

# Diesel Kleen®

## + CETANE BOOST®

- Ultra Low Sulfur Diesel (ULSD) Compliant – contains less than 15 parts per million (ppm) sulfur
- Effective in all diesel fuels, including ULSD and biodiesel
- Contains *Slickdiesel*® for maximum fuel lubrication – protects fuel injectors and pumps against accelerated wear from Low and Ultra Low Sulfur Diesel (ULSD) fuels
- Boosts cetane up to 4 numbers – engines run smoother with less power lag, reduced emissions and faster cold starts
- Reduces visible exhaust emissions (HC, PM) up to 50 percent and reduces NOx and CO emissions up to 28 percent
- Cleans dirty fuel injectors – exceeds Cummins L10 Injector Depositing Test Superior specifications
- Decreases fuel consumption up to 8 percent – fuel savings exceed cost of additive
- Reduces piston and combustion chamber deposits – reduces soot blow-by and engine oil thickening
- Increases power – reduces need for downshifting during high-load conditions
- Exceeds industry standards for thermal stability – improves diesel fuel's resistance to thermal and oxidative degradation
- Stabilizes stored fuel – protects against conditions that promote microbial growth



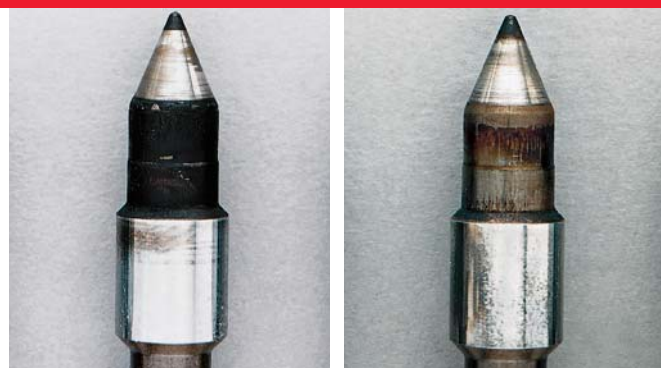
### **Cleans Dirty Fuel Injectors – Exceeds Cummins L10 Superior Specifications**

To pass the Cummins L10 Injector Depositing Test with a Superior rating, diesel additives are required to keep new injectors clean during the 125-hour engine test. Few diesel engine operators have equipment with new fuel injectors and therefore require the higher levels of detergent in Diesel Kleen +Cetane Boost. Within the first 50 hours of engine operation, Diesel Kleen +Cetane Boost provides an 80 percent fuel injector cleanup. The operational improvements are significant:

- 50 percent less visible exhaust emissions (HC, PM) and up to 28 percent less NOx and CO emissions
- Decreased fuel consumption up to 8 percent – fuel savings exceed cost of additive
- Reduced piston and combustion chamber deposits – less soot blow-by and engine oil thickening
- Increased power and reduced need for downshifting

UNTREATED

TREATED



*Injectors after 125 hours of Cummins L10 Injector Depositing Test using untreated diesel fuel and fuel treated with Diesel Kleen +Cetane Boost.*

## Boosts Cetane up to 4 Numbers

There is a direct relationship between a diesel fuel's cetane number and its ignition point. Delayed ignition is a primary cause of increased emissions and inferior engine performance. The lower the cetane number, the longer the ignition delay. Fuels with high cetane numbers burn more quickly and more completely, resulting in smoother running engines with less power lag, lower emissions and easier engine starting.

The Concentrated +Cetane Boost Formula (1:1,500 Treatment Ratio) of Diesel Kleen boosts cetane up to 4 numbers. The Customer Convenience Formula (1:400 Treatment Ratio) boosts cetane up to 6 numbers.

## Contains Slickdiesel® for Maximum Fuel Lubrication

*Slickdiesel* sets the standard for lubrication of diesel fuel injection systems. The components of diesel fuel injection systems are lubricated by diesel fuel. Without proper lubrication, fuel injectors and pumps are subjected to increased wear rates and premature failure. Diesel Kleen +Cetane Boost contains *Slickdiesel*, a proprietary Power Service diesel fuel lubricator that exceeds the ASTM D-975 maximum specification for lubricity in Low and Ultra Low Sulfur Diesel (ULSD) fuels.



### TYPICAL PHYSICAL PROPERTIES OF DIESEL KLEEN +CETANE BOOST

Color	Straw
Density (lbs/gal)	7.7
Sulfur Content	<15 parts per million (ppm)
Flash Point	
Customer Convenience +Cetane Boost Formula (1:400)	105°F.
Concentrated +Cetane Boost Formula (1:1,500)	142°F.
Shelf Life	Indefinitely In Sealed Container
Solubility	
In Diesel Fuel	Completely Soluble
In Biodiesel and Biodiesel Blends	Completely Soluble
In Kerosene	Completely Soluble
Shipping and Handling	
HM-181 Class	Combustible Liquid NQS. NA 1993 (Hydrocarbons)



Comparison of piston cleanliness using a standard premium diesel fuel versus diesel fuel treated with Diesel Kleen +Cetane Boost.

Test Method: MWM-B CEC L-12-A-76

### DIRECTIONS FOR USE:

Add Diesel Kleen +Cetane Boost as directed on the container label. To ensure thorough mixing, add prior to filling tanks with diesel fuel.

Part #	Pack	Treats
<b>CUSTOMER CONVENIENCE +CETANE BOOST FORMULA - 1:400 TREATMENT RATIO</b>		
3016-06	6/1 16-Ounce	Up to 35 Gallons
3025-12	12/1 32-Ounce	Up to 100 Gallons
3041-04	4/1 96-Ounce	Up to 300 Gallons
<b>CONCENTRATED +CETANE BOOST FORMULA - 1:1,500 TREATMENT RATIO</b>		
3841-04	4/1 96-Ounce	Up to 1,000 Gallons
3850-02	Two/2.5-Gallon	Up to 7,500 Gallons
3855	55-Gallon Drum	Up to 82,500 Gallons
3860	260-Gallon Tote	Up to 390,000 Gallons