

# CLEAR-DIESEL® FUEL & TANK CLEANER

TECHNICAL BULLETIN 9200



*Clear-Diesel® Fuel & Tank Cleaner* is an advanced diesel fuel and tank cleaning technology. This Fuel Polishing Formula removes water and slime, disperses fuel contaminants and stabilizes fuel during long-term storage.

## Benefits

Disperses diesel fuel contaminants

Removes water and slime

**+Petrofresh®** provides maximum long-term storage stability – keeps fuel fresh

Prevents premature fuel-filter plugging

Protects against fuel tank corrosion

Effective in conjunction with **Bio Kleen® Diesel Fuel Biocide** to remove residual water and contaminants during microbial contamination clean-ups

Effective in all diesel fuels, including Ultra Low Sulfur Diesel (ULSD), biodiesel and biodiesel blends

## Advanced Cleaning Technology

Power Service® **Clear-Diesel Fuel & Tank Cleaner** is an advanced fuel tank cleaning technology that has been proven effective in hundreds of fleet, marine, construction and agricultural applications. **Clear-Diesel** can be used as a vital part of any preventive maintenance program or for immediate clean-up of equipment or fuel storage tanks.

## Provides Long-Term Fuel Stability

Diesel fuel deteriorates when stored for more than 90 days. **+PetroFresh** keeps fuel residues dispersed and diesel fuel fresh when stored up to 12 months. Fuel tanks stay cleaner and fuel-filters last longer with **Clear-Diesel Fuel & Tank Cleaner**.

## DIRECTIONS FOR USING CLEAR-DIESEL FUEL & TANK CLEANER

### To clean fuel tanks and prevent premature fuel-filter plugging:

1. Pump or drain excess water and fuel contaminants from the bottom of fuel tank until diesel fuel appears. If your fuel tank does not have a bottom drain, see suggested pump-out procedure outlined on the back of this bulletin.
2. Determine the total capacity in gallons of the fuel tank to be treated. Using the table below, choose the **Clear-Diesel** container that will treat a fuel tank of that capacity.

Part#	Container Size	Treats Up To
9228	1 Gallon	500 Gallons
9250	2.5 Gallons	1,250 Gallons
9255	55-Gallon Drum	27,500 Gallons

3. Add **Clear-Diesel** to the fuel tank. Fill tank with fuel.

### To maintain a clean fuel tank and stabilize fuel for long-term storage:

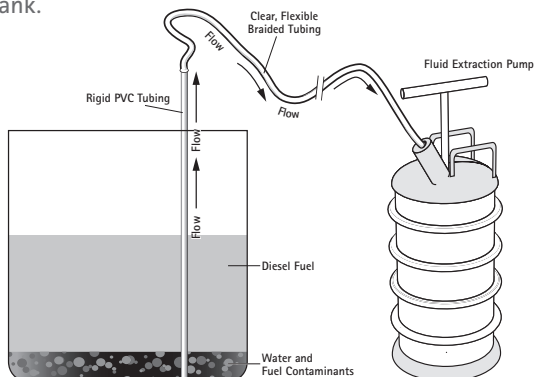
1. Determine the total capacity in gallons of the fuel tank to be treated. Using the table below, choose the **Clear-Diesel** container that will treat a fuel tank of that capacity.

Part#	Container Size	Treats Up To
9228	1 Gallon	1,000 Gallons
9250	2.5 Gallons	2,500 Gallons
9255	55-Gallon Drum	55,000 Gallons

2. Add **Clear-Diesel** to the fuel tank. Fill tank with fuel.

## Pump-Out Procedure to Remove Water and Fuel Contaminants

If your fuel tank does not have a bottom drain, use the diagram and instructions below to build a pump-out system to remove water and fuel contaminants from the lowest point of the fuel tank.



## Parts List for Do-It-Yourself Pump-Out

- A fluid extraction pump (electric or manual) rated for use in diesel fuel
- One 2-foot section of clear, flexible braided tubing – diameter to match size of pump intake
- One 5-foot section of rigid PVC tubing to use as a probe – diameter to match clear flexible tubing

Access to the inside of fuel tanks can be accomplished through fuel fill orifices, fuel level/gauge sending units or fuel tank inspection plates.

Insert the rigid PVC tubing into the fuel tank until it makes contact with the bottom of the fuel tank. Initiate pump to begin pump-out. View water and other fuel tank contaminants through the clear plastic tubing. Stop pump-out when clean diesel fuel appears.

Discard tank bottoms in a method compliant with state and federal environmental regulations.

## TYPICAL PHYSICAL PROPERTIES OF CLEAR-DIESEL FUEL & TANK CLEANER

Color	Straw Yellow
Density (lbs/gal)	7.38
Sulfur Content	<15 parts per million (ppm)
Flash Point	
Customer Convenience Formula (1:400)	105°F
Concentrated Formula (1:1,000)	142°F
Pour Point	-90°F
Solubility	
In Diesel Fuel	Completely Soluble
In Biodiesel and Biodiesel Blends	Completely Soluble
In Kerosene	Completely Soluble
Shipping and Handling	
Part Nos. 9216, 9225, 9280, 9228, 9250, 9255	Not regulated by DOT
Part No. 9260	NA 1993, Combustible Liquid, N.O.S., (Hydroxy Alkoxylate), Class 3, PG II, Marine Pollutant (Alkylphenols)

Use of **Clear-Diesel Fuel & Tank Cleaner** will not harm diesel oxidation catalysts or diesel particulate filters on 2007 or newer engines.

This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and nonroad engines.

PART#	PACK	TREATS
<b>CUSTOMER CONVENIENCE FORMULA – 1:400 TREATMENT RATIO</b>		
9216-09	9/1 16-Ounce	Up to 40 Gallons
9225-06	6/1 32-Ounce	Up to 100 Gallons
9280-06	6/1 80-Ounce	Up to 250 Gallons
<b>CONCENTRATED FORMULA – 1:1,000 TREATMENT RATIO</b>		
9228-04	4/1 One-Gallon	Up to 1,000 Gallons
9250-02	Two/2.5-Gallon	Up to 2,500 Gallons
9255	55-Gallon Drum	Up to 55,000 Gallons

