Mobil

Mobil 1™ ESP Formula M 5W-40

Mobil Passenger Vehicle Lube , United States

Advanced Performance Synthetic Engine Oil

Product Description

Mobil 1™ ESP Formula M 5W-40 is an advanced performance synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 ESP Formula M 5W-40 is engineered to help prolong the life and maintain the efficiency of emission systems in both diesel and gasoline powered automobiles that require an oil that is approved against MB 229.51 specification.

Features and Benefits

Mobil 1 ESP Formula M 5W-40 is made with a proprietary blend of high performance components formulated to be fully compatible with the latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters. Mobil 1 ESP Formula M 5W-40 has been designed to help deliver outstanding overall performance and protection. 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 Sulphur 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
Excellent low temperature capabilities	Quick cold weather starting and ultra fast protection. Also helps extend engine and electrical system life.

Applications

Mobil 1 ESP Formula M 5W-40 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

Properties and Specifications

Property	
Grade	SAE 5W-40
Ash, Sulfated, mass%, ASTM D874	0.6

Property	
Density @ 15.6 C, g/ml, ASTM D4052	0.85
Flash Point, Cleveland Open Cup, °C, ASTM D92	236
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.8
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.4
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	81
Pour Point, °C, ASTM D97	-39
Viscosity Index, ASTM D2270	167

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
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