



Mobil 1 Racing
Product Guide

Mobil 1
Racing[™]

Mobil 1 Racing Products Race-Proven by Champions

Mobil 1, the world's leading synthetic motor oil brand, has long been the lubricant of choice for race teams competing in motorsports series across the globe. Its technology is relied on for its ability to deliver exceptional all-round performance and protection under extreme operating conditions.

Mobil 1 Products Available Include:

- Engine Oils
- Gear Oils for Transmission, Transaxle and Rear End Gear Applications
- Automatic Transmission Fluid for Transmissions and Power Steering Systems
- Greases for Wheel Bearings, Tripod Joints, Spline Shafts and Swivel Joints

Mobil 1 Racing oils exploit many core performance attributes found in Mobil 1 oil technology that are directly beneficial to racing engine performance, such as outstanding high temperature wear and deposit protection in turbocharger bearings.

These race-proven products are the result of extensive testing and development in a wide range of race series including:

- NASCAR Sprint Cup Series™
- NASCAR Nationwide Series™
- NASCAR Camping World Truck Series™
- Grand Prix Racing
- Automobile Racing Club of America (ARCA)
- TUDOR United SportsCar Championship™
- Le Mans
- Late Model Modified
- World of Outlaws Sprint Car Series™



Selecting a Racing Oil Key Considerations

Wear Protection: Engine configuration should dictate whether a high zinc oil is needed or not. Select an oil which offers maximum protection.

Temperature Range: Select an engine oil based on the operating race engine temperature for the best engine film thickness to protect your engine.

Protection Against Deposits: Not all race oils offer the detergency and other additive content to protect against deposits. Deposits insulate against the cooling properties of the engine oil and can shorten engine life and lower performance and efficiency.

Viscosity Grade: Select the viscosity grade which best suits the application and provides the best combination of power and protection. A wider viscosity range oil such as a 0W-50 is better suited for all around temperature and race performance.

Mobil 1 Racing Oil Advantages:

- Double the zinc for protection in extreme racing conditions.
- Advanced fully synthetic proprietary base oil technology.
- Protection against high temperatures and deposits.
- Friction reduction to deliver increased horsepower.
- Detergent technology provides excellent engine component cleanliness.
- Offered in two viscosity ranges for a variety of racing applications: Mobil 1 Racing 0W-30 and Mobil 1 Racing 0W-50.

Mobil 1 Racing Oils



Mobil 1 Racing
0W-30

A very low friction racing oil developed for a wide variety of race engines and is recommended and used by builders of engines for NASCAR and ARCA Series.



Mobil 1 Racing
0W-50

Provides maximum protection and durability under higher temperatures. Perfectly suited for short oval track racing to long-duration road racing.



Mobil 1
15W-50

Recommended for many types of modern vehicles, including high-performance turbocharged, supercharged and multi-valve fuel injected engines found in both race and street cars.



Mobil 1
0W-40

Used as the factory fill motor oil in many production road car models and continues to be a winner in IRL, TUDOR United SportsCar Championship, Formula 3 and Porsche Cup Series.



Mobil 1 Racing
0W-50

A higher viscosity grade oil engineered to deliver increased bearing protection when running at higher oil temperatures.



Mobil 1 Synthetic
Gear Lubricant LS
**75W-90
& 75W-140**

Contains a unique proprietary formulation that helps deliver optimized viscosity along with the highest level of formulation stability.



Mobil 1
Synthetic **ATF**

High-performance synthetic hydrocarbon base oils and a superior balanced additive system to provide significantly higher levels of performance above conventional fluids.



Mobil 1
Synthetic Grease

- Excellent overall lubrication and wear protection performance for many driving styles.
- Enhanced frictional properties.
- Outstanding thermal and oxidation stability.
- Protection against deposits.



Mobilith SHC
220, 460, 1500

- Longer life of bearings and chassis lube points.
- Outstanding high temperature and low temperature performance.

Recommended Application Guide*

Engine Oils



Application	Mobil 1 Racing 0W-30	Mobil 1 Racing 0W-50	Mobil 1 5W-30	Mobil 1 0W-40	Mobil 1 15W-50
Circle Track	✓	✓			✓
Drag	✓	✓			✓
Road Racing	✓	✓	✓	✓	✓
Rally			✓	✓	✓
Dirt	✓	✓		✓	✓
Endurance	✓	✓		✓	✓

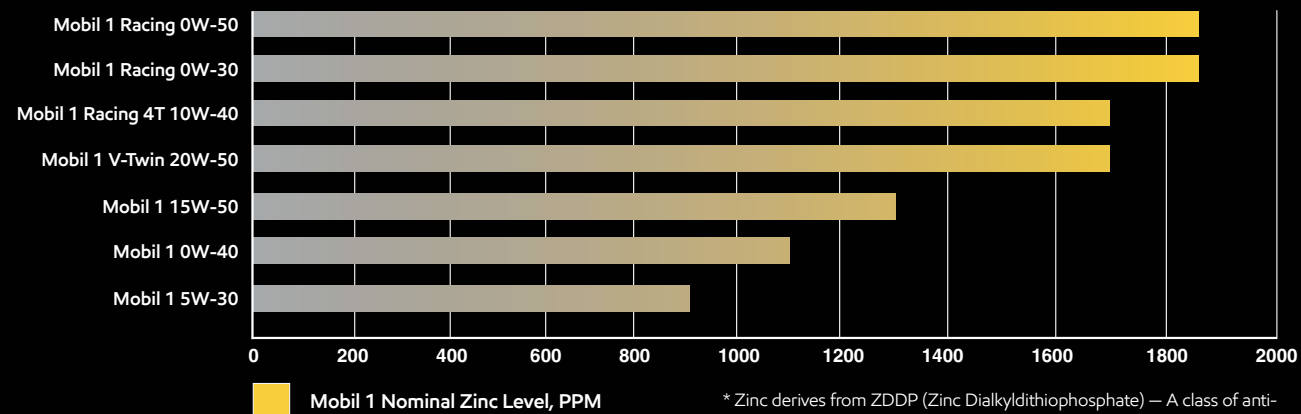
Applications



Application	Mobil 1 Synthetic Gear Lube 75W-90	Mobil 1 Synthetic Gear Lube 75W-140	Mobil 1 Synthetic ATF	Mobil 1 Synthetic Grease	Mobilith SHC 220, 460, 1500
Transaxles	✓				
Rear axles	✓	✓			
Power steering			✓		
Wheel bearings				✓	✓
Suspension points				✓	
Tripod joints					✓
Engine assembly				✓	

*Every type of racing and engine package is different and may require a different product than what is listed on the chart above to deliver maximum performance. As such, all application recommendations should be used only as a guide and do not imply any endorsement for specific engines or types of racing. Please consult your engine builder or engine manufacturer for specific uses.

Mobil 1 Nominal Zinc Level



* Zinc derives from ZDDP (Zinc Dialkylthiophosphate) — A class of anti-wear additives which form surface films that help protect highly loaded engine components such as flat tappets.

What Champions Say



Tony Stewart

Driver/Co-Owner - Stewart-Haas Racing
3-time NASCAR Sprint Cup Series Champion

The technology that we get from Mobil 1 makes the difference. It is so cool to have a partner that not only is painted on the hood of the car but can actually help our racecars go faster.



Jimmy Carr

Race Director, Tony Stewart Racing
Crew Chief, Tony Stewart's No. 14. Winged Sprint Car

We build all of our chassis and engines with one goal in mind - winning a championship. That performance goal is why we only use Mobil 1 Racing oils.



Tim Brown

Driver/Owner - Brown Motorsports Inc
8-time Bowman Gray Track Champion

I'm a vehicle dynamics specialist by trade, but a racer by heart. I know that selecting only the best parts will get me ahead of the next guy, so that's why I choose Mobil 1 Racing oils.



Kevin Pranger

Katech Engines and Development
3-time 24 Hour of Le Mans Winning Engine Lead Developer

With over 30 years in the engine business, Katech has worked with many different oil companies. They all claim their products are special in some way or another. Mobil products are superior in every aspect and they prove themselves on the road and the track. From winning Le Mans to our famous Track Attack Vettes, Mobil products are behind every one of our successes.

Frequently Asked Questions

Q.01 What makes Mobil 1 Racing oil the best choice for my race engine?

Mobil 1 has more than 40 years of experience in formulating lubricants for all types of racing worldwide. Engine builders, racers, and team owners have long relied on the high level of performance and engine protection of Mobil 1 engine oils. The Mobil 1 "track use only" Racing oils are the newest in our pedigree of winning formulations and are designed to help improve engine performance and protect against wear.

Q.02 Can I run the lighter viscosity Mobil 1 Racing 0W-30 oil without sacrificing engine durability?

Lighter viscosity oils can be used depending on specifics such as engine design, engine operating temperatures, and type of racing. Consult your engine builder for advice.

Q.03 Can I use Mobil 1 Racing oil in my street car?

This is not recommended due to the higher levels of additive elements such as Zinc and Phosphorus contained in Mobil 1 Racing oils which can have an adverse effect on the exhaust emission control systems fitted to street cars.

Q.04 Do I need to run break-in oil before using Mobil 1 Racing oils?

No special break-in oil is recommended.

Q.05 Can I use Mobil 1 Racing oils in a turbocharged application?

Yes. Mobil 1 Racing oils are specifically formulated with race-proven technology that helps combat deposit formation in high temperature areas of the engine such as the turbocharger.

Q.06 Do you have a tech line that customers can call if they have a question?

Mobil 1 has a dedicated support line for requests regarding the complete line of Mobil 1 products. Please call us anytime, on or off the track, at 1-800-662-4525.



Mobil 1
Líder Mundial em Lubrificantes Sintéticos para Motor

Mobil 1 atende ou excede a indústria automobilística nos seus lubrificantes com formulação para assegurar:
 - Fórmula avançada 100% sintética, incluindo polímeros
 - Excelente viscosidade em diversas condições de op (43 °C), o que ajuda a manter a capacidade de lubrificar a câmara e formar uma película protetora que reduz o consumo de óleo e evita o motor.
 - Testado e aprovado para:
 - 100% compatível com a tecnologia Mobil 1
 - Chevrolet Corvair
 - Mercedes Benz AMG
 - Porsche
 - Atende ou excede as especificações API SN, SM, SL e ILSAC GF-4
 - ACEA A3/B3, A3/B4
 - Mobil 1 0W-40 contém MB-Approval 229.52
 - VW 502.00/505.00
 - Porsche 440
 - Recomendada pela EA
 - FIAT 555S-M2/M2
 - Opel GM-LL-A-025
 - Opel GM-LL-B-025
 - Verifique o nível do óleo nos Componentes Fluidos (PAO) e exclusivo sistema Prova de validade 5.

Atende ou excede os requisitos de: API SN, SM, SL



SAE 0W-40 MOTOR OIL



Não descartar o óleo no meio ambiente. Este é um produto ambientalmente responsável. Advertências: Evitar o contato com a pele com água e sabão. SINAIS RECOMENDADOS: Consulte as técnicas de Mobil 1 e o site do Exon Mobil Corporation. Produzido em Estados Unidos por Exxon Mobil Oil Chemical Company. J.A. Baptista - CRU 033

Mobil 1
The World's Leading Synthetic Motor Oil

Choose The Best Protection For Your Vehicle

FORMULATIONS THAT HELP:
Extend Engine Life
Provide Advanced Wear Protection
Combat Sledge to Keep Engines Clean
Protect in High Temperatures
Protect during Low Temperature Start-Ups
Control Oil Consumption & Loss
Control during 15,000 Mile Oil Changes - Guaranteed*

LIMITED WARRANTY
 The number of checks indicates relative performance level. *For more information on the Mobil 1 Limited Warranty, visit www.mobil.com

API SERVICE SN
SAE 15W-50
SAE 15W-50 MOTOR OIL



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Mobil 1
Racing

Fully synthetic, race-proven technology and protection for the most demanding track, drag, sprint and road racing.

- Recommended for high speed racing, including highly loaded
- Designed to maximize performance beyond those of ordinary oils
- Exceptional high-temperature protection, even at temperatures up to 500° F (260° C)
- Not recommended for street use.

Tecnologia sintética avançada, desempenho e proteção para as condições mais exigentes das pistas de terra, e das pistas de asfalto e das pistas de rua. Recomendado para aplicações em motores de competição, incluindo pistas de terra, e das pistas de asfalto e das pistas de rua. Recomendado para aplicações em motores de competição, incluindo pistas de terra, e das pistas de asfalto e das pistas de rua. Recomendado para aplicações em motores de competição, incluindo pistas de terra, e das pistas de asfalto e das pistas de rua.

SAE 0W-30 MOTOR OIL



SAE 0W-50 MOTOR OIL



Fully synthetic, race-proven technology engineered to deliver performance and protection for the most demanding race conditions, including dirt track, drag and road racing.

- Recommended for applications where a higher viscosity and thicker oil film are required such as longer duration races where heat build-up may be an issue.
- Recommended for a wide range of race engines including highly loaded flat tappet designs.
- Boosted levels of anti-wear protection (zinc/phosphorus) well beyond those of ordinary automotive oils.
- Exceptional high-temperature protection in high RPM engine operation, even at temperatures up to 500° F (260° C).
- Not recommended for street use.

Totamente sintético, tecnologia probada em pistas de terra, e das pistas de asfalto e das pistas de rua. Recomendado para aplicações em motores de competição, incluindo pistas de terra, e das pistas de asfalto e das pistas de rua. Recomendado para aplicações em motores de competição, incluindo pistas de terra, e das pistas de asfalto e das pistas de rua. Recomendado para aplicações em motores de competição, incluindo pistas de terra, e das pistas de asfalto e das pistas de rua.

Questions or comments about Mobil 1? Call 1-800-ASK-MOBIL or visit us at www.mobil.com. Don't Pollute. Conserve resources. Return used oil to collection centers.



Contains: ORGANOSULFUR COMPLEX
 Warning! May cause sensitization by skin contact. Avoid skin contact. Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. Not intended or suitable for use in or around a household or dwelling. Keep out of reach of children. Continuous contact with used motor oil has caused skin cancer in laboratory animals. In case of contact, wash thoroughly with soap and water.

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