



Fuel Performance Enhancement Process

Introduction:

Re-Synth International's (RSI) patented and proprietary technologies place your business ahead of the rest. Our implemented technology provides cost benefits derived from fuel efficiency while also decreasing your environmental footprint.

Fuels we work with:

RSI works with various oil-based fuels, biofuels and blends. We improve the efficiency of ULSD (Ultra Low Sulphur Diesel), D2, and Biodiesel blends. If a fuel or fuel blend is not included in the list, we work with our customer to satisfy their needs. We request a fuel analysis to determine if we can work with such fuel and emulsify it for our potential client.

Which do you prefer?



Emissions and Maintenance Reduction

Our enhanced fuel is injected into the diesel engine combustion chamber in the form of emulsified fuel. Our data proves we enable a higher latent heat absorption due to the aqueous particles during the combustion. These in turn, lower the local temperature resulting in the reduction of Nitrogen Oxides (NOx) of up to 45%.

Lesser formation of soot and Particulate Matter (PM) indicates more efficient combustion. Results have shown that soot and PM are reduced. We achieve reductions in soot emission as high as 81% with W/D emulsion fuel. This translates to cleaner combustion chambers and exhaust pipes.

RSI emulsified fuels are not corrosive. Our proprietary technology encapsulates and binds small droplets of water into the fuel. Our product stability is above one month even though our product is designed for immediate use. There is no potential or imminent presence of "free water" in the fuel and therefore no change in lubricity.

How much money will I save?

RSI installs proprietary technology and shares the savings obtained, the client will only share the savings with RSI once the efficiency is confirmed by the change in consumption. You might ask how much would this savings represent per month based on your fuel type. Please refer to the following example based on \$2.00 per gallon for a client that has a daily fuel consumption of 1,000 gallons.

ULSD/Biodiesel Blends: Average of \$6,000/month*

* Savings range depends on the fuel, and the equipment.