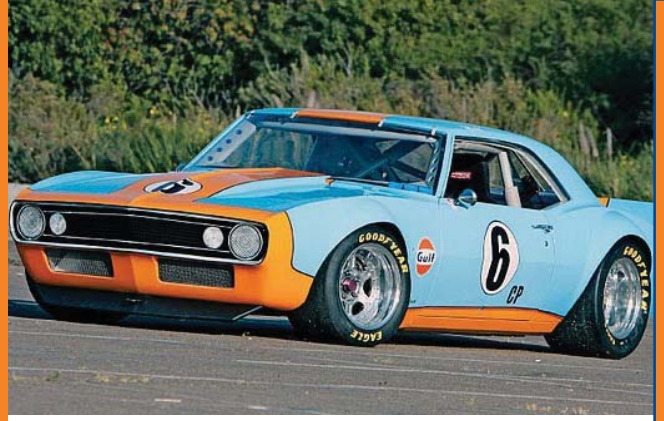

The historic Gulf Racing Fuels brand has evolved to become a 21st Century performance leader that leverages cutting-edge technologies, produces better overall engine efficiency, and offers enhanced horsepower.

Currently the Gulf Racing Fuels line includes:

Gulf Legend products

A rebirth of formulas directly applicable to vintage and historic racing engines; in addition to modern, high-compression powerplants engineered specifically to develop maximum horsepower.

Gulf MACH products

These exclusive products result from the latest advancements in unleaded racing technology, and easily outclass other leaded fuels by delivering superior horsepower, and higher explosive velocity.

Gulf MACH Fuels

The new line of unleaded racing fuels integrate replacement additives that avoid damage to emissions control system components, including oxygen sensors and catalytic converters. MACH Fuels also apply the latest techniques in unleaded technology to increase flame speed while resisting detonation, thereby, extending life-cycles of performance-based race engines.

Gulf Unleaded Fuels Beat Leaded Fuels

Gulf unleaded racing fuels replace leaded fuels in every type of use. We make our fuels with a lead replacement additive that works better than lead. Our unleaded fuels will not harm engines, oxygen sensors or catalytic converters. Switch to Gulf MACH unleaded racing gasoline.

gulfracingfuels.com

Gulf Racing Fuels

12455 Westpark Drive, Suite G6
Houston, TX 77082
info@gulfracing.net 281-447-7200

Return of the Legend

gulfracingfuels.com

Gulf Legend 100LL (low lead)

Typical Properties:	
R+M/2	104
RVP	6.48
Oxygen Vol%	0
Specific Gravity	0.714
Color	Light Blue

For Vintage or Historic Racer

Gulf 100 Low Lead (LL) replaces Gulf brand 100LL aviation fuel. While the original product provided the racer with a high-octane, low price work-around, it was specifically blended to accommodate static power characteristics typical of fixed-pitch, constant-manifold general aviation engines. Consequently, when applied in the racing environment, performance weaknesses sometimes appear, usually driven by concerns associated with reduced throttle response. Now, the racer can feel entirely confident, since the new Gulf 100LL applies cutting-edge technology to resolve the throttle response problem by creating a higher explosive velocity while, at the same time, maintaining appropriate lead levels necessary for older, high-compression engines.

Gulf Legend 116L (leaded)

Typical Properties:	
R+M/2	116
RVP	5.03
Oxygen Vol%	0
Specific Gravity	0.727
Color	Acqua

For High-Octane Dependant Vintage or Historic Racer

Gulf Legend 116 offers high-octane performance, plus additives that create increased explosive velocity, leading to better response throughout a race engine's power-band. The leaded-fuel product is specifically blended for high compression, high-power powerplants; and is further enhanced by the application of pure petrochemical streams that resist oxidation significantly.

MACH Fuels

For race engines that require unleaded fuel; Gulf position's itself as a leader in the global fuels segment; always sensitive to its history, yet driven by cutting-edge technology. This is particularly true of its unleaded MACH Fuel products, since rather than simply integrating volatile compounds and maximizing aromatics, Gulf chooses to develop new additive products that replace lead, reduce detonation, and increase lubricity.

MACH 100

Typical Properties :	
R+M/2	100
RVP	4.0-6.8
Oxygen Vol%	0
Specific Gravity	0.78
Color	Yellow

Gulf makes the MACH 100 for unleaded engines not requiring a high octane race gas. The MACH 100 is made in the same high-quality manner and has excellent detonation resistance. Gulf makes its MACH fuels with an additive package that replaces lead so the fuels act more like a leaded fuel than an unleaded gas. There is no oxygenate in the gasoline – it is ethanol-free. Gulf MACH 100 will not harm oxygen sensors or catalytic converters.
The Gulf MACH 100 meets the minimum octane requirements of Lycoming, Continental and ROTAX for their latest generation of engines.

MACH 105

Typical Properties :	
R+M/2	105
RVP	6.3
Oxygen Vol%	0
Specific Gravity	0.75
Color	Clear

For Street Class Racer

Gulf MACH 105 is marked by a higher explosive velocity producing more effective throttle response and resistance to detonation, while encouraging advanced timing. The product is particularly effective when utilized in conjunction with OEM or turbocharged powerplants. The Gulf product contains no ethanol, and provides better lubricity when compared with leaded fuels. In addition to the performance advantages associated with MACH 105, the product also protects against oxygen sensor and catalytic converter damage.

MACH 110

Typical Properties:	
R+M/2	110
RVP	6.6
Oxygen Vol%	0
Specific Gravity	0.77
Color	Clear

For Racers Who Run High-Compression, High-Power Engines Requiring 93 Octane or Higher

Unleaded, midrange Gulf fuels offer an alternative to typical 110 leaded products. This is particularly true for engines that integrate oxygen sensor components that could be easily damaged by the introduction of leaded fuels. Gulf products are designed specifically to produce increased explosive velocity leading to better throttle response and resist detonation, while avoiding ethanol entirely. These products are a perfect fit for engines running compression ratios of up to 13:1.

MACH 116

Typical Properties:	
R+M/2	116
RVP	8.5
Oxygen Vol%	0
Specific Gravity	0.76
Color	Clear

For Engine Applications that Require 110 – 116 Octane and Compression Ratios of Up to 15:1

Gulf's additive lead replacement performs better than leaded fuels by producing more effective lubricity, while resisting detonation. The product reaches its stoichiometric value between 14.8:1 and 14.9:1 at idle/closed loop; and further, will not damage oxygen sensing systems or catalytic converters, while avoiding ethanol entirely.