

Mobil 1 5W-50

Most Advanced Performance Synthetic Engine Oil

Product Description

Mobil 1 5W-50 is the most advanced performance synthetic engine oil designed to provide ultimate wear protection for a smooth driving experience every time. Mobil 1 5W-50, Rally Formula, exceeds the requirements of the industry and car manufacturers' standards required for high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines. Mobil 1 5W-50 is especially suited for high speed and severe service associated with stop and go driving. Racing or normal driving, Mobil 1 5W-50, Rally Formula, provides heavy-duty engine performance and protection for an outstanding driving experience.

Features and Benefits

Mobil 1 5W-50 is made with a patented proprietary blend of ultra high performance synthetic basestocks fortified with Supersyn Antiwear Technology, the most advanced additive system available today. Mobil 1 5W-50's wide viscosity grade together with patented Supersyn Antiwear technology provides a flexible combination of powerful protection agents to outperform in many driving situations. This oil, not only exceeds the toughest industry performance standards, it is approved by several major car manufacturers for service fill use. Cars using Mobil 1 5W-50 will perform flawlessly, no matter what the driving conditions, situation or age. Key features and benefits include:

Features	Advantages and Potential Benefits
Active cleaning agents	Actively prevents deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Reduces oil aging allowing extended drain interval protection
Lowest oil consumption	Less hydrocarbon pollution and oil make up due to evaporation
Race Proven Technology	Performance reserve in the most extreme driving situations
High Viscosity Index and Supersyn Antiwear Technology	Excellent overall lubrication and wear protection performance for all driving styles and conditions

Applications

Mobil 1 5W-50 is recommended for all types of vehicles, suitable for use in high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines found in passenger cars, light vans and trucks.

- Mobil 1 5W-50 is suitable for all types of severe driving applications, especially demanding conditions including high speed highway and stop and go city driving.
- Mobil 1 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.



Specifications and Approvals

Mobil 1 5W-50 meets or exceeds the following industry specifications:	5W-50
API SM/SL/SJ/CF	X
ACEA A3/B3	X
A3/B4	X

Mobil 1 5W-50 has the following builder approvals:	5W-50
VW 505 00	X
PORSCHE A40	X
MB-Approval 229.3	X
MB-Approval 229.1	X
BMW High Performance Diesel Oil	X

Typical Properties

Mobil 1 5W-50	Value
Viscosity, ASTM D 445	
cSt @ 40° C	104.6
cSt @ 100° C	17.4
Sulfated Ash, wt%, ASTM D 874	1.3
Phosphorous	0.1
Flash Point, °C, ASTM D 92	228
Density @ 15° C kg/l, ASTM D 4052	0.86
Total Base Number (TBN)	11.8
MRV at -35°C	27653
Viscosity Index	184
HTHS Viscosity, mPa*s @ 150°C, ASTM D 4683	4.3

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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