



# 5055

## Rescue Rx<sup>®</sup> with Xtreme Torque<sup>®</sup> and Ice Check<sup>™</sup>

### DESCRIPTION:

Injector nozzle coking is not the only concern faced by modern high pressure common rail (HPCR) engines. Internal diesel injector deposits (IDID) are causing substandard performing injectors that lead to decreased power, decreased fuel economy, and increased regulated emissions. This coupled with other ailments, which can be present in ultra low sulfur diesel (ULSD) – require the need for a Premium Select<sup>™</sup> premium diesel additive (PDA).

In today's diesel fuel, problems can occur through venting of outside air, temperature changes and accumulation of water from condensation of water vapor in diesel tanks. This is a constant fight. Without the proper additives, water will collect, oversaturate in fuel and accumulate on the bottom of the tank. This provides a sanctuary for corrosion, filter plugging, deterioration of injectors when the fuel is burned, reduced lubricity of fuel, and the potential for fuel filter icing, fuel filter gelling, and fuel filter carboxylates to clog filters. Utilizing Rescue Rx<sup>®</sup> to remove water, dissolve gelled filters, and dissolve and disperse carboxylates in diesel fuel is imperative.

### COMPOSITION:

Rescue Rx<sup>®</sup> No. 5055 contains the following additives:

- IDID Specific Additives
- Lubricity Agents
- Detergents
- Antifouling Agents
- Dispersants
- Rust Inhibitors
- Anti-Icing Agents
- Thermal Stability Rejuvenation Agents
- Stabilizers
- Corrosion Inhibitors
- Anti-Oxidants
- Metal Deactivators
- Asphaltene Dissolution and Dispersion Agents
- Carboxylate Dissolution and Dispersion Agents
- De-Gelling Agents
- Filterability Rejuvenation Agents

### PERFORMANCE CHARACTERISTICS:

**Detergency** – Rescue Rx<sup>®</sup> No. 5055 eliminates and prevents IDID formation and traditional nozzle coking deposits, thus improving/sustaining power, fuel economy, and regulated emissions caused by injector deposits.

**Stability** – Fuel can also be treated with No. 5055 to improve stability of the treated fuel. Thermal stability may be measured by ASTM D6468 Thermal Stability Test as well as other commonly used storage stability tests.

**Cetane** – Rescue Rx<sup>®</sup> No. 5055 improves ignition efficiency, improves cold starts, reduces warm-up time, smoothes engine operation, increases power and fuel economy. No. 5055 is formulated with Xtreme Torque<sup>®</sup> to produce an increase of 2 cetane number or 20 points, in responsive diesel fuels, at its 'regular use' treatment rate.

**Lubricity** – Rescue Rx<sup>®</sup> No. 5055 improves lubricity of diesel fuels in both the HFRR Test and the BOCLE Test, which is a critical factor with ULSD No. 2 and especially with kerosene-blended fuels.

**Rust and Corrosion Protection** – Prevents all types of rust and corrosion in fuel lines, strainers, pumps and injectors.

**Filter Blocking Tendency** - Rescue Rx<sup>®</sup> No. 5055 improves fuel flow through filters, in responsive fuels, as measured by ASTM D2068.

## 5055 Rescue Rx<sup>®</sup> with Xtreme Torque<sup>®</sup> and Ice Check<sup>™</sup>

### USES:

- Quickly Clean/Prevent IDID
- Boost Power
- Clean/Maintain Fuel Spray Pattern
- Prevent Sludge Induced Filter Plugging
- Reduce Combustion Noise
- Dissolve and Disperse Asphaltenes
- Clean Entire Fuel System
- Increase Cetane Number
- Reduce Regulated Emissions and Black Smoke
- Highly Effective in Bio-Diesel
- Rejuvenate Thermally Stressed Fuels
- Reduce Injector System Maintenance
- Extend Engine Life
- Extend Filter Life
- Extend Fuel Storage Life
- Increase/Maintain Fuel Economy
- Dissolves and Disperses Carboxylates
- Improve Cold Starts
- Disperse Moisture
- De-Ice/De-Gel/De-Carboxylate
- Improve Flow Through Filter(s)

### APPLICATIONS:

<b>Usage</b>	<b>Dosage/Directions</b>	<b>Usage Frequency</b>
For Regular/Every Season Use	1 Gal to 500 Gal	Every Fill-Up
For Maintenance Use	1 Gal to 1000 Gal	As Needed
To De-Ice/De-Gel/De-Carboxylate		As Needed

The sulfur content of this diesel fuel additive does not exceed 15 ppm. This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and nonroad engines.

### TYPICAL SPECIFICATIONS:

Appearance	Amber Liquid
Viscosity, mm <sup>2</sup> /sec @ 40° C	2.5
Flash Point, °F min.	142
Density (#/gal)	6.5-7.5
Pour Point, °F max.	-70
Klenz ID <sup>®</sup> Product's HFRR Wear Scar Range	200 µm - 340 µm
Baseline Diesel HFRR Wear Scar	610 µm