



## Mobil 1 Racing oils

### High performance motorsport formulas

#### Product Description

Mobil 1 Racing 0W-30 and 0W-50 were developed 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 Potential 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. 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 0W-30 and 0W-50 are recommended for a wide range of race engine applications. Note: Mobil 1 Racing 0W-30 and 0W-50 are not recommended for street use.

- Mobil 1 Racing 0W-30 and 0W-50 are recommended for a wide range of race engine applications including highly loaded flat tappet designs such as NASCAR Cup engines.
- Mobil 1 Racing 0W-30 and 0W-50 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.

#### Typical Properties

Mobil 1 Racing	0W-30	0W-50
SAE Grade	0W-30	0W-50
Viscosity (ASTM D 445)		
cST @ 40 °C	63.5	100
cST @ 100 °C	11.5	17.2
Viscosity Index	178	189
Sulfated Ash, wt% (ASTM D874)	1.3	1.3
HTHS Viscosity, mPa s at 150 °C (ASTM D4683)	3.3	3.8
Pour Point, °C (ASTM D97)	-54	-54

Pour Point, °C (ASTM D97)	-34	-34
Flash Point, °C (ASTM D92)	217	221
Density at 15.6 °C g/ml (ASTM D4052)	0.85	0.85

## 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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Exxon Mobil Corporation  
22777 Springwoods Village Parkway  
Spring TX 77389

1-800-ASK MOBIL (275-6624)

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). ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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