



**MOBIL 1 RACING™ OILS**  
Mobil Passenger Vehicle Lube , United States  
Advanced Full Synthetic Motor Oil

**Product Description**

Mobil 1™ Racing oils are advanced full synthetic motor oils designed specifically for racing engines and are not recommended for street use. These high performance, fully synthetic formulas are specially balanced for friction reduction and optimum horsepower with outstanding wear protection.

**Features and Benefits**

Mobil 1 Racing oils are proprietary formulations of low viscosity synthetic base oils fortified with a precisely balanced component-blended additive system featuring high levels of anti-wear and friction reducing additives. This advanced protection is engineered to help deliver optimum horsepower with outstanding wear protection. Key features and potential benefits include:

- Boosted levels of anti-wear protection -- well beyond those of ordinary automotive oils -- to help protect engines even during grueling racing applications.
- Helps to maximize power output by reducing internal friction.
- Outstanding shear stability and a robust additive package to help reduce oil breakdown and help to extend engine life, even under some of the most extreme conditions.
- Compared to conventional racing oils and higher-viscosity synthetic motor oils, it provides faster flow to critical engine parts at low temperatures.
- Helps to deliver exceptional high-temperature protection, even at temperatures in excess of 400 degrees F (204 C).

**Applications**

Mobil 1 Racing oils are recommended by ExxonMobil for a wide range of race engine applications. Note: Mobil 1 Racing oils are not recommended for street use.

- Mobil 1 Racing oils are recommended by ExxonMobil for a wide range of race engine applications including highly loaded flat tappet designs such as NASCAR Cup engines.
- Mobil 1 Racing oils are designed for use by professional, amateur and weekend racers.
- Mobil 1 Racing oils are not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

**Properties and Specifications**

Property	0W-30	0W-50
Grade	SAE 0W-30	SAE 0W-50
Ash, Sulfated, mass%, ASTM D874	1.2	1.2
Density @ 15 C, g/cm3, ASTM D4052	0.847	0.848
Flash Point, °C, ASTM D92	216	224
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3	3.9
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	10.8	19.5
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	58	110

Property	0W-30	0W-50
Pour Point, °C, ASTM D97	-57	-57
Viscosity Index, ASTM D2270	179	202

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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05-2023

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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](http://www.exxonmobil.com)

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