

# introducing

## **DIESEL GUARD™ Supreme Common Rail Detergent (CRD)**

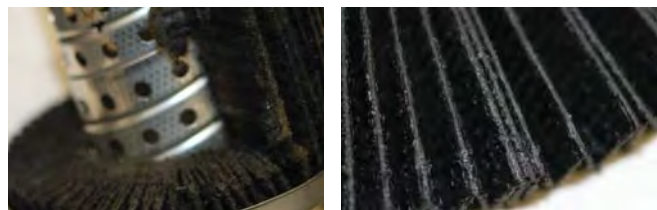
**THE BEST SOLUTION FOR COMMON RAIL DIESEL PROBLEMS**



### **High Pressure Common Rail (HPCR) Diesel Engines Have Injector and Filter Problems**

New HPCR electronic injection engines develop different problems than older mechanical injection engines due to extreme pressure (30,000 psi) and high temperatures (+400°F) that occur in the injectors. These cause the fuel to break down (coke) and create “asphaltene” like material (deposits).

These deposits cause the injectors to “stick” and prematurely plug fuel filters. The results are increased fuel consumption, loss of power, expensive replacement of injectors and vehicle down time.



Photos of Actual Filter Plugging with ULSD Reference Fuel

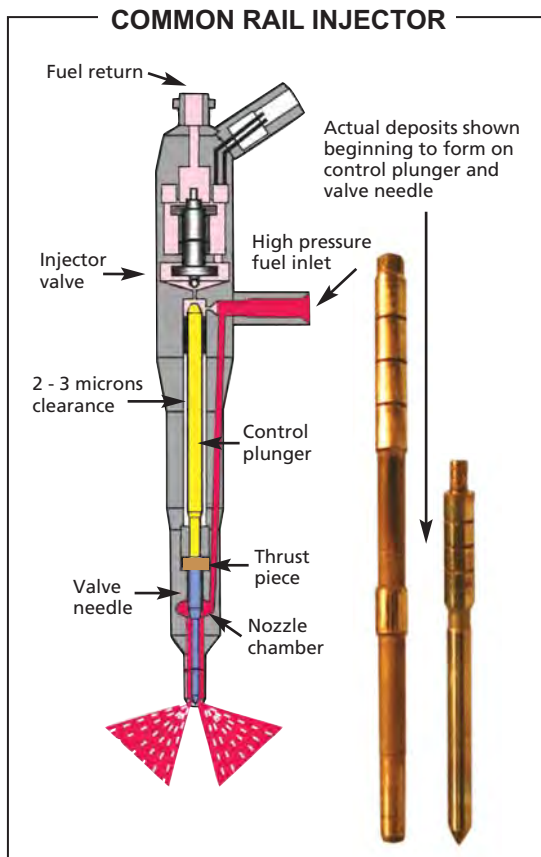
### **The Best Solution to Prevent and Solve HPCR Engine Problems is Diesel Guard™ Supreme CRD**

Diesel Guard™ Supreme CRD is specially formulated to prevent and clean-up internal injector deposits and prematurely plugged fuel filters in high pressure common rail and mechanical engines. It also contains VT 101™ lubricity improver that provides extra lubrication to injectors and fuel pumps.

#### **How Does Diesel Guard™ Supreme CRD Work?**

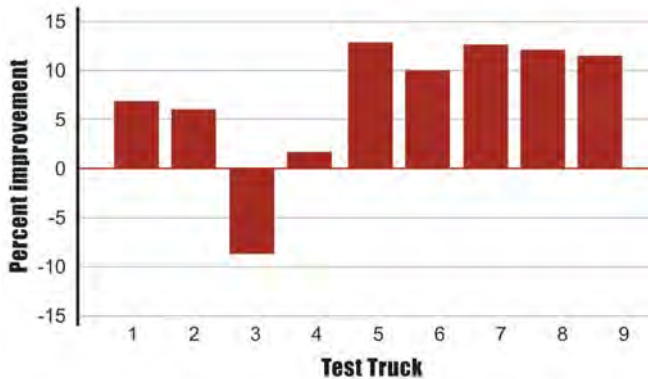
Diesel Guard™ Supreme CRD works by improving the thermal stability of the ULSD fuel. This prevents the oxidation (coking) that causes “asphaltene” like substances that stick to injectors and fuel filters.

Used at a “Maintenance” treat rate, it prevents internal injector and fuel filter deposits. Used at a “Clean-Up” treat rate, it cleans-up existing deposits to help keep the injectors and fuel filters in “like new” condition to restore lost power and fuel economy.



## Diesel Guard™ Supreme CRD Restores Lost Fuel Economy up to 7.3%

By cleaning-up existing injector and fuel filter deposits, Diesel Guard™ Supreme CRD has been test proven to restore fuel economy up to 7.3% and reduce fuel filter plugging by up to 50%. This savings pays for the additive!



## Diesel Guard™ Supreme CRD Provides the Following Benefits

- Improves Thermal Stability of the Fuel
- Cleans-up/Prevents “Asphaltene” like Material
- Cleans-up Existing Injector Deposits
- Keeps Injectors and Fuel Filters Clean
- Lubricates Injectors and Fuel Pumps
- Prevents “Sticky” Injectors
- Restores Lost Power and Fuel Economy
- Meets/Exceeds DW10 and XUD9 Performance



## Recommended Use and Treat Rates

Diesel Guard™ Supreme CRD is recommended to be used at the following treat rates to either prevent (maintenance dose) or resolve (clean-up) HPCR problems.

### DIESEL GUARD™ SUPREME CRD TREAT RATES

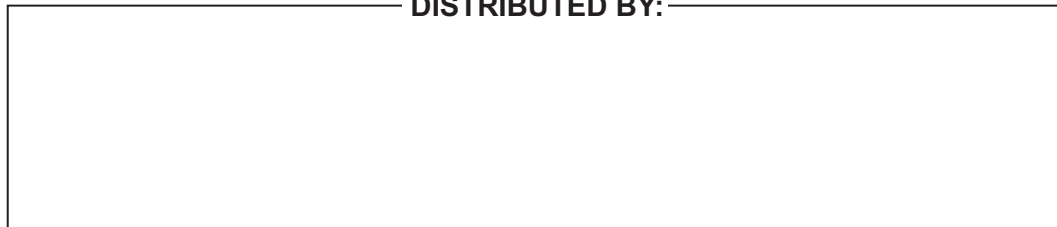
TREATMENT	55 Gal. Drum	2.5 Gal. Container	32 oz. Container
Clean-Up	1:1500	1:1500	1:125*
Maintenance	1:3000	1:3000	1:250*

\*Treat rate for full 32 oz. container.

**Maximize Fuel Economy, Prevent Downtime, Reduce Maintenance Expenses...**

*“Use Diesel Guard™ Supreme Common Rail Diesel Additive!”*

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