

# Mobil 1 5W-50

**Our Most Advanced Performance Synthetic Engine Oil**

## Product Description

Mobil 1 5W-50 is our most advanced performance synthetic engine oil designed to provide ultimate wear protection for a smooth driving experience every time. Mobil 1 5W-50, Performance Driving 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 uses winning race proven technology. It is especially suited for high-speed highway, towing, and other severe service situation. Mobil 1 5W-50, Performance Driving Formula, provides extra engine oil performance and protection for the winning edge. Mobil oils are the official oils of NASCAR.

## Features and Expected Benefits

Mobil 1 5W-50 is made with a patented proprietary blend of high performance synthetic basestocks fortified with Supersyn Antiwear Technology, our most advanced additive system available today. Mobil 1 5W-50 heavier viscosity together with patented Supersyn Antiwear technology provides excellent dynamic lubricant protection. This feature is supported, not only by exceeding the toughest industry performance standards, it is proven in grueling racing applications. Key features and expected benefits include:

Features	Expected Advantages and Benefits
Active cleaning agents	Actively controls 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
Controls 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 light-duty 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 extreme engine stress conditions, where conventional oil often can't perform.
- 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:

ACEA	A3,B3,B4
API	SM,SL,CF

Mobil 1 5W-50 has the following builder approvals:

VW	505.00
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## Typical Properties

Mobil 1 15W-50	
SAE Grade	5W-50
Viscosity, ASTM D 445	
cSt @ 40°C	105
cSt @ 100°C	17.3
Viscosity Index, ASTM D 2270	153
Sulfated Ash, wt%, ASTM D 874	1.2
HTHS Viscosity, mPa-s @ 150°C ASTM D 4683	4.22
Pour Point, °C, ASTM D 97	-51
Flash Point, °C, ASTM D 92	236
Density @15 °C kg/l, ASTM D 4052	0.859

## Precautions

MOBIL 1 5W-50 is manufactured from high quality synthetic base oil, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Special care is also recommended in handling used motor oils. A Service Data Sheet entitled "Safe Handling of Used Motor Oils" is available on request from your Imperial Oil Representative. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at [www.imperialoil.ca/mobil](http://www.imperialoil.ca/mobil) or by contacting Lubricants and Petroleum Specialties, Technical Services, Technical Help Desk: 1-800-268-3183

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