



## Product Application Sheet

# 76 SuperStock 114 Racing Gasoline

### 114 OCTANE RACING GASOLINE

*76 SuperStock 114 Racing Gasoline is a very high octane, high quality leaded fuel designed exclusively for racing applications at sanctioned racing events. It has an octane rating (AKI) of 114 and a Motor Octane Number of 110. It is specially formulated for high compression ratio big block and small block racing engines.*

*76 SuperStock 114 Racing Gasoline is recommended for normally aspirated, supercharged, and turbocharged racing engines in automobiles, boats, motorcycles, and other racing applications requiring high octane gasoline. It has been tested in engines with compression ratios up to 16 to 1.*

#### TYPICAL APPLICATIONS

High boost turbocharged gasoline engines.

Gasoline-fueled race vehicles such as:

- Boats
- Drag racing cars
- Motorcycles

**CAUTION: FOR OFF-HIGHWAY USE AT SANCTIONED RACING EVENTS ONLY.**

#### MEETS REQUIREMENTS:

ASTM D4814 Standard Specification for Automotive Spark-Ignition Engine Fuel, Volatility Class A

#### OUTSTANDING FEATURES

- ◆ 114 AKI Octane Number
- ◆ 110 Motor Octane Number
- ◆ Contains no alcohols or oxygenates
- ◆ Low vapor pressure for protection against vapor lock
- ◆ Controlled mid-range volatility for excellent throttle response and acceleration
- ◆ Detergency to keep carburetors clean
- ◆ Resists gum formation
- ◆ Burns cleanly to resist deposit buildup
- ◆ Controlled composition and reproducible quality permits precise engine tuning for maximum performance on the track
- ◆ Oxidation inhibited for longer shelf life<sup>(1)</sup>

<sup>(1)</sup> **Note:** 76 SuperStock 114 Racing Gasoline should be stored in a cool place in metal containers only. It contains components that are sensitive to sunlight. Plastic jugs, especially clear plastic jugs, are not acceptable for storage.

**DESCRIPTION**

76 SuperStock 114 Racing Gasoline is formulated from high octane gasoline blend stocks and selected additives. It is highly resistant to detonation under high speed, high output conditions. Its low vapor pressure quality provides protection against vapor lock. Mid-range volatility is carefully controlled to give excellent throttle response and acceleration. The composition of this fuel is carefully controlled to deliver consistent, reproducible quality, allowing precise engine tuning for maximum performance on the track.

76 SuperStock 114 Racing Gasoline burns cleanly, leaving little or no deposits, allowing maximum engine power. The high quality stocks used in this gasoline make it very stable and resistant to gum formation. This assures cleaner carburetors, intake manifolds, and valves. A detergent additive further helps to keep carburetors clean. An antioxidant promotes stability and longer shelf life. This gasoline does not contain any alcohols or other oxygenates.

**TYPICAL INSPECTION TESTS:**

Product Code .....	00222
Density, g/cm <sup>3</sup> @ 15°C (60°F) .....	0.728
Gravity, °API .....	63
Color .....	Orange
Octane Number, AKI, (R+M)/2 .....	114
Octane Number, Motor .....	110
Octane Number, Research .....	119
Reid Vapor Pressure, psi .....	6.5
Temperature @ V/L = 6, °C (°F) .....	63 (145)
Distillation, °C (°F) @ % Evap.	
Initial Boiling Point .....	30 (86)
10 .....	67 (152)
50 .....	102 (216)
90 .....	108 (226)
End Point .....	135 (275)
Copper Corrosion, ASTM D130 .....	1A
Doctor Test, ASTM D4952 .....	Negative
Existent Gum, ASTM D381, mg/100 ml .....	1.0
Oxidation Stability, ASTM D525, minutes .....	1,440+
Lead, g/gal .....	5.0
Sulfur, wt % .....	0
Viscosity, cSt @ 16°C (60°F) .....	0.7