

Fuel Maximizer

Advanced Fuel Conditioning Technology



Solving Problems...Saving Money



Fuel Maximizer

Advanced Fuel Conditioning Technology

ProOne's Fuel Maximizer is a super-concentrated fuel catalyst/conditioner that liberates fuel's chemical energy and addresses fuel problems.

This allows more oxygen and helps create better performance, significantly reduce fuel consumption and dramatically lower emissions.

TREATMENT RATIO

1:2,500 or 1oz per 20 gallons
Double dose first tank

Bottom Line Benefits

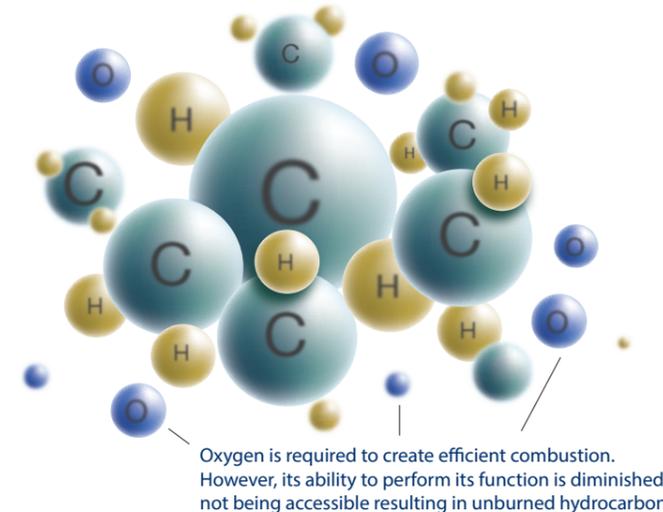
- Improvement in fuel economy
- Virtually eliminates opacity
- Reduces ash formation
- Adds lubricity to diesel fuels
- Prevents carbon buildup
- Improves engine performance
- Increases BTU's
- Cleans fuels system and injectors
- No mixing-blends instantly

ProOne#	Size	Case Pack	Treatment
32016	16 oz/473ml	12	1 bottle treats 320 gallons
32001	1 gal/3.78L	4	1 gallon treats 2,500 gallons
32055	55 gal /208L	1	1-55 gallon drum treats 137,000 gallons

How It Works

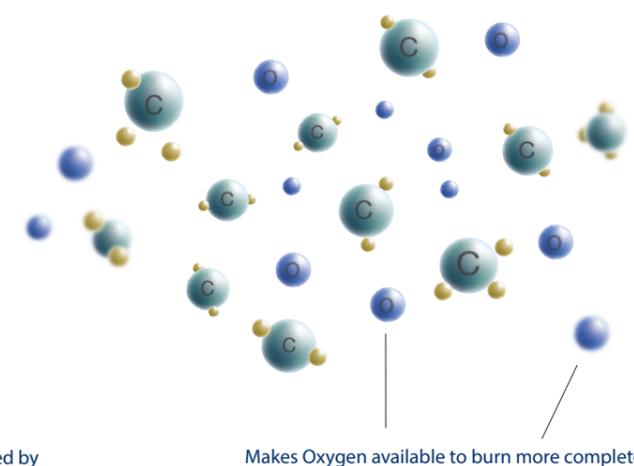
Without Fuel Maximizer

Fuel's chemical energy is stored in a hydrocarbon. In this state, Hydrocarbons do not burn completely resulting in carbon, soot, and harmful emissions



With Fuel Maximizer

Fuel Maximizer is a catalyst that breaks apart large particulates, accelerating the chemical reaction of the fuel thus liberating its chemical energy.



In Your Equipment

Optimized Atomization

Atomization allows the flame to propagate more efficiently accelerating combustion

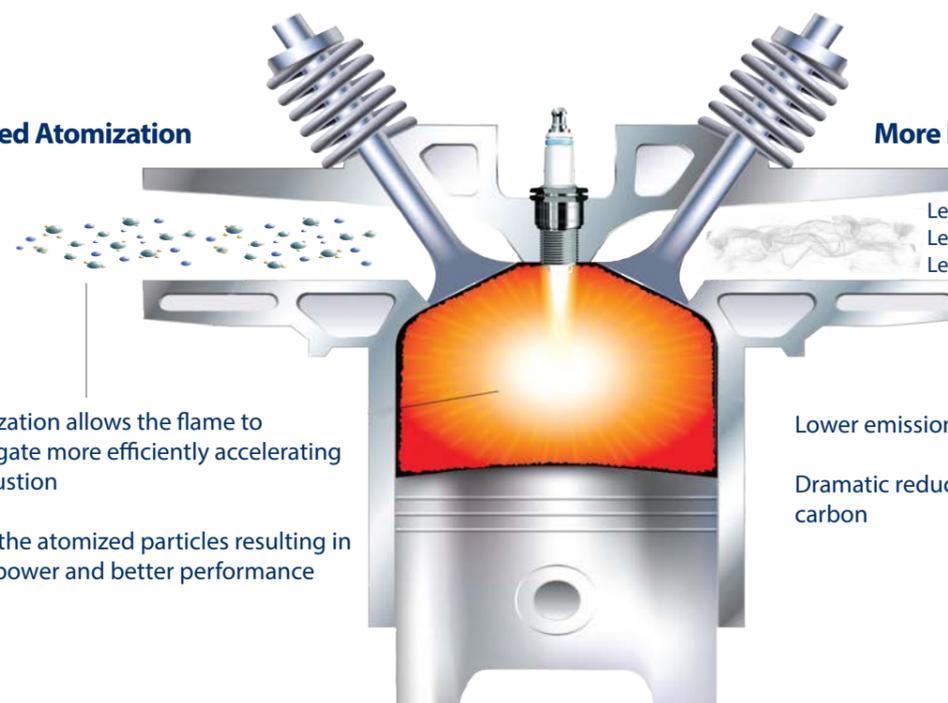
Burns the atomized particles resulting in more power and better performance

More Efficient Combustion

Less Unburned Hydrocarbons - HC's
Less Carbon Monoxide - CO
Less Nitrogen Oxides - NOx

Lower emissions per unit of fuel burned

Dramatic reduction of ash and unburned carbon

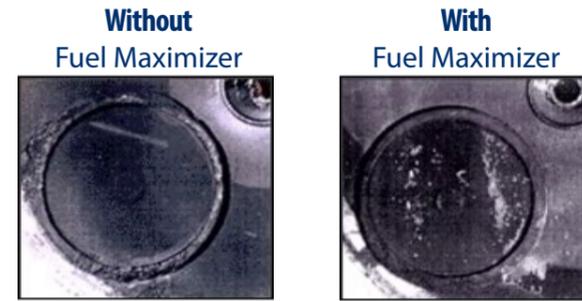


Tested & Proven

Carbon & Soot

Incomplete combustion results in carbon and soot buildup which will:

- Contaminate your oil and clog oil and fuel filters
- Increase oil viscosity and create sludge
- Cause detrimental wear in cylinders and valve components
- Rob your engine of fuel economy and performance



(EGR Valve Soaked in Fuel Max for 4 Minutes)



Without Fuel Maximizer

With Fuel Maximizer

Water Contamination

Water contamination creates a harmful breeding ground for Bacteria & Algae. This leads to:

- Fuel filter contamination
- Dramatic acceleration of oxidation THEN corrosion
- Poor fuel detonation = Lower fuel efficiency



Water Contamination



Algae/Fungi



Corrosion

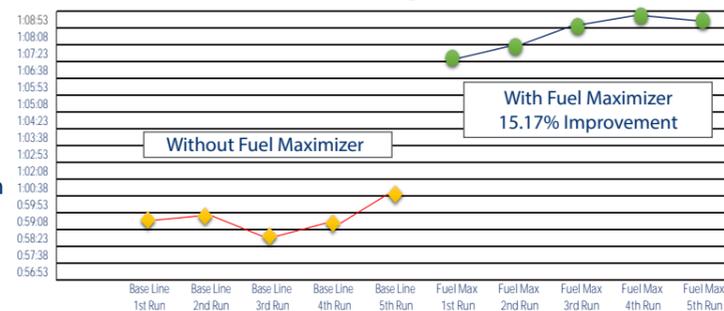
Fuel Economy

Fuel does not completely atomize, even with today's modern engine designs:

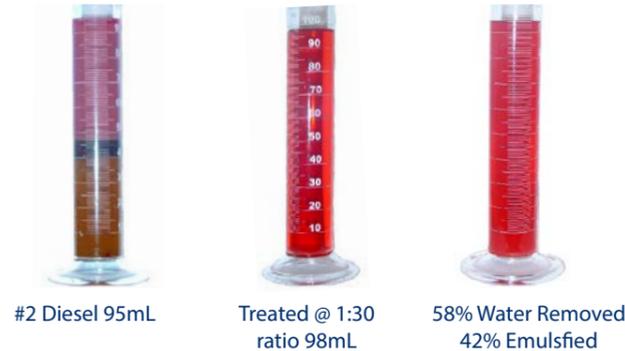
- Robbing performance and fuel economy
- Results in an increase in emissions and carbon build-up
- Which eventually contaminate your oil and could result in engine failure

MPG+ SAE J1321 Fuel Consumption Test Results

Engine: Cummins N14 with #2 Sinclair Diesel
Ratio: 1oz to 23 gallons of fuel



Fuel Storage Tanks

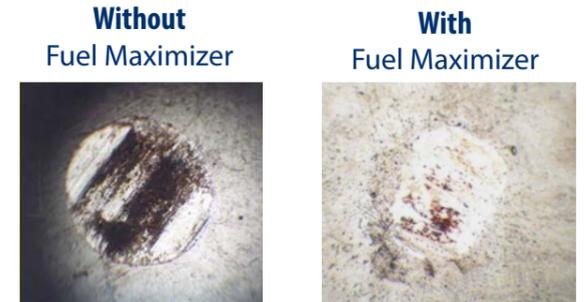


ULSD & Lubricity

The EPA has mandated ULSD fuels to reduce emissions, dropping sulphur content from 500ppm to 15ppm.

This unfortunately results in:

- Low lubricity = injector and pump failure, excessive carbon build-up, upper cylinder wear
- Increased NOx emissions
- Provides a breeding ground for microbes and bacteria which will expand and clog filters and lead to fuel starvation or catastrophic failure



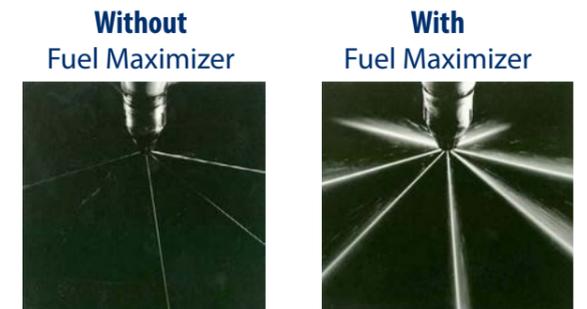
FAIL MWSD
Mean Wear Scar Diameter
0.57mm

PASS MWSD
Mean Wear Scar Diameter
0.35mm

Injector Spray

Common injector malfunction is caused by carbon build-up, contaminated fuel and lack of lubrication (ULSD, Ethanol Fuels)

- Spray pattern must allow fuel to fully atomize for ideal burn
- Steady stream will not burn efficiently and creates carbon



Without Fuel Maximizer

With Fuel Maximizer

Fuel Maximizer helps safely remove existing carbon build-up, allowing injectors to operate.

Cleanliness Test

Cummins L-10 Injector Cleaning Test

Test method designed for evaluation of diesel fuel and overall quality for deposit reduction.

Inadequate fuel quality affects:

- Deposit tendency
- Corrosivity
- Lubricity
- Injector performance



Without Fuel Maximizer
Plunger Rating - Untreated Average 23.38%



With Fuel Maximizer
Plunger Rating - w/Fuel Maximizer 8.2%

Plunger Rating - Removed and rated for injector deposits. The lower the percentage, the less carbon there is on the injector preventing flow loss of fuel.

Case Studies

Major Drilling Operator - Texas 2013

BEFORE ProOne Fuel Maximizer

- 26 day operation
- 54,490 gallons of diesel used
- 2,096 gallons per day

AFTER ProOne Fuel Maximizer

- 15 day operation
- 28,123 gallons
- 1,875 gallons per day

Total Savings based on 28 Days of Operation

- 11.18% Fuel Savings in same location
- 221 Gallons of fuel less per day

\$17,111 saved per month



T-1 Mitsubishi - July 2011

- Type: 4-cycle Water Cooled
- Aspiration: Turbo-Charged
- No. of Cylinders: 16
- Fuel Injector: Mitsubishi PS8 Type x 2
- Compression Ratio: 14.0: 1
- Horsepower: 3000
- RPM: 1800

BEFORE ProOne Fuel Maximizer

- @ 40% load 74gph
- @ 80% load *63gph

AFTER ProOne Fuel Maximizer

- @ 40% load 60gph = 19% Increase
- @ 80% load *48gph = 23.8% Increase

(*with Bio-Fuel)



Testimonials

"We have spent in excess of \$15,000 in the Anaheim location alone on fuel related issues in the past 6 months or so, but zero on the test units I have been running the ProOne Fuel Maximizer."

General Service Manager – Leading Construction Company

"I have three Cummins QSM 11 engines in my fleet which have the newer computer tier 2 engines. We added the ProOne Fuel Maximizer to our tanks and wow, we received an immediate 7% fuel savings. The sludge on our older fuel tanks and Racor fuel filters were gone! Instead of changing fuel filters every 2 weeks we now go 2 months before we need to change them. That is a major savings!" **Don Brockman, Davey's Locker Sportfishing, Newport Beach, CA**

After 200 hours on a 10-day trip I was burning 33gph. Now I'm burning 29gph with the Fuel Maximizer."

Captain Paul Strasser - Independence Sportfishing, San Diego, CA

"ProOne Fuel Maximizer saved me over \$500 in potential repairs. Fuel Maximizer is an amazing product."

Gary Millikan, Costa Mesa, CA

"I own a 2005 Dodge ¾ ton crew cab pickup with a 5.9 Cummins diesel engine that I haul a fifth wheel trailer with. I used to get 21 to 23 miles per gallon. After using Fuel Maximizer, the truck averages 27 mpg and occasionally it will hit 28 mpg."

Harvey Peak, Maryville, TN

"Prior to adding Fuel Maximizer, black soot and ash floated on the water. After the treatment, it could no longer be seen in the exhaust or in the water. ProOne Fuel Maximizer reduced the soot and ash by 90%...amazing!"

Elser Morales/Head of Maintenance, Hornblower, Newport Beach, CA

International Results - India

India's fuel consumption in September jumps most in a decade

FTI | Oct 16, 2015, 09:04PM IST

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MORE

NEW DELHI: India's fuel consumption surged by 15.1 per cent in September, the most in more than a decade, mirroring pick up in industrial activity in Asia's third-largest economy.

Fuel consumption in September spiked to 14.699 million tonnes, up 15.1 per cent from 12.771 million tonnes in the same month a year ago, according to a data from Oil Ministry's Petroleum Planning and Analysis Cell (PPAC).

Diesel, the most consumed fuel in the country, saw sales jump 20.1 per cent to 5.886 million tonnes.



Petrol consumption soared 25.4 per cent to 1.879 million tonnes.

ProOne Fuel Maximizer was recently used by India's transportation industry. Below is what was reported:

Diesel Buses

- 15% increase in mileage (average)
- Significant decrease in black smoke within 15 minutes
- More power/improvement in acceleration

Diesel Trucks

- 8 to 19% increase in mileage
- 70 to 80% decrease in black smoke within 15 minutes
- More power/improvement in acceleration

Results show ProOne Fuel Maximizer helping operators save fuel and solve major problems.



Maximize Savings In Your Equipment With Heavy Duty Oil Stabilizer

Highly recommended to complement and protect your Diesel and Gas engines. These products feature our XPL+ Xtreme Pressure Lubrication technology to bond to the metal to reduce friction, and give protection and performance second to none!

- More Power, Better Fuel Economy
- Helps Stop Oil Burning & Leaks
- Eliminates Smoke
- Stop Thermal Breakdown
- Prevent Costly Breakdown



How It Works

On a bench cross axis friction machine test, bearings are subjected to pressure from a spinning race. Using a leading motor oil without XPL+, the bearing sustains severe damage at only 4,000 pounds per square inch of pressure. With ProOne's exclusive XPL+ technology, there is minimal damage at 200,000 per square inch of pressure...over 50 times the pressure!

Typical lubricants tend to migrate away from heat sources but XPL+ has a positively charged molecule structure with a strong ionic (+) charge which allows it to bond to metal even under extreme heat and pressure, giving lubricants formulated with XPL+ unprecedented film strength and extreme pressure protection.



Without XPL+ @ 4,000psi



With XPL+ @ 200,000psi

"One of our Detroit Diesel's in our Sheriffs Rescue Boat had a water cooler failure. Although coolant entered into the burn chamber, no damage could be found on the bearings or any of the internal parts. The chief mechanic attributed ProOne Heavy Duty Oil Stabilizer to saving their engine from further damage."

- Los Angeles Sheriff's Boat Operations/ Harbor Patrol



ProOne, Inc.
940 South Coast Drive Suite 200
Costa Mesa, CA 92626
Phone: (714)327-0262
Fax: (714) 327-0266

www.pro1industrial.com
www.pro1energy.com

ProOne, Inc.
10497 Town & Country Way #700
Houston, TX 77024
Phone: (832) 516-6700
Fax: (832) 516-6701

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