

OPTIMIZING
TRUCKING
& HAULING
EFFICIENCY



**Proven Results with Fuel Ox® with
Combustion Catalyst**

 www.FUELOX.com  info@fuelox.com  +1 844.838.3569

INTRODUCTION TO **FUEL OX®** WITH COMBUSTION CATALYST

The Ultimate Fuel Treatment for Trucking & Hauling.

Fuel Ox® isn't just another fuel additive—it's a game-changer for the trucking and hauling industry, where **every mile per gallon** and minute on the road matters.

Powered by a patented, metallic-based combustion catalyst, Fuel Ox® delivers two critical advantages: **increased fuel efficiency** and major **reductions in harmful emissions**.

In an industry where engines run hard and downtime is expensive, Fuel Ox® rises to the challenge. Unlike traditional additives, it **reduces soot by up to 60% or more**, easing the burden on emission control systems like **DPFs, EGRs, and SCRs**—and helping them last longer.

The result? Lower maintenance costs, fewer breakdowns, and more time on the road. That means better margins and less stress for your fleet.



Why Fuel Ox® is Essential for Your Operation

Fuel Ox® doesn't just improve fuel efficiency by extracting more energy from every gallon; it also dramatically cuts emissions, making it a win-win for your operations.

Here's why Fuel Ox® is indispensable for the trucking industry:



Maximized Fuel Efficiency:

Get the most out of every drop of fuel, cutting consumption and driving cost savings.



Dramatic Emissions Reduction:

Cut down on soot and harmful emissions, ensuring compliance and promoting environmental responsibility.



Lower Maintenance Costs:

Cleaner engines mean fewer breakdowns, less wear and tear, and reduced maintenance expenses.



Extended Engine Life:

Prevent carbon buildup and protect vital engine components, ensuring longevity and reliability.



Concentrated & Versatile:

Super concentrated to enhance diesel, gasoline, and other fuels for optimal operation.



Protects Emissions Systems:

Lowers emissions at the source to reduce stress on EGRs, DPFs, sensors, and valves—helping prevent failures between PMs. Minimizes fuel-quality-related issues, boosting reliability and cutting costly repairs.

HOW FUEL OX® WORKS

THE SCIENCE BEHIND SUPERIOR COMBUSTION

Fuel Ox® uses advanced metallic atoms as catalysts to optimize the combustion process in engines, resulting in more complete fuel burning, fewer emissions, and enhanced engine performance. **Here's how it makes a difference:**

Lowering the Activation Energy:

Fuel Ox® releases metallic atoms into the combustion chamber that act as catalysts, reducing the energy needed for fuel to ignite. This means your fuel ignites more easily and burns more completely at lower temperatures—delivering more power from every drop.

Boosting Combustion Efficiency:

As temperatures rise, these metallic catalysts promote the formation of free radicals—highly reactive molecules that enhance the combustion reaction. This ensures more thorough burning of the fuel, leaving fewer unburned hydrocarbons and maximizing fuel use.

Increasing Flame Temperature and Speed:

The metallic particles help maintain a hotter and faster-burning flame, leading to a more complete breakdown of fuel molecules. This reduces soot formation and minimizes other byproducts of incomplete combustion, keeping your engines running cleaner and longer.

Protecting Engine Components:

By ensuring more complete combustion, Fuel Ox® prevents harmful carbon buildup on critical engine parts such as injectors, valves, and exhaust systems. This means lower maintenance costs, less downtime, and extended engine life—all while maintaining consistent performance.


Fuel Ox® sets a new standard for fuel additives, providing real-world results where it matters most—in the field. Following these pages, you'll find trial results from trucking companies that prove its effectiveness.



COMPARING FUEL OX®:

A BREAKDOWN OF PERFORMANCE AGAINST COMPETITORS

The table below offers a comprehensive comparison highlighting how Fuel Ox stacks up against conventional fuel additives. Through rigorous testing and analysis, Fuel Ox emerges as a standout performer, showcasing its superior efficacy and unmatched benefits. From increasing fuel efficiency and horsepower to reducing emissions and extending engine longevity, Fuel Ox proves to be a game-changer in optimizing engine performance and enhancing overall fuel economy. With its innovative formulation and proven results, Fuel Ox sets a new standard in fuel treatment solutions, providing businesses and consumers with a reliable and cost-effective solution for their fuel optimization needs.

BENEFIT		CONVENTIONAL ADDITIVES AS FOUND AT THE RACK OR TRUCK STOPS
Treatment Ratio	1 to 10,000	1 to 750-2,000
Primary Means of Increased Mileage	Proprietary Amine Compound Mixture	Cetane Improver
Fuel Efficiency Increase	Up to 12%	0-4%
Removing Sludge & Waxes From Fuel	Better	OK
Stabilizer	>8%	1-3%
Tank Corrosion Inhibitor	Yes	No
Detergent That Cleans Fuel Pump	Yes, more, injectors and fuel rails	Some
Soot & Carbon Combustion	Up to 60% or more residue reduction	0-20%
Storage - 1 - 55 Gallon Drum Treats	550,000 gallons	55,000-110,000 gallons
Available ¾ Gallon Jug That Treats 7,500 Gallons	Yes	No, most would be 7.5 gallons

RESULTS FROM **TRUCKING COMPANIES WORLDWIDE**

Worldwide trials show Fuel Ox® with Combustion Catalyst boosts fuel efficiency, cuts DPF regens, and lowers DEF usage—delivering real savings for fuel-intensive trucking operations.

Company	Location/Date	Machinery Description	Result	
Martin Paving	Lititz, PA	Tri-axle Dump Truck	+9.13% Fuel Efficiency Increase	
			+14% DEF Reduction	
George Harms Construction	Howell, NJ	Triaxle #623	+14.71% Fuel Efficiency Increase	-60% Reduction of Soot -20% DEF Reduction
		Triaxle #T-536	+8% Fuel Efficiency Increase	
		Tractor (Lowboy)	+7.8% Fuel Efficiency Increase	
Americold (Halls Trucking)	South Plainfield, NJ	Over-the-Road Truck (Reefer)	+9.6% Fuel Efficiency Increase	
Dutch Valley Foods	Myerstown, PA		+3-5% Fuel Efficiency Increase	700,000+ miles on DPFs
Metropolitan Trucking	Bloomsburg, PA		+21.4% DEF Savings	
Watkins & Shepard Trucking	Sayreville, NJ		+6.7% MPG	
Lao Tobacco	Vientanne, Laos	NN 5506	+21.13% Fuel Efficiency Increase	
TransMaion	Brazil		+7.38 Fuel Efficiency Increase	
Scotland Transit Van	Grangemouth, Scotland	Renault T460 truck	+14.20% Fuel Efficiency Increase	
GS Trucking	Canada	2 refrigerated tractor-trailers	+7.1% Fuel Efficiency Increase	Reduced DEF usage (driver-reported)
			Lower maintenance & longer asset life	Estimated 450 tons CO ₂ reduction annually

OTHER SIGNIFICANT RESULTS

Testing worldwide—including lab and field settings—shows Fuel Ox® reduces emissions, improves fuel efficiency, cuts DEF use, and lowers DPF regenerations.

All non-third-party tests were company-supervised, often with ISG or Fuel Ox consultation.

Company	Description	Emission Tested		Result
Intruments Lab S.A.C. For Tinka Resources	14,000 ft, Andes Mountains Machinery Tested: Two diesel electricity generators	<i>Emission Temperature</i>		-33.5%
		<i>Particulate Matter (PM)</i>		-84.29%
		<i>Hydrogen Sulfide (H2S)</i>		-67.29%
		<i>Nitrogen Oxides (NOx)</i>		-52.85%
		<i>Nitrogen Monoxide (NO)</i>		-69.57%
		<i>Sulfur Dioxide (SO2)</i>		-78.2%
Intertek Group PLC	Diesel truck tested by Intertek using MRU Vario Plus SE	<i>Carbon Dioxide (CO2)</i>		-20%
		<i>Nitrogen Monoxide (NO)</i>		-12.3%
		<i>Nitrogen Oxides (NOx)</i>		-6.3%
		<i>Hydrogen Sulfide (H2S)</i>		-12.5%
Company	Location/Date	Machinery Number	Machinery Description	Result
Detroit Diesel/MTU Testing Center For Anglo American	Santiago, Chile		<i>MTU Genset</i>	+3.96%
Parker Wellbore	Sharjah/UAE facility		Three diesel generators: #028 (2020, 500 KVA), #029 (2012, 500 KVA), and #077 (2018, 650 KVA).	+10.24%
McAllister Towing & Transportation	Philadelphia, PA		<i>4000 horsepower Z-Drive Tractor Tug, ABS Classed, A1 Towing vessel</i>	+5.97%
Weitsman/ Upstate Shredding	Owego, NY, USA		<i>Cat 988H Loader</i>	+12.15% MPG -50% Regenerations
F.LLI STAMEGNA	<i>Italy</i>		<i>720 KVA MTU 12V2000 engine type G63</i>	+8% MPG -70% Soot/Coal Reduction

TRUSTED BY THE PROS:

A TECHNICIAN'S REAL-WORLD EXPERIENCE

When it comes to performance in extreme conditions, few endorsements carry more weight than that of a seasoned emissions specialist overseeing hundreds of trucks. Larry Bieber, Senior Emissions Specialist for Patton Logistics Group (Watson Town Trucking), shares his firsthand experience after implementing Fuel Ox® Cold Charge during harsh winters—and the results speak for themselves.



In the fall of 2018, I began treating our bulk fuel deliveries with **Fuel Ox® Cold Charge** in preparation for winter. To my surprise, **every truck started without issue**, even in subzero temperatures—something I hadn't seen in 15 years with other treatments. The year before using Cold Charge, our first cold snap left 47 trucks inoperable due to gelled fuel.

At the time, I had just become the Emissions Specialist for 350 Volvo, Mack, and Cummins-powered trucks, all struggling with frequent DPF failures. The issue was so severe that the company bought a wrecker just to retrieve derated trucks, and management considered cutting DPF service intervals from 100K to 50K miles.

After my success with Cold Charge, I continued using Fuel Ox® year-round. The results were clear: **engines ran cleaner, DPFs lasted longer**, and emissions components required **far less maintenance**. Units fueling outside our main terminal still faced frequent DPF issues, further amplifying the positive effect Fuel Ox was having on our emissions systems. One of our trucks recently needed its first DPF service **at over 600K miles!** We've also seen a major drop in injector replacements.

Because of these results, I now use Fuel Ox® and Infinity Lube™ in all my personal vehicles—cars, trucks, tractors, and even two-cycle engines, both gas and diesel.

It's a game-changer.

Larry Bieber, Sr. Emissions Specialist, Patton Logistics Group (Watson Town Trucking)

INFINITY LUBE™ LINE:



SUPERIOR PERFORMANCE & SUSTAINABILITY

INFINITY LUBE
BY FUEL OX®

Take your maintenance program further with the Infinity Lube™ line of lubricants—offering both **plant-based, toxin-free solutions** and a **powerful conventional lithium complex grease** for extreme durability.

Super Grease (Lithium Complex)

Engineered for the harshest conditions, Infinity Lube™ Super Grease is a high-performance lithium complex grease that resists water washout, oxidation, and extreme pressures. Ideal for bearings and heavy equipment, it slashes friction and extends service intervals—perfect for demanding applications.



Super Grease (Plant based)

Achieve peak protection with Infinity Lube™ Super Grease, engineered to excel in both light and heavy-duty applications. This advanced formula reduces friction, conditions metal surfaces, and resists water washout and oxidation—even under extreme conditions. Ideal for bearings, mechanical equipment, and any metal-to-metal contact, it delivers unmatched reliability and durability.



Friction Eliminator

Maximize equipment life and performance with Infinity Lube™ Friction Eliminator. Designed to form a protective layer that dramatically reduces friction and wear, it is ideal for crankcases, gearboxes, and hydraulic units, providing extended service intervals, minimized downtime, and superior operational efficiency.



Super Spray

Infinity Lube™ Super Spray is your solution for the toughest applications where a grease gun can't reach. It's perfect for all exposed machinery and metal parts, effectively reducing friction, cleaning, degreasing, protecting, and freeing rusted components. Use it on forklifts, chains, cables, moving parts, and metal tracks for versatile, enduring protection.



Testimonial: Real Results from the Field

Large Mining Company – Eastern KY
Equipment: 988H CAT Loader

"Applying Infinity Lube Super Grease to the bucket pins of our 988H CAT Loader changed everything. Normally, we had to grease every 10-12 hours, but with Infinity Lube, we went **6 shifts before re-greasing**, even in water-covered conditions. The heat reduction was immediate, and we used **80% less grease**, cutting costs and boosting productivity. Infinity Lube has revolutionized our maintenance approach."

— Chris Goebel, Maintenance Coordinator
Alpha Natural Resources, Kentucky, USA

Don't compromise with toxic, outdated lubricants. Switch to Infinity Lube™—a plant-based solution engineered to deliver superior performance and sustainability. Keep your operations running smoothly and efficiently, even in the harshest conditions.



CONTACT US



+1 844.838.3569 (FUELOX)



www.FUELOX.com



info@FUELOX.com

