



## Product Information Sheet

# R GTL R Racing Diesel

R GTL R is a high quality 'Gas to Liquid' diesel designed to reduce emissions and consistently provide maximum power. The unique manufacturing process of R GTL R from natural gas results in a diesel that is pure, consistent and clean burning. 100% repeatable means that the engines can be tuned for maximum power. Black smoke will be drastically reduced if not totally.

### TYPICAL APPLICATIONS

- Any motorsport event where diesel is used as a fuel.
- Trucks
- Powerboats
- Modern high performance diesel sports cars

### MEETS REQUIREMENTS

European standard for diesel fuel EN590 and the U.S. standard for diesel oil, ASTM D975

### OUTSTANDING FEATURES

- 51 Cetane Number
- Good viscosity and lubrication
- Keeps fuel injectors clean
- Resists gum formation
- Burns extremely cleanly to resist deposit build up and black smoke
- Oxidation and corrosion inhibited for longer shelf life
- Complete conformity and quality allows precise engine tuning
- Biodegradable



## DESCRIPTION

R GTL R is made from natural gas and as such extremely pure and clean burning containing only traces of sulphur, benzene and aromatics. The amount of visible soot is reduced and the total toxicity of the emissions is decreased considerably. R GTL R is totally biodegradable.

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 R racing fuel's stringent quality control procedures to allow precise engine tuning for maximum performance.

R GTL R burns extremely cleanly and therefore leaves little or no deposits, allowing sustained power for the duration of the engine life.

## R GTL R TYPICAL INSPECTION TESTS

Property	Units	Method	Specification
Flash point	°C	ASTM D93 or EN 22719	Min 70
Water and sediment	% vol	ASTM D2709	Max 0.05
Total contamination	ppm wt/wt	EN12662	Max 24
Distillation, 90% recovered	°C	ASTM D86	Max 338
Distillation, 95% recovered	°C	ASTM D86 or EN ISO 3405:1998	Max 360
Density @15 °C	kg/litre	ASTM D4052	0.800
Cetane Index		ASTM D976 or EN ISO4264	Min 50
Cetane Number		ASTM D613 or EN ISO5165	Min 51
Aromatic Content	% volume	IP 391	Max 0.5
Polyaromatic content	ppm	EPA 1654A	Max 10
Ash Content	% volume	ASTM D482 or ISO 6245	Max 0.01
Benzene	% volume	ASTM D3606	Max 1
Sulphur	ppm w/w	ASTM D5453	Max 4
Cold Filter Plugging Point	°C	IP309 or EN116	Max – 32
Cloud point	°C	ASTM D2500 or EN23015	Max – 22
Typical gross heat of combustion	MJ/kg	ASTM D240	46.0
Typical net heat of combustion	MJ/kg	ASTM D240	43.0
Net volumetric heat of combustion	MJ/litre	ASTM D240 and D4052	Min 33.0
Water content	ppm wt/wt	ASTM D1744 or ISO 3405	Max 200
Oxidation stability	g/m3	ASTM D2274 or EN ISO12205	Max 25
Lubricity	µm, HFRR	ISO 12156-1	Max 400