



Mobil 1™ ESP X1 0W-30

Mobil passenger-vehicle-lube , United States

Advanced Synthetic Motor Oil

Product Description

Mobil 1™ ESP X1 0W-30 is an advanced synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 ESP X1 0W-30 has been expertly engineered to help prolong the life and maintain the efficiency of emission systems in both diesel and gasoline powered automobiles. Mobil 1 ESP X1 0W-30 meets or exceeds the requirements of many leading industry and car manufacturers' standards required for newer modern diesel and gasoline powered passenger car engines.

Features and Benefits

Mobil 1 ESP X1 0W-30 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 X1 0W-30 has been designed to help deliver outstanding performance and protection in conjunction with potential fuel economy benefits. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Low Ash Content	Helps to reduce particulate build up in Diesel Particulate Filters
Low Sulfur and Phosphorous content	Helps to reduce poisoning of Gasoline Catalytic Converters
Active cleaning agents	Helps to reduce deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Helps to reduce oil aging allowing extended drain interval protection
Low oil consumption	Less hydrocarbon pollution
Enhanced frictional properties	Potentially aids fuel economy
Excellent low temperature capabilities	Quick cold weather starting and ultra-fast protection Helps to extend engine life

Applications

Mobil 1 ESP X1 0W-30 is recommended for many types of modern automobile engines, especially the high-performance gasoline and diesel engines found in the latest passenger cars, SUVs and light vans.

Mobil 1 ESP X1 0W-30 is especially suitable for extreme conditions, where conventional oil often may not perform. It is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Specifications and Approvals

This product has the following approvals:
MB-Approval 229.31
MB-Approval 229.51
MB-Approval 229.52

VW 504 00

VW 507 00

This product meets or exceeds the requirements of:

ACEA C2

ACEA C3

Properties and Specifications

Property	
Ash, Sulfated, mass%, ASTM D874	0.8
Density @ 15 C, g/cm ³ , ASTM D4052	0.847
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10 ⁽⁶⁾ sec ⁽⁻¹⁾ , mPa.s, ASTM D4683	3.5
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	12
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	65
Mini-Rotary Viscometer, Apparent Viscosity, -30 C, mPa.s, ASTM D4684	24800
Phosphorus, mass%, ASTM D4951	0.08
Total Base Number, mgKOH/g, ASTM D2896	7.6
Viscosity Index, ASTM D2270	180

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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