



FUEL CATALYST

FUEL TREATMENT

Feed Your Engine The Fuel It Deserves - Guaranteeing Optimal Engine Efficiency and Performance

A Catalyst - For a Cleaner, Greener Environment



- Improve Fuel Economy (1 – 2 mpg)
- Improve Engine Performance
- Extend Engine Oil Life
- Reduce Your Carbon Footprint
- Warranted for 250,000 miles





FUEL CATALYST

FUEL TREATMENT

FITCH is a TRUE definition of a catalyst

A substance that induces a chemical reaction without itself undergoing any permanent chemical change

The Fitch Fuel Catalyst is a Heterogeneous Metallic Alloy (HMAC) that when in use, transforms or reformulates the molecular composition of fuel at ambient temperatures and pressures.

The result is a cleaner burning fuel that produces higher energy yield with zero to ultra low soot deposits,, and with reduced emissions.



FUEL CATALYST

FUEL TREATMENT

Name Behind Fitch

Founded by Mr. John C. Fitch

race car driver and inventor of road crash barriers

APSI objective: To commercialize innovations in transportation and energy efficiency





FUEL CATALYST

FUEL TREATMENT

University of Connecticut

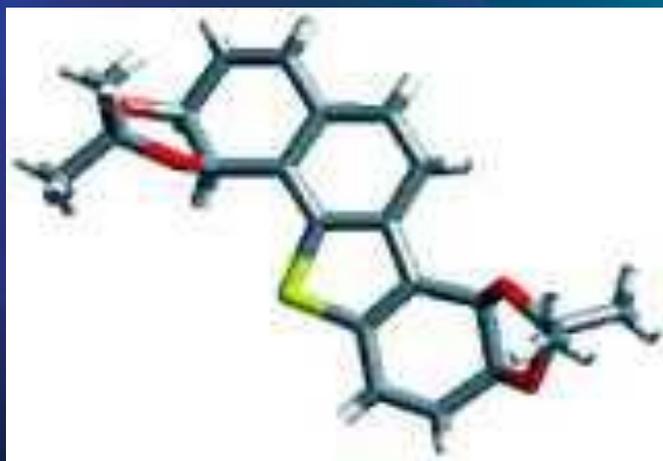




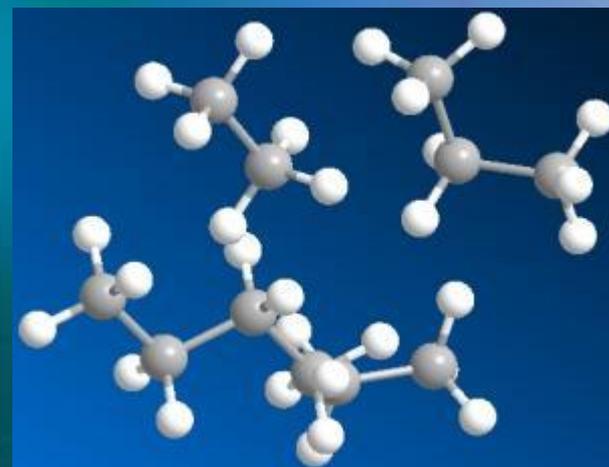
FUEL CATALYST

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What does Fitch do to Diesel Fuel?



Poly-nuclear Aromatic Molecule



Aliphatic Molecule

- Reduces the concentration of Aromatics
- Increases the concentration of Aliphatics
- Releases more inherent BTU heat energy



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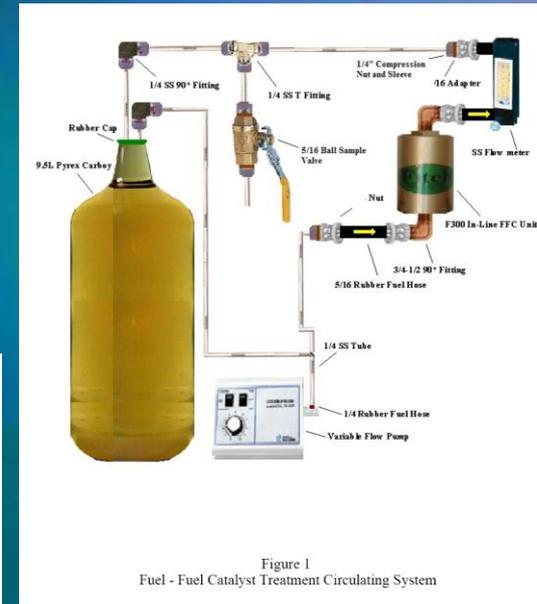
ASTM Test on Gasoline Treated w/Fitch

Both the untreated and treated fuel are within specification and suitable for commercial use.

The fuel treated by the fuel catalyst had superior characteristics compared to the untreated fuel in the following categories that relate to performance:

ASTM D5291 Ultimate Analysis Ratio of Hydrogen to Carbon

ASTM D2700 Motor Octane Number



The fuel treated by the fuel catalyst had superior characteristics compared to the untreated fuel in the following categories that relate to emissions:

ASTM D4814 Vapor / Liquid Ratio

EPA VOC Reduction Percentage

EPA TOX Reduction Percentage



FUEL CATALYST

FUEL TREATMENT

ASTM Test on Diesel Treated w/Fitch

Both the untreated and treated fuel are within specification and suitable for commercial use. The fuel treated by the fuel catalyst had superior characteristics compared to the untreated fuel in the following categories:

ASTM D5291 Ultimate Analysis Ratio of Hydrogen to Carbon

ASTM D613 Cetane Number

ASTM D6079 Lubricity

ASTM D86 Distillation Points

ASTM D6591 Polyaromatic Hydrocarbons

The fuel exposed to the Fitch Fuel Catalyst is preferable from the perspective of the consumer and would be our recommendation compared to the untreated fuel.



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Untreated & Fitch Treated Diesel



What happens to the fuel?

Fitch will kill the bacteria and micro-organisms, those “dead bodies” will float around but are usually broken up smaller than before the fuel was treated. Some may float to the top and others may sink to the bottom. When treated with Fitch, a much higher capacity of those “dead bodies” will actually burn during the combustion process.

The Fitch treated fuel will also clear up substantially because it will continue to suppress the bacteria/micro-organism growth while the untreated fuel will continue to grow infection/bacteria and multiply which is why a Fitch treated fuel looks so much clearer than the untreated.



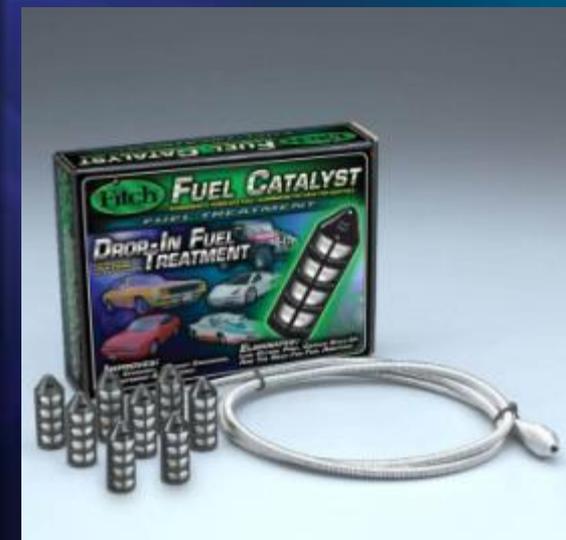
FUEL CATALYST

FUEL TREATMENT

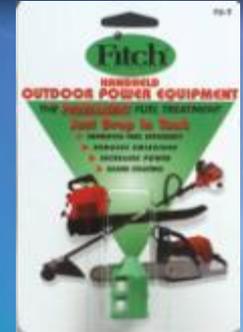


Bolt-on “DIY” Auto Application & Universal Kits

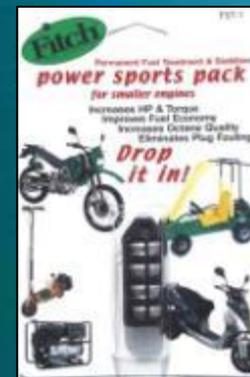
These kits include a Fitch In line unit, set of hoses and fittings to adapt to vehicle fuel line



Drop-in Tank Classic Car (pre-1980) Application Part# FFB08



Outdoor Power Drop ins Part #'s F2T & F4T



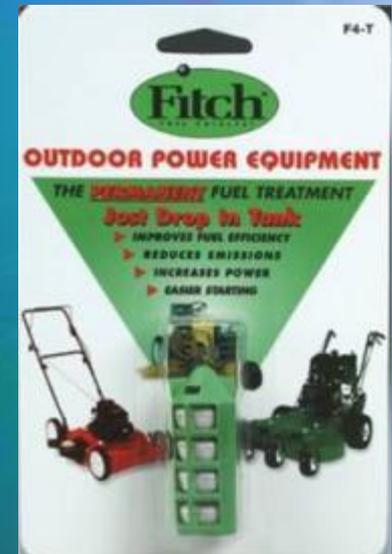
Recreational Vehicles Drop ins Part #'s F5T-1, F5T & F5TS



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Drop in Tank Applications Installation TIPS





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Installation Photos



Ford Mustang



Ford F150



FUEL CATALYST

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Installation Photos



6.0 Ford Powerstroke



6.6 GMC Duramax



FUEL CATALYST

FUEL TREATMENT

Installation Photos



Custom Hot Rod



Dodge Hemi



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Gasoline Engine Test – FTP 75

Laboratory Automotive Testing & Development Services Inc.

Engine: Chevy 350 cu in w/carburetor

Test Procedure: EPA Drive Cycle FTP75

Results: 34% Fuel Economy Increase

20% Emissions Reduction





FUEL CATALYST

FUEL TREATMENT

Diesel Engine Test – CVS 75

EPA Certified Lab – Vehicle & Engine Testing Services – Ronkonkoma

Engine: 2002 6.6 Liter Duramax GMC Diesel

Test Procedure: CVS 75 – Urban Drive Cycle of FTP 75

Results: 12% Fuel Economy Increase

21% Average Emissions Reduction





FUEL CATALYST

FUEL TREATMENT

Sport Truck – reported 2.5 MPG Improvement on a Chevy Suburban

December Pin-up 426 Horse Power • Improve Your MPG • Sneak Peek '02 Products

SPORT TRUCK
The Car, Truck, and SUV Performance Authority

Early Iron
Put the Brakes on Your '67-'72
Awesome Body-Dropped '67 Chevy

10 BEST SPORT TRUCKS OF 2001

Performance, Class, and Style for Your Truck
Tow-Testing Vortech's Blown V-10

Holley TBI Supercharger Install

U.S.A. \$4.95 (CAN. \$5.95)

Vertical text on the left: Cassidy V6 • Navigator • Big SUV Shootout • Texas Heat Wave

MPG Test

Fitch Fuel Catalyst

By Dan Sanchez

With fuel economy steadily rising and truck vehicles increasing in fuel consumption, it's time to look for ways to improve your fuel economy. One of us showed us 2001's top-selling supercharger and we knew the best way to do it was to use a high-quality fuel catalyst. We had to find a way to improve fuel economy, so we came across the Fitch Fuel Catalyst, a revolutionary Advanced Power System (APS) developed by John Fitch, whose own company, the Fitch Fuel Catalyst, manufactures and distributes APS products. The Fitch Fuel Catalyst is a revolutionary fuel catalyst that improves fuel economy by increasing the fuel's energy. The Fitch Fuel Catalyst is a revolutionary fuel catalyst that improves fuel economy by increasing the fuel's energy. The Fitch Fuel Catalyst is a revolutionary fuel catalyst that improves fuel economy by increasing the fuel's energy.

According to APS, the catalyst will increase the life of the vehicle and help you to drive more efficiently. The Fitch Fuel Catalyst is a revolutionary fuel catalyst that improves fuel economy by increasing the fuel's energy.

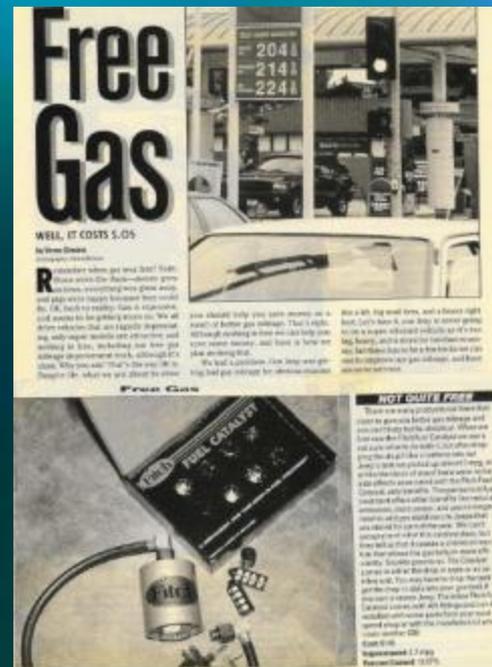
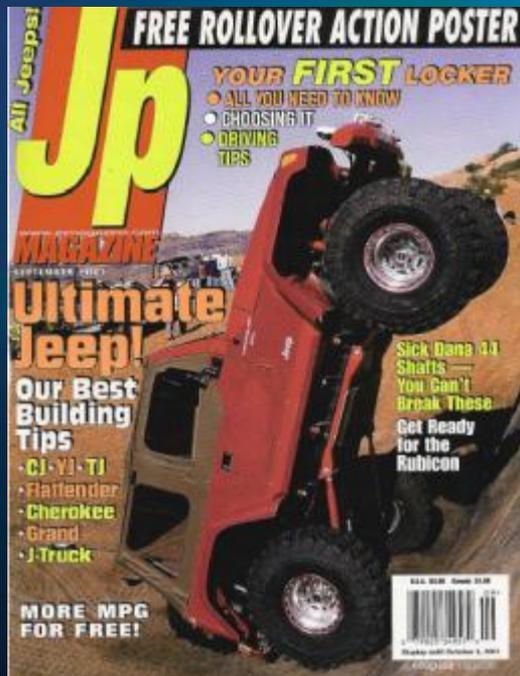
SOURCE:
Advanced Power Systems International
c/o AutoZone, Inc.
www.FITCHFUEL.com



FUEL CATALYST

FUEL TREATMENT

JP Magazine reported 2.7 MPG improvement on a Jeep which was just over 19% from baseline





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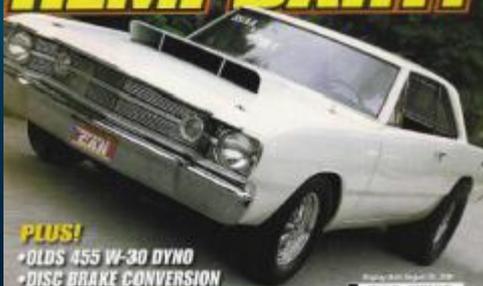
Muscle Car Review reported a 2.9 MPG improvement

NEW! 50 FASTEST FROM THE PURE STOCK DRAGS!

MUSCLE CAR REVIEW **RARE BIG-BLOCK! SS/RS 396**

BADDEST MOPAR ON THE PLANET

HEMI DART!



PLUS!

- OLDS 455 W-30 DYNO
- DISC BRAKE CONVERSION
- HOT NEW "STOCK" CAMS
- WIN AT THE SHOWS: 25 TIPS

INSIDE THE KILLER 428 COBRA JET

SPECIAL SECTION: New Technology for Musclecars

Supercar Performance Series

New Technology

New stuff to make your musclecar better



Advanced Piston Systems International, Inc.

1000 E. 17th Street, Suite 100
 Loveland, CO 80538
 (303) 442-4370
 (303) 442-3200
 Fax (303) 442-6344
 Email: info@supercar.com
 www.supercar.com

Billy Goat Avenger

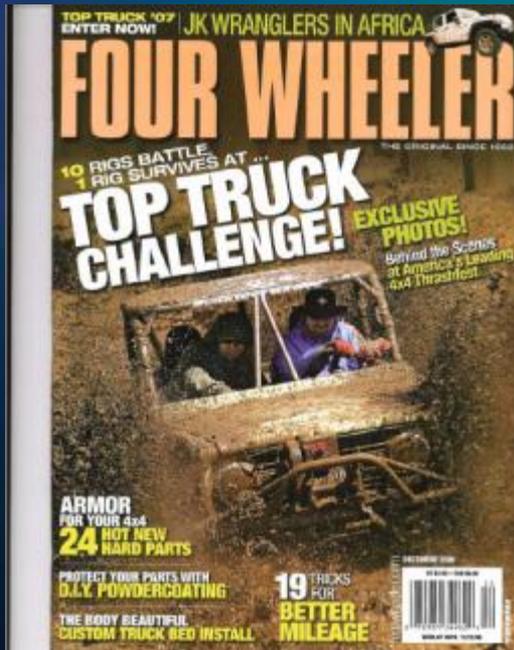
See on your block engine do it back at all. Rebuilding an engine can be a real pain. But with Billy Goat Avenger, you can rebuild your engine in just a few hours. Billy Goat Avenger is a complete engine rebuild kit that includes everything you need to rebuild your engine in just a few hours. Billy Goat Avenger is a complete engine rebuild kit that includes everything you need to rebuild your engine in just a few hours.



FUEL CATALYST

FUEL TREATMENT

Four Wheeler reported a 1.2 MPG improvement on Diesel Jeep Liberty



FOUR WHEELER

THE ORIGINAL SINCE 1947

TIPS & TRICKS TO BETTER FUEL ECONOMY

Does your fuel economy suffer?

Fitch Fuel Catalyst
Approximate Gains: 1 to 4% per gallon, depending on vehicle, driving conditions, and diesel-powered vehicles. What is it? The Fitch Fuel Catalyst is a maintenance-free device that easily installs in the fuel line, just like a fuel filter. That's the Fitch Fuel Catalyst before that reaches the combustion chamber. The Fitch Fuel Catalyst is a maintenance-free device that easily installs in the fuel line, just like a fuel filter. That's the Fitch Fuel Catalyst before that reaches the combustion chamber. The Fitch Fuel Catalyst is a maintenance-free device that easily installs in the fuel line, just like a fuel filter. That's the Fitch Fuel Catalyst before that reaches the combustion chamber.

Walker Fuel Sep
Approximate Gains: 3 to 4% per gallon (see above). Works on City- and diesel-powered vehicles. What is it? Walker Engineering Enterprises of San Francisco, California, basically leased the rights to the patented technology that Advanced Power Systems International developed for the Fitch Fuel Catalyst. In other words, the Walker Fuel Sep is the same as a Fitch Fuel Catalyst, just packaged them differently and with an emphasis on marine applications.

7th December 2006 FOUR WHEELER



FUEL CATALYST

FUEL TREATMENT

With fuel economy being first and foremost on the minds of most Americans, it's easy to be caught up in the bolt-on modifications that claim to get better fuel mileage. When we added the Fitch Fuel Catalyst to **Muscle Car Blog's Project "Pony Up"**, an 07 Ford Mustang GT, we found something that actually boosted our project vehicles average highway mileage from **24 to 27** miles per gallon, which is outstanding for a high performance muscle car.

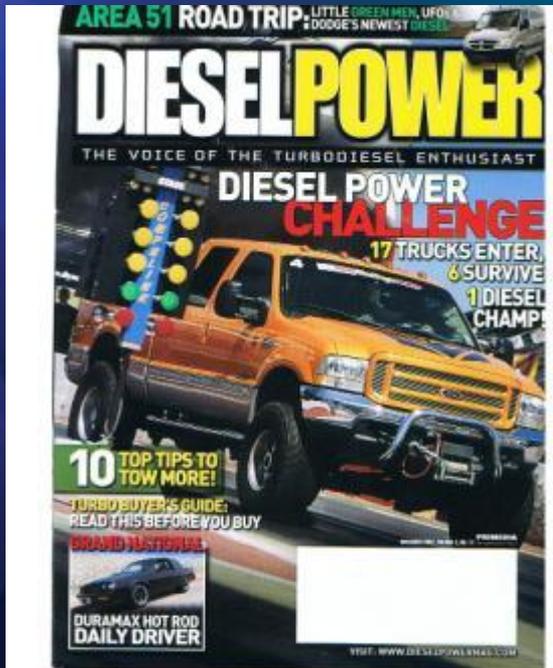




FUEL CATALYST

FUEL TREATMENT

Diesel Power – reported 1.15 MPG Improvement on a Dodge Cummins



DIESEL TECH

BOLT-ON FUEL ECONOMY

GAIN 5 TO 12 PERCENT AT THE PUMP—FOREVER!

Diesel is expensive, and it isn't getting any cheaper. Transport vehicles have averaged for years about 30 mpg and have gotten the gas for as high as \$3.50 per gallon, and it looks like it's headed higher. With this in mind, we took a look at the Bolt-On Fuel Catalyst, a device that's reported to increase mileage by 5 to 12 percent.

The Bolt-On Fuel Catalyst will add 1.15 mpg to your diesel truck's fuel economy. There's a catch: the device is made of metal, not plastic. The gas must enter the device's combustion chamber through the fuel filter, and the device must be installed in the fuel line before the engine.

The Bolt-On Fuel Catalyst is made of metal, not plastic, and it's not a gimmick. It's a real device that's been tested and proven to work. The Bolt-On Fuel Catalyst is made of metal, not plastic, and it's not a gimmick. It's a real device that's been tested and proven to work.

FOR MORE INFORMATION, VISIT US AT WWW.BOLT-ON-FUEL-CATALYST.COM

DIESEL TECH

BOLT-ON FUEL ECONOMY

and that's why you'll see results. We found that the Bolt-On Fuel Catalyst works. The people at Bolt-On Fuel Catalyst say that if they only a few weeks of Bolt-On Fuel Catalyst, you'll see a 5 to 12 percent increase in mpg. The Bolt-On Fuel Catalyst will add 1.15 mpg to your diesel truck's fuel economy. There's a catch: the device is made of metal, not plastic. The gas must enter the device's combustion chamber through the fuel filter, and the device must be installed in the fuel line before the engine.

OLD TRANSMISSION Older Cummins 6-cylinder	24.10 mpg
NEW TRANSMISSION New Cummins 6-cylinder	22.10 mpg
NEW TRANSMISSION New Cummins 6-cylinder	23.25 mpg

10 TOP TIPS TO TOW MORE!

TURBO BUYER'S GUIDE: READ THIS BEFORE YOU BUY

GRAND DODGE

DURAMAX HOT ROD DAILY DRIVER

WWW.BOLT-ON-FUEL-CATALYST.COM



FUEL CATALYST

FUEL TREATMENT

8 Lug Diesel Truck reported 1.5 MPG improvement on a Dodge Cummins & significant reduction of tailpipe soot and emissions

MAKE IT STOP BRAKE UPGRADE FOR TOWING

8-LUG DIESEL TRUCK

DIESEL ESSENTIALS

HOW TO INSTALL INTAKE EXHAUST TUNER LIFT

TRAIN HORNS FOR YOUR 8-LUG RIG
OFF-ROAD ADVENTURE
INTAKE SNORKEL BUILD

8-Lug 8-Valve for an increase of 100 to 120 hp is a lot of power. It's not just the engine that's doing the work, it's the transmission and the drivetrain. The 8-Lug 8-Valve is a 6-cylinder engine with a 100-hp rating. The 8-Lug 8-Valve is a 6-cylinder engine with a 100-hp rating. The 8-Lug 8-Valve is a 6-cylinder engine with a 100-hp rating.

1. The first step is to install the Fitch Fuel Catalyst. This is done by simply pouring the product into the fuel tank.
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FITCH FUEL CATALYST

HELP FOR SMALLER APPLICATIONS

The Fitch Fuel Catalyst also improves fuel economy and reduces emissions. This is done by simply pouring the product into the fuel tank.

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PRODUCT PROFILE:
Fitch Fuel Catalyst is a fuel additive that improves fuel economy and reduces emissions. It is made from natural ingredients and is safe for your engine.



FUEL CATALYST

FUEL TREATMENT

Fitch Benefits

- Insure Fuel Quality During Storage
- Increase Gasoline Octane & Diesel Cetane
- Improve Engine Performance (Horsepower & Torque)
- Improve Fuel Economy (1 – 2.5 mpg)
- Allows vehicles requiring mid-grade or premium octane fuel to use lower grade octane w/o sacrificing performance.
- Reduce Emissions (cleaner burn) – less oil changes
- Reduced maintenance
 - Lower soot content in the lubricating oil
 - Minimize injector and fuel system maintenance
 - Minimize exhaust system maintenance