protection. Mobil 1 FS X2 5W-50 keeps your engine running like new and protects for 10,000 miles\*. This race-proven technology is suited for extreme driving conditions and motorsport applications.

Racing or normal driving, Mobil 1™ FS X2 5W-50 helps to provide heavy-duty engine performance and protection for an outstanding driving experience.

\*Protects for up to 10,000 miles or 1 year, whichever comes first. To learn more about the Mobil 1 Limited Warranty, visit Mobil.US.

### Features and Benefits

Mobil 1™ FS X2 5W-50 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system. Mobil 1 FS X2 5W-50's wide viscosity grade helps to provide a flexible combination of powerful protection agents that provide outstanding performance in many driving situations.

Key features and potential benefits include:

- Prevents deposits and sludge build-up to enable long and clean engine life.
- Anti-oxidants to help improve oil life.
- Wide viscosity grade to help provide a flexible combination of high and low temperature protection.
- Performs and protects at low temperatures.

### Applications

Mobil 1™ FS x2 5W-40 is recommended by ExxonMobil for all types of vehicles, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks.

- Mobil 1™ FS X2 5W-50 is engineered for many gasoline and diesel (without DPFs) engine technologies
- Mobil 1™ FS X2 5W-50 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Always check your owner's manual for the manufacturer's recommended oil viscosity grade and specifications for your particular vehicle.

### Specifications and Approvals

<b>This product has the following approvals:</b>
MB-Approval 229.1
MB-Approval 229.3

<b>This product is recommended for use in applications requiring:</b>
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**This product is recommended for use in applications requiring:**

API CF

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

Porsche A40

API SJ

API SL

API SM

API SN

ACEA A3/B3

ACEA A3/B4

**Properties and Specifications**

Property	
Grade	SAE 5W-50
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	17.1
Pour Point, °C, ASTM D97	-42
Total Base Number, mgKOH/g, ASTM D2896	12.6
Density @ 15 C, g/cm <sup>3</sup> , ASTM D4052	0.85
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	104.3
Ash, Sulfated, mass%, ASTM D874	1.34
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10 <sup>6</sup> sec <sup>-1</sup> , mPa.s, ASTM D4683	4.4
Flash Point, Cleveland Open Cup, °C, ASTM D92	232
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	24800
Viscosity Index, ASTM D2270	179

**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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