Product Information Sheet

R TF-R5 (Turbo FIA)

The R TF-R5 is an unleaded racing fuel specially designed for turbo engines. It is designed to provide maximum power over a wide rpm range in highly tuned turbo engines. Its specially developed anti-knock ingredients allow maximum advanced timing without pinking. Blended especially for the European market using Sunoco fuel components and additional petrochemicals. R TF-R5 is designed to withstand high cylinder pressures and therefore firmly resistant to detonation. Every batch is extensively tested to ensure maximum quality and complete conformity. The high oxygen content (3.7%) of this fuel provides increased power, especially when used together with air-restrictors.

TYPICAL APPLICATIONS

- All FIA events where gasoline is used as a fuel.
- Designed for turbo vehicles for maximum power.
- All turbo charged racing and rally cars and motorcycles.
- High performance turbo cars and motorcycles.

MEETS REQUIREMENTS

New FIA 252.9 Appendix J

OUTSTANDING FEATURES

- 102 Research Octane Numbers
- 90 Motor Octane Numbers
- Contains no lead additives
- 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 cleanly to resist deposit build up
- Oxidation and corrosion inhibited for longer shelf live
- Complete conformity and quality means possibility to tune the engine precisely for maximum performance

TYPICAL INSPECTION TESTS

Property		Method	Typical Figure
Research Octane		ASTM D2699	102
Motor Octane		ASTM D2700	89
Density at 15°C	Kg/m^3	ISO 12185	0.765
Oxygen content	% (m/m)	EN 13132	3.7
M.T.B.E.	% (v/v)	EN 13132	12
E.T.B.E.	% (v/v)	EN 13132	<0.2
Methanol	% (v/v)	EN 13132	3.0
Ethanol	% (v/v)	EN 13132	<0.2
Iso-Propanol	% (v/v)	EN 13132	<0.2
N-Propanol	% (v/v)	EN 13132	<0.2
Sec-Butanol	% (v/v)	EN 13132	<0.2
T.A.M.E.	% (v/v)	EN 13132	<0.2
Tert-Butanol	% (v/v)	EN 13132	<0.2
Iso-Butanol	% (v/v)	EN 13132	<0.2
1-Butanol	% (v/v)	EN 13132	<0.2
Sulphur Content	% (m/m)	EN ISO 20846	<3.0
Lead	mg/L	EN 237	<2.5
Benzene	% (v/v)	EN 238	<0.1
Aromatics	% (v/v)	EN 15553	33
Olefins	% (v/v)	EN 15553	14.9
Oxidation Stability	min.	ISO 7536	>360
Vapour Pressure (DVPE)	kPa	EN 13016-1	57
I.B.P.	°C	ASTM D86	40.2
5 % v evap. at	°C	ASTM D86	49.9
10% v evap. at	°C	ASTM D86	53.2
20% v evap. at	°C	ASTM D86	66.6
30% v evap. at	°C	ASTM D86	78.9
40% v evap. at	°C	ASTM D86	86.6
50% v evap. at	°C	ASTM D86	93.3
60% v evap. at	°C	ASTM D86	99.4
70% v evap. at	°C	ASTM D86	103.9
80% v evap. at	°C	ASTM D86	106.6
90% v evap. at	°C	ASTM D86	107.9
95% v evap. at	°C	ASTM D86	109.2
F.B.P.	°C	ASTM D86	119.6
Recovery	% (v/v)	ASTM D86	97.5
Residue	% (v/v)	ASTM D86	0.9
Loss	% (v/v)	ASTM D86	1.7
% v evap. at 70°C	% (v/v)	ASTM D86	22.4
% v evap. at 100°C	% (v/v)	ASTM D86	61.2
% v evap. at 150°C	% (v/v)	ASTM D86	100
Manganese	mg/L	ASTM D3831	<0.25
Nitrogen	% (m/m)	ASTM D3228	Conforms
Colour			Light Green