Product Information Sheet

SUNOCO MaxNOS Racing Gasoline

SUNOCO MaxNOS is a leaded racing gasoline designed for competition engines using nitrous oxide injection systems. It is recently launched as a replacement for the popular Sunoco Supreme NOS. All back to back tests have shown better performance, less prone to detonation and lower qt mile times. It is formulated to achieve a significantly higher specific gravity than other high octane fuel, allowing for maximum fuel flow when used with high volume nitrous oxide systems. The dense nature of this fuel helps guard against lean conditions that can lead to catastrophic engine damage. Due to the high tetraethyl lead (TEL) content, it should not be used in applications utilising oxygen sensors or catalytic converters.

TYPICAL APPLICATIONS

- All sanctioned events allowing leaded racing gasoline. High performance engines, turbo charged vehicles and high revving motorcycles with NOS systems.
- Nitrous oxide injection systems
- Turbocharged cars and motorcycles.
- Performance Motorcycles

MEETS REQUIREMENTS

None

OUTSTANDING FEATURES

- 119 Research Octane Numbers
- 113 Motor Octane Numbers
- Contains lead
- Especially developed for NOS systems
- Extremely fast burning and low FBP (Final Boiling Point)
- Low vapour pressure for protection against vapour lock
- Controlled mid-range volatility for excellent warm-up, acceleration and driveability
- Keeps carburettors and fuel injectors clean
- Resists gum formation
- Burns extremely cleanly to resist deposit build up
- Oxidation and corrosion inhibited for longer shelf life
- Complete conformity and quality allows precise engine tuning.

DESCRIPTION

SUNOCO MaxNOS leaded racing gasoline is formulated from high octane blend stocks and selected additives. It has a substantially increased protection against detonation compared to normal 'pump' fuel under NOS cycles. Its fast burning properties, high octane and dense properties makes the SUNOCO MaxNOS an excellent choice in highly stressed and/or high revving NOS equipped race engines.

The manufacturing process of this fuel is designed to provide a fuel that is 100% repeatable and that will perform the same batch after batch. Every batch is tested to meet SUNOCO's stringent quality control procedures to allow precise engine tuning for maximum performance.

SUNOCO MaxNOS burns extremely cleanly and therefore leaves little or no deposits, allowing maximum engine power for the duration of the engine life. The high quality stocks used in the SUNOCO MaxNOS make the fuel very stable and resistant to gum formation. A multifunctional additive package provides carburettor and fuel injector detergency and minimises the formation of intake valve deposits. Antioxidants and corrosion inhibitors promote stability and longer shelf life.

SUNOCO MaxNOS TYPICAL INSPECTION TESTS

Property	Units	Method	Typical Figure
Density at 15C	kg/litre	ASTM D4052	0.734
Reid Vapour Pressure (RVP)	psi	ASTM D323	5.3
Research Octane	RON	ASTM D2699	119
Motor Octane	MON	ASTM D2700	113
Lead	g/l	ASTM D3237	<1.5
Nitrogen	% m/m	ASTM D3228	Conforms
Peroxides and Nitrooxides	ppm	ASTM D3703	Conforms
Benzene	% volume	ASTM D3606	<1
Sulphur	mg/kg	ISO 8754	<5
Initial Boiling Point	ºC	ASTM D86	40
10% evaporation	ºC	ASTM D86	82
50% evaporation	ºC	ASTM D86	103
90% evaporation	ºC	ASTM D86	108
Final Boiling Point (FBP)	°C	ASTM D86	119
Colour			Yellow