



TECHNICAL BULLETIN

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INCREASE ENGINE PERFORMANCE

Increasing Power with FEROX and 801 RACING Fuel Combustion Catalyst Additives

Certain individuals prioritize enhancing fuel efficiency, while others focus on lowering exhaust emissions. However, there exists a unique group of individuals, the adrenaline-fueled thrill-seekers, who aim to maximize horsepower and torque from their engines. Frequently, they find themselves compromising on fuel efficiency for increased engine power, but this doesn't always have to be the situation...

Dosing your vehicle with FEROX or 801 RACING can help you get the most out of your fuel, resulting not only in increased fuel economy and decreased emissions but in enhanced engine output. These increases in peak horsepower and torque can put your engine ahead of the pack.

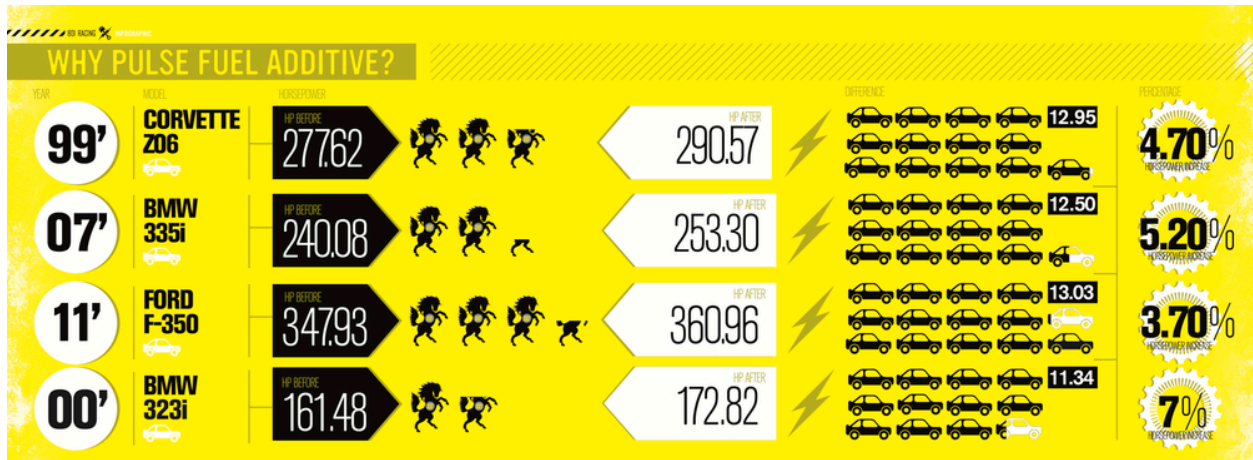
Our specialized solid fuel combustion additive contains a proprietary combustion catalyst that provides a more complete burn of your fuel. In technical terms, the catalyst has a chemical affinity to the hydrocarbon molecules in your fuel and achieves a positive effect on the rate determining step in the combustion process. Simply put, more fuel gets burned in the engine for energy as opposed to contributing to exhaust emissions and carbon deposits.

RENSLI fuel catalyst additive formulas are suitable for a wide range of applications, from standard cars and race cars to semi-trucks, offering various benefits due to enhanced combustion. Both FEROX and 801 RACING formulas deliver identical advantages; however, the 801 RACING PULSE POWER BOOST offers more instant measurable boost in horsepower, improved overall performance, ensures smoother cold starts, enhances throttle response, and reduces knock under load for diesel, gasoline, and methanol-powered internal combustion engines. Our formulas do not alter any specifications of any type of fuel and are safe for use in street, racing, or off-road vehicles.



This graph illustrates four different examples of the increase in horsepower provided by PULSE. These tests were performed at three different performance shops on different brands of dynamometers. The

dynamometers used were Dyno Dynamics and Dyno Jet. The results of the tests show between 3.7 - 7% gains in horsepower.



With multiple case studies and thorough testing, RENNSLI Fuel Combustion Catalyst Additives have been shown to be directly responsible for significant increases in engine performance.

Increase Production Efficiency

Performance is not solely important for speed enthusiasts and racers; it also plays a significant role in enhancing productivity. When not utilized for competitive racing, RENNSLI Fuel Combustion Catalyst Additives have been employed in heavy equipment to improve production output. By enabling equipment to operate more efficiently at higher intensities, reliably, and for extended hours, our fuel combustion catalyst can positively impact overall daily operational productivity.

The RENNSLI Fuel Combustion Catalyst Additives have shown a variety of practical uses, leading to significant improvements in both torque and horsepower. We are excited to introduce a fuel catalyst additive that can deliver these advantages, enhance fuel efficiency, and lower exhaust emissions.



Performance Case Studies:

No.	Test	Result	Place	Date
1	Caterpillar D10T C27 Engine Dyno. Performed at Wheeler Cat	7.39% (130 ft. lbs.) increase in torque and 7.33% (45 hp) increase in horsepower at 1800 rpms	Salt Lake City, Utah, USA	November 19, 2013
2	Bill Barrett Corporation and Frontier Drilling Company	9.7% Gain in Drill Time Per Gallon - 16.3% increase in fuel efficiency	Roosevelt, Utah, USA	August 22, 2008
3	Srinivasa Drillers	600 ft depth drilling distance increased and 14% increase in fuel efficiency (from 2000L@4600ft to 2000L@5200ft)	Tiruchengode, Namakkal Dist, India	December, 2020
4	Riva 88 Super Domino Yatch, 2 x MTU 16V 2000 M96L Diesel Motors	The MTU-Engines ran smoother and increased power was felt.	Ibiza, Spain	March, 2022
5	2011 Ford F-250 Super Duty Diesel. Chassis Dyno. Premier Performance	3.7% (13.03 hp) increase in horsepower	Salt Lake City, Utah, USA	August 11, 2011
6	1999 Corvette Z06. Chassis Dyno. Premier Performance	4.66% (14.18 ft. lbs.) increase in torque and (12.95 hp) increase in horsepower	Salt Lake City, Utah, USA	September 15, 2011
7	2007 BMW 335i Chassis Dyno, DYNO DYNAMICS, Evolution Racing Technology	5.20% (12.50 hp) increase in horsepower	El Paso, Texas, USA	March 8, 2008
8	Carlos Molina BMW 335i Chassis Dyno, DYNOJET RESEARCH	6.98% (23.32 hp) increase in horsepower	California, USA	December 19, 2007
9	Carlos Molina Lexus LS300 Turbo Chassis Dyno, DYNOJET RESEARCH	21.8% (60 ft. lbs.) increase in torque and 23.04% (71.7 hp) increase in horsepower	California, USA	December 19, 2007
10	Carlos Molina 2003 BMW 323i Chassis Dyno, DYNOJET RESEARCH	7.02% (11.34 hp) increase in horsepower	California, USA	November 14, 2007

Treatment Solutions for any Fuel

RENNSLI fuel catalyst additives are suitable for use with all types of hydrocarbon-based fuels (such as diesel, biofuels, gasoline, kerosene, lpg, gnl, cng and heavy fuel oil) and can be used in all types of vehicles, from pressure washers to heavy construction machinery. RENNSLI offers solid formulations for fuel treatment solutions with very low dosage rates (1 g for 40 gallons of diesel fuel). For bulk fuel treatment needs, RENNSLI is also offered in different sizes for special fuel tank capacities.

Ultimately, the RENNSLI fuel combustion catalyst has its origins in solid rocket fuel. Years of research and development have brought us this far, and we are proud to present both consumers and the commercial market with a formula that truly delivers on its promises.

