

Since 1916

Solution to Your Fuel Issues

Cutting Edge Technology

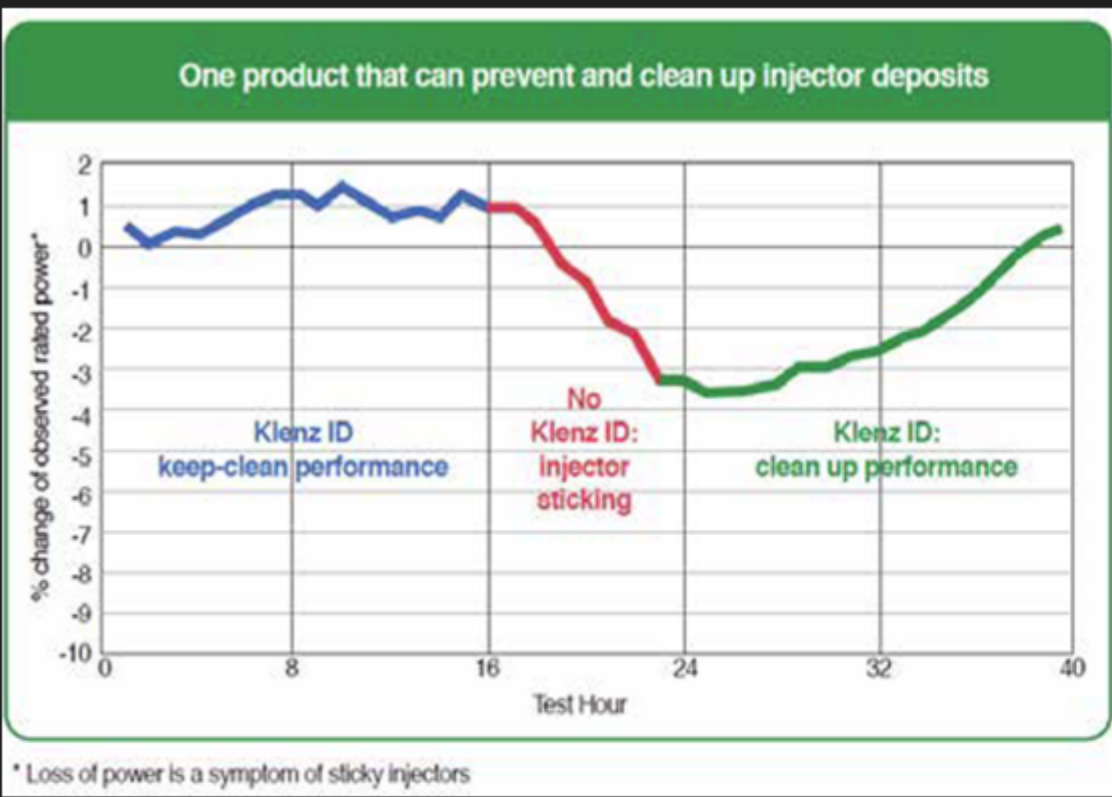
Klenz ID®

11

Diesel Fuel Issues Klenz ID® can Fix & Prevent

1

Internal Diesel Injector Deposits



2

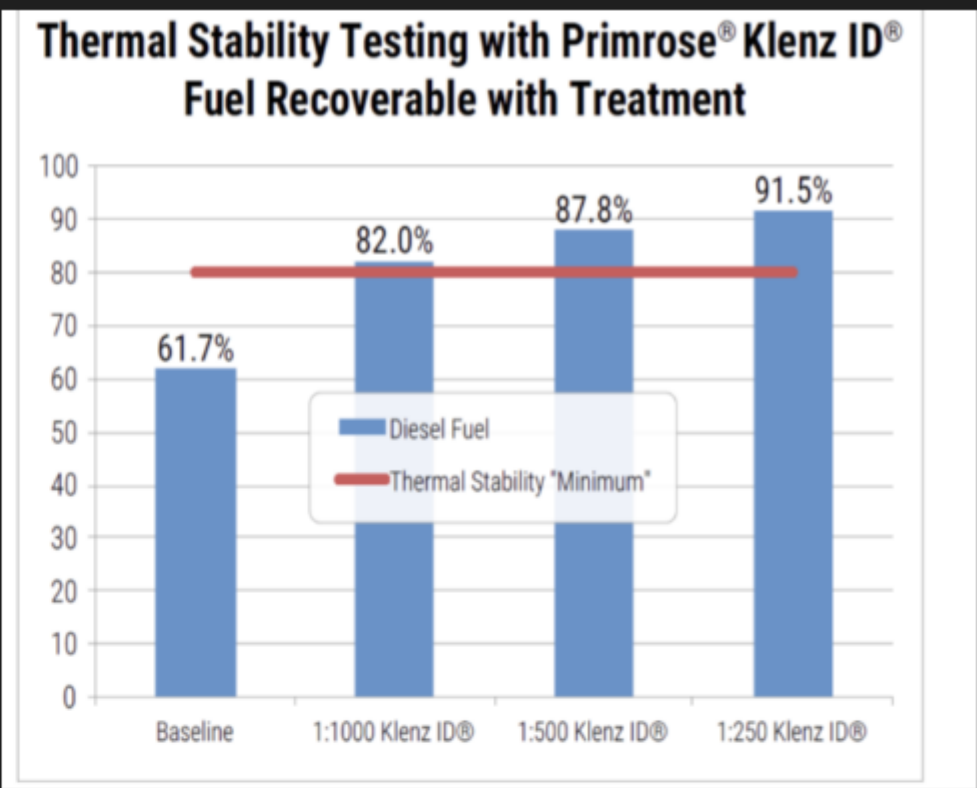
Premature Filter Plugging

Klenz ID® has been documented to extend the fuel filter life of one fleet by 3 times their normal life. This can lead to vast savings and contribute to the bottom line.

This was achieved at the Klenz ID® “maintenance,” 1:1000, treatment ratio.

3

Fuel Storage Stability and Recovery



4

Excessive Diesel Particulate Filter (DPF) Regenerations

When used at the recommended treatment ratio (1:1000) or higher, Klenz ID® will help to reduce passive and active DPF “regens.”



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Excessive Water in Fuel

Klenz ID® disperses moisture, the more moisture one desires to be dispersed, the higher recommended dose that the product should be used at.

If even more moisture is needed to be dispersed, use a Winter Klenz ID product, as Winter Klenz ID contains Ice Check to disperse higher concentrations of water. Highest dose of Winter Klenz ID is 1:500; highest dose of Power Klenz ID or Klenz ID® is 1:250.

6

Wax

Winter Klenz ID contains anti-waxing additives that will keep wax from coagulating together, dispersed throughout the diesel fuel, thus lowering the operating temperature of diesel fuel. Use Winter Klenz ID at least at the recommended dosage for best results in most fuels.



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Carboxylates

Klenz ID® will dissolve and disperse carboxylates. The higher concentration of carboxylates or the more desired to be dealt with, use Klenz ID® at a higher dose.

It is recommended to use Klenz ID® at least at the “maintenance” dose, 1:1000 , all the way up to the “quick clean,” 1:250 dose for Power Klenz ID or Klenz ID®, or up to 1:500 in the Winter Klenz ID Product Line.

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Asphaltenes



“Asphaltenes” Dissolved by Klenz ID, Time Span = 10 Minutes

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Hard Starting And Lack Of Power

Klenz ID® contains Xtreme Torque®, Primrose’s exclusive cetane booster, that when used at the recommended “maintenance” dosage (1:1000) will boost cetane by up to 40 points or 4 numbers. This will help decrease hard starting, and return power back to the engine.

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Excessive Monoglycerides in Fuel

Concentrated Formula



Monoglyceride Filter Clogging

They will appear on the filter as a waxy, thick coating. If you suspect this has occurred with your fuel filter in the past, is occurring with your fuel filter or you just want to prevent this from happening, use one of Primrose’s exclusive Klenz ID additives.



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Low Lubricity

Type	HFRR Wear Scar	% Better Than Baseline	% Better Than "Regular" Diesel Fuel Additive
Baseline Diesel Fuel with No Additives	610		
"Regular" Diesel Fuel Additive	460	24.6%	
Klenz ID® Series of Products	200 mm - 340 mm	44.3% - 67.2%	26.1% - 56.5%