

# Mobil 1 0W-40

Our most Advanced Performance Synthetic Engine Oil

## Product Description

Mobil 1 0W-40 is our most advanced performance synthetic engine oil designed to provide ultimate cleaning power, wear protection and overall performance. Mobil 1 0W-40, European Car Formula exceeds the requirements of the leading industry and car manufacturers' standards required for newer modern gasoline and diesel powered automobile engines. The Mobil 1 Technology is race proven and the choice of NASCAR racing. Mobil 1 0W-40 is suitable for all types of vehicles anywhere in the world and has the performance reserve to protect when conventional engine oils cannot. It is the first choice at the factory for many of the world's finest performance vehicles: Mercedes-Benz AMG, Porsche, and Aston Martin.

## Features & Expected Benefits

Mobil 1 0W-40 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with Supersyn Technology.. Mobil 1 0W-40 keeps engines starting in Arctic extreme cold and cleans deposits, sludge and varnish often formed in high temperature operating conditions. Exceeding most of the global industry standards and the major leading builder requirements is the cornerstone of the performance reserve that lets Mobil 1 0W-40 keep performing well after conventional oils cannot. Key features and expected benefits include

Features	Expected Advantages and Benefits
Active cleaning agents	Controls deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Reduces oil ageing allowing extended drain interval protection
Optimized frictional properties	Excellent fuel economy
Excellent low temperature capabilities	Quick cold weather starting and fast protection Extended engine and electrical system life

## Applications

Mobil 1 0W-40 is recommended for all types of modern vehicles, especially high-performance turbo-charged, supercharged gasoline multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks. Recommended for diesel multi-valve fuel injected engines requiring ACEA B3/B5 or API CF quality oil.

- Mobil 1 0W-40 is especially suitable for extreme conditions, where conventional oil often cannot perform.
- Mobil 1 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.



## Specifications & Approvals

### Mobil 1 0W-40 meets or exceeds the following industry specifications:

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

### Mobil 1 0W-40 has the following builder approvals:

BMW	LL-01
Daimler Chrysler	229.3/229.5
Opel Long Life Service Fill	GM-LL-A-025
Opel Diesel Service Fill	GM-LL-B-025
Porsche	Approved
Volkswagen	502.00/505.00,503.01

## Typical Properties

### Mobil 1 0W-40

SAE Grade	0W-40
Viscosity, ASTM D 445	
cSt @ 40°C	80
cSt @ 100°C	14.3
Viscosity Index, ASTM D 2270	187
Sulfated Ash, wt%, ASTM D 874	1.2
HTHS Viscosity, mPa-s @ 150°C, ASTM D 4683	3.6
Pour Point, °C, ASTM D 97	-54
Flash Point, °C, ASTM D 92	236
Density @ 15°C kg/l, ASTM D 4052	0.855

## Precautions

MOBIL 1 0W-40 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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