Mobil 1 Formula™ M 5W-40

Mobil Passenger Vehicle Lube , United States

Advanced Full Synthetic Motor Oil

Product Description

Mobil 1™ Formula M 5W-40 is an advanced full synthetic motor oil designed to help provide exceptional cleaning power, wear protection and outstanding overall performance. Mobil 1 Formula M 5W-40 is engineered to help prolong the life of both diesel and gasoline powered automobiles that require an oil that is approved against Mercedes Benz MB-229.5 specification.

Features and Benefits

Mobil 1™ Formula M 5W-40 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system. Mobil 1 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
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 and less necessity to top-up
Excellent low temperature capabilities	Quick cold weather starting and fast protection. Also helps to extend engine life
High Viscosity Index	Excellent overall lubrication and wear protection performance for many driving styles and conditions, from mild to severe

Applications

Mobil 1™ Formula M 5W-40 is approved against Mercedes Benz MB-229.3 and 229.5

• Mobil 1™ Formula 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 builder approvals:
MB-Approval 229.3
MB-Approval 229.5

Properties and Specifications

Property	

Property	
Grade	SAE 5W-40
Ash, Sulfated, mass%, ASTM D874	0.9
Density @ 15 C, g/cm3, ASTM D4052	0.85
Density @ 15.6 C, g/ml, ASTM D4052	0.85
Flash Point, Cleveland Open Cup, °C, ASTM D92	228
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.7
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.2
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	79
Mini-Rotary Viscometer, Yield Stress, -35 C, Pa, ASTM D4684	25981
Total Base Number, mgKOH/g, ASTM D2896	8
Viscosity Index, ASTM D2270	168

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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