

**Xentx<sup>®</sup>**  
**exTreme**  
**Treatments**



# Introduction

## Focus

- Retail (Cars, Trucks, and SUV's)
- Industrial/Commercial (Long Haul Truck Fleets, Large Earth Movers  
City Transit Systems, Stationary Generators)

## Status

- Transitioning from development to revenue

## Commitment

- "Best in Class"





# Products



100% Synthetic

Saves Gas Money

2 Treats Per Bottle

Reduces Wear

Improves Fuel Economy

Extends Maintenance



It diffuses into the metal, creating a protective slippery surface resistant to scuffing and galling. This process results in more power, increased mileage, and reduced wear.

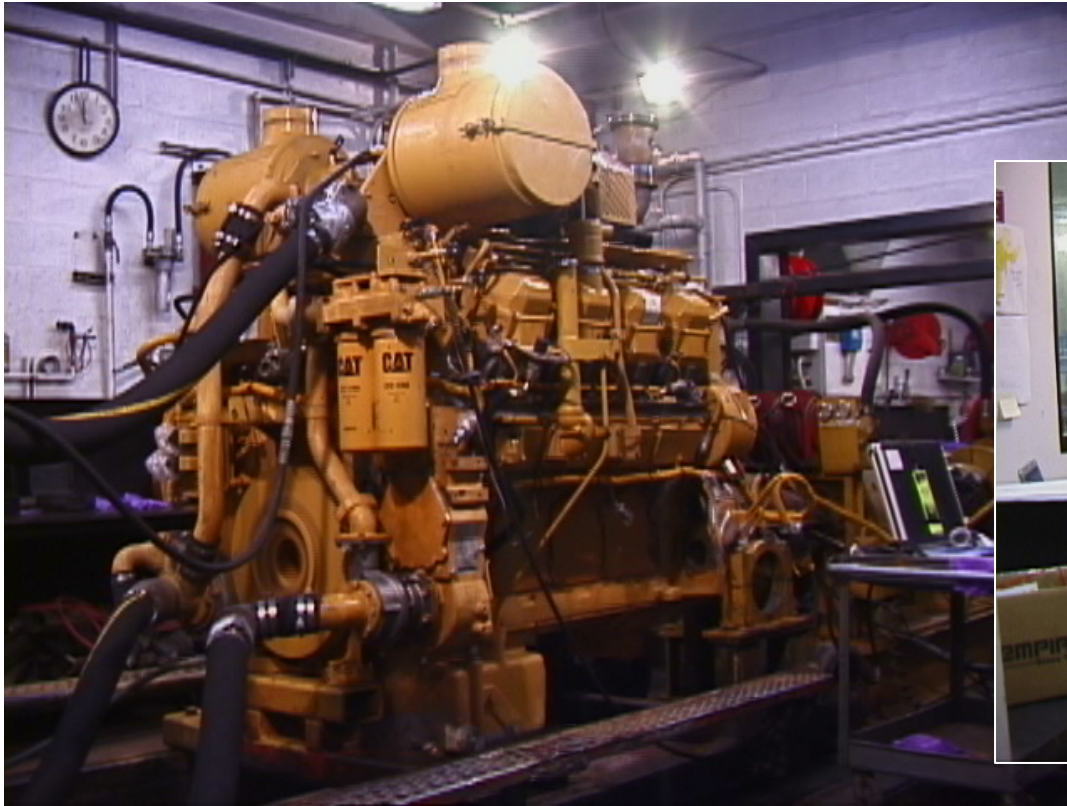




# Testing Data

## Fuel Economy

Engine DYNO Test by a certified Caterpillar dealer





# Testing Data

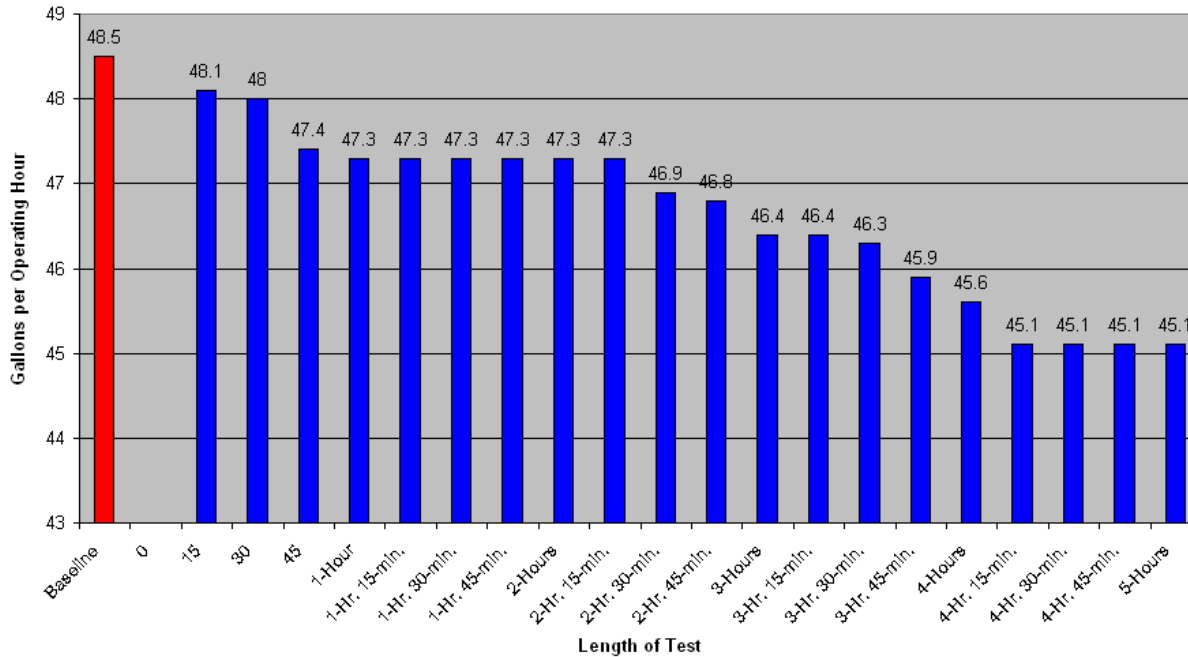
## Fuel Economy

Engine DYNO Test by a certified Caterpillar dealer

DYNO Test No. 4 - 2/10/2006

Data from the Engine ECM

"Minimum" Gallons per Hour Recorded by the Engine ECM during the Test Period



**Result =  
+ 7%  
Fuel Economy**



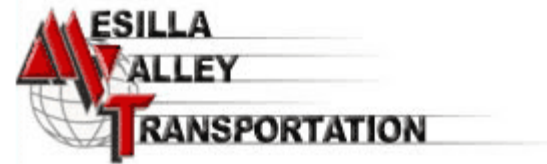
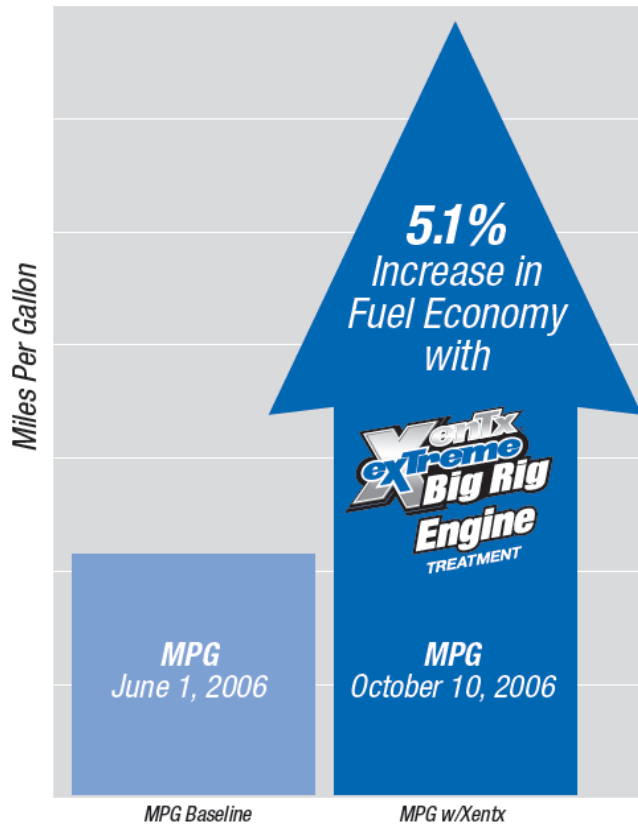


# Testing Data

## Fuel Economy

Field Test performed by Mesilla Valley Transportation

Mesilla Valley Transportation, El Paso Texas  
**Fuel Economy Report**



# Result = + 5.1% Fuel Economy





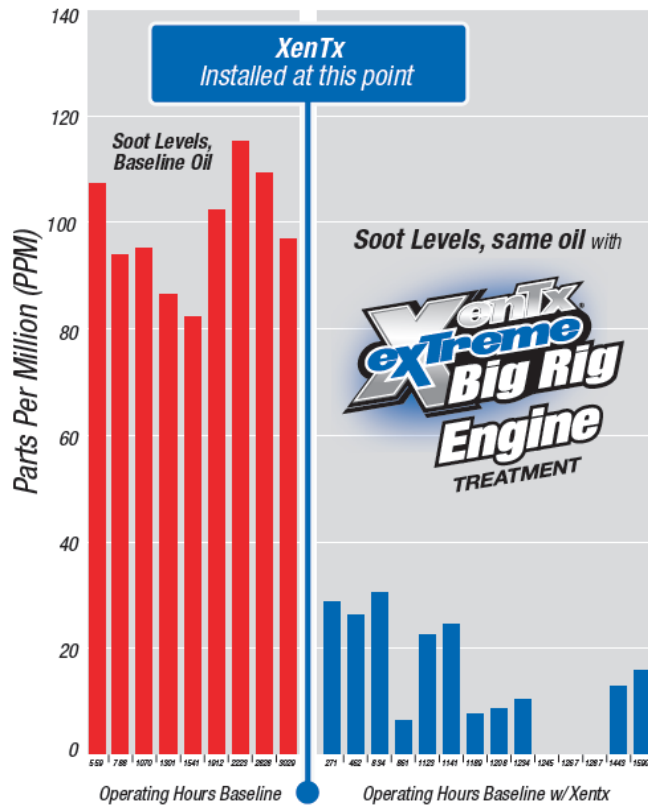
# Testing Data

## Soot Levels

Field Test performed by Southwestern Coal Mining Company

### Soot Level Field Test

by Southwestern Coal Mining Company



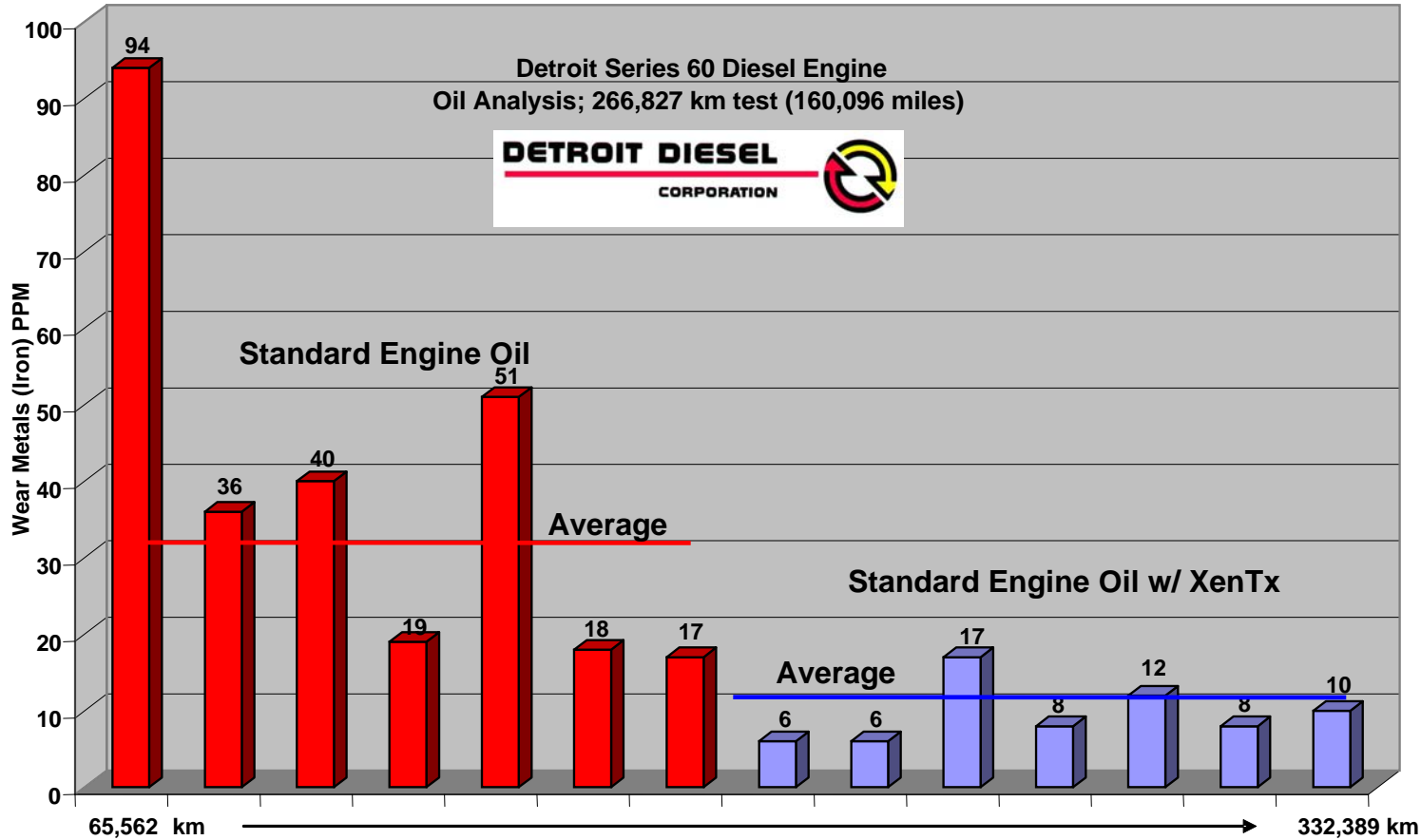
**Result = Decrease  
in Soot Levels**





# Testing Data

## Iron Wear Rates



Field Test performed by an Independent Owner/Operator

**Result = Decrease in Wear Metal**





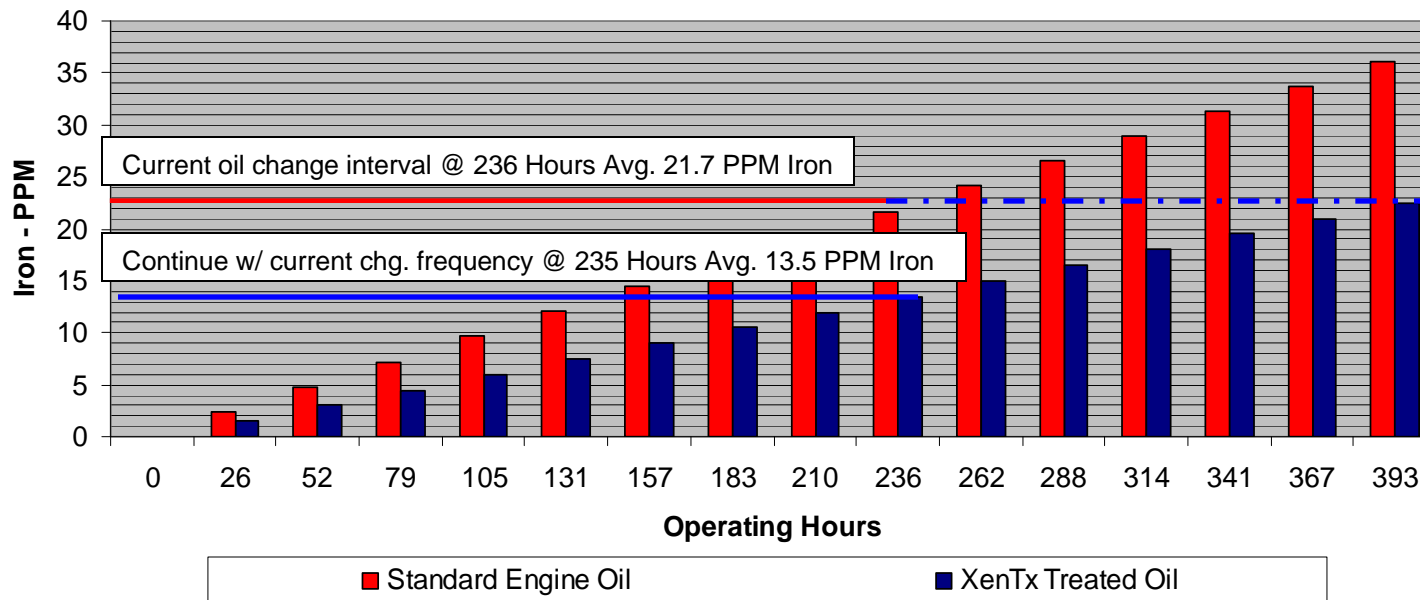
# Testing Data

## Oil & Filter Life

Field Test performed by Fed-Ex Ground

### Wear Metals Increase vs. Hours of Operation

Extend Oil Drain Interval w/ XenTx to 393 hrs.



**Result =  
Extended  
Maintenance  
Cycles**





# Testing Data

Test	Baseline	With XenTx	% Improvement
1. Fuel Economy (DYNO)	48.5 GPH	45.1 GPH	+ 7%
2. Fuel Economy (Field)	Contact Mesilla Valley Transportation for details		+ 5.1 %
3. Horsepower (DYNO)	393 Bhp	419 Bhp	+ 6.9%
4. Soot (Field)	98 PPM	14 PPM	+ 86.2 %
5. Wear (Field)	30 PPM	10 PPM	+ 66 %
6. Oil & Filter Life (Field)	236 Hours	393 Hours	+ 40%





# Products



- Increases Lubricity 35%
- Improves Mileage
- Improves Power
- Reduces Opacity
- EPA Registered
- Treats 250 Gallons

Its particles ignite inside the fuel during the burn, adding energy for a more thorough combustion. Complies with federal low sulfur content requirements for use in diesel motor vehicles and non-road engines.





# Lab Testing Data Fuel Economy

## J-1321 Performed by Southwest Research Institute (SWRI)

The result of the average percent improvement in fuel economy for the test segment with Clean Boost™ added to the diesel fuel compared to the baseline segment is given in Table 1.

Table 1 – Percent Improvement in Fuel Economy Compared to the Baseline

	Diesel Fuel	% Improvement in Fuel Economy		
		Test Truck 415568	Test Truck 415572	Avg. of 2 Test Trucks
Baseline Segment	Commercially available #2 diesel			
Test Segment	Commercially available #2 diesel fuel with Clean Boost™*	3.63%	2.49%	3.06%

\* Clean Boost™ was added to the diesel fuel as specified by the test sponsor in the test trucks and 1,500 miles were accumulated on each of the test trucks for conditioning prior to conducting the test segment.

# Result = + 3.06% Increase in Fuel Economy

SOUTHWEST RESEARCH INSTITUTE®  
6220 Culebra Road Post Office Drawer 28510  
San Antonio, Texas 78228-0510

AUTOMOTIVE PRODUCTS AND EMISSIONS RESEARCH DIVISION

SAE J1321 FUEL CONSUMPTION TEST EVALUATION  
OF A DIESEL FUEL ADDITIVE PRODUCT

Prepared by  
Brent A. Shoffner

FINAL REPORT  
SwRI Project 08 10587

Prepared for  
White Sands, LLC  
Sandy, Utah

May 21, 2004

Approved by:

Larry A. Eckhardt  
Manager  
Fleet and Field Evaluations Section





# Lab Testing Data Lubricity Test

ASTM D-6079 Performed by Southwest Research Institute (SWRI)

SOUTHWEST RESEARCH INSTITUTE®  
6220 CULEBRA ROAD • POST OFFICE DRAWER 28510 • SAN ANTONIO, TEXAS, USA 78228-0510 • (210) 534-9111 • WWW.SWRI.ORG  
[HTTP://WWW.SWRI.ORG/VEHICLE\\_RESEARCH](http://www.swri.edu/vehicle_research)  
ENGINE, EMISSIONS, AND VEHICLE RESEARCH DIVISION ISO 9001 CERTIFIED  
FAX: (210) 522-3950 250 14661 Certified

October 20, 2006

Mr. Bret Christiansen  
EMTA/White Sands LLC  
7430 E. Butherus Dr.  
Suite C  
Scottsdale, AZ 85260

Dear Bret:

The purpose of this letter is to send you data from a single test ran on a 2007 ultra-low sulfur (less than 15 ppm sulfur) certification diesel fuel that was treated with your XenTx Extreme diesel fuel treatment and CleanBoost®. This fuel was treated at a rate of 1:2000. The certificate of analysis from Halterman indicates a wear scar diameter of 0.590 mm by ASTM 6079 for the untreated fuel. When treated, the wear scar diameter was measured at 0.330 mm. It is important to note that this performance may vary from fuel to fuel, but your additive produced a significant improvement in the lubricity for a 2007 ultra-low sulfur diesel fuel. If you have any questions, I can be reached by phone at (210) 522-2653, by FAX at (210) 522-3950, by cell at (210) 467-8964, or by e-mail at RFanick@swri.edu. Thank you for the opportunity to serve you.

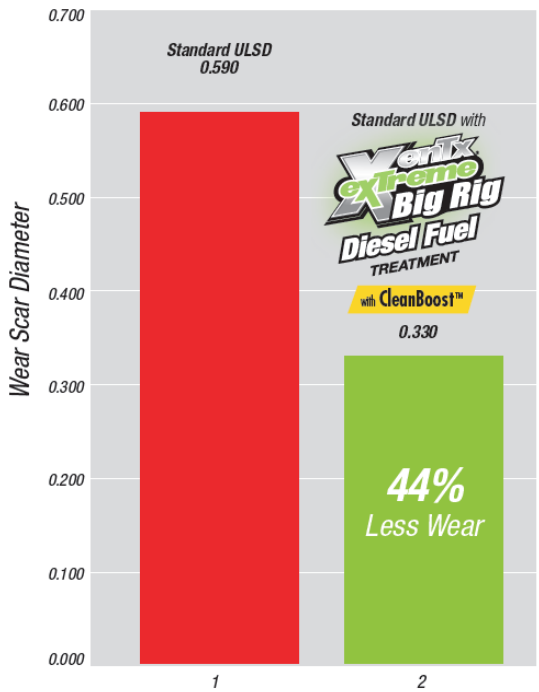
Sincerely,

E. Robert Fanick  
Group Leader  
Department of Engines and Emissions Research  
Engines, Emissions, and Vehicle Research  
Division  
Office of Automotive Engineering



SAN ANTONIO, TEXAS  
HOUSTON, TEXAS • WASHINGTON, DC • ANN ARBOR, MI

## Diesel Fuel Lubricity Test ASTM D-6079



# Result = + 44% Increased Lubricity





# Lab Testing Data

Performed by Southwest Research Institute (SWRI)

Test	Standard ULSD Fuel	Standard USLD Fuel w/ XenTx	% Improvement
Fuel Economy, BSFE	.390 g/bhp-h	.380 g/bhp-h	+ 2.60%
Fuel Economy, J-1321	On-highway test performed by SWRI		+ 3.06%
Lubricity, ASTM D-6079	.590 mm	.330 mm	+ 44%
Power, BTU/lb.	18,429	18,982	+ 3 %
NOx Emissions (Bio-diesel)	4.900 g/bhp-h	4.620 g/bhp-h	- 5.7%
PM Emissions	.225 g/bhp-h	.199 g/bhp-h	- 11.6%





# Products



Its particles ignite inside the fuel during the burn, adding energy for a more thorough combustion. Complies with federal low sulfur content requirements and is EPA Certified to meet the low emissions standards of Texas and California.

- Improves Fuel Economy
- Reduces Emissions
- Increases Cetane
- EPA Verified



*Required treatment rate is one gallon of CleanBoost-LE to 435 gallons of diesel fuel.*





# Benefits

## Testing Summary



• NOx Reduction	<b>7.6%</b>
• Fuel Economy Improved	<b>1.3%</b>
• HC Reduction	<b>30.5%</b>
• CO Reduction	<b>3.3%</b>
• CO <sub>2</sub> Reduction	<b>0.5%</b>
• Cetane Increase	<b>6-8 Points</b>

CleanBoost-LE can be injected directly into the diesel fuel at refineries, terminals, or storage tanks using standard equipment with no special storage or handling requirements.





# Benefits

## Economic Benefits

### 5 year old SUV

- 15 miles / gallon
- 15,000 miles / year
- 1,000 gallons / year
- \$2.25 / gallon
- \$2, 250.00 / year



### XenTx

- MSRP \$17.95
- 8% improvement in fuel efficiency
- Savings of \$180.00 / year
- Net savings of \$162.05 / year
- Fuel savings of 80 gallons / year





# Sample 18 Wheeler Truck (3.12.09)



*Both*

Fuel Cost	\$2.40/gal.		\$2.40/gal.		\$2.40/gal.
Product Cost	<u>.01/gal.</u>	+	<u>\$.02/gal.</u>	=	<u>\$.03/gal.</u>
Total Cost Fuel & Additives	\$2.41/gal.		\$2.42/gal.		\$2.43/gal.
Fuel Savings	<u>\$.12/gal.</u>		<u>\$.07/gal.</u>		<u>\$+.19/gal.</u>
Net Fuel Cost	\$2.29/gal.		\$2.35/gal.		<u>\$2.24/gal.</u>

---

Annual Savings on 120,000 miles	\$2,106.80/yr.		\$1,292.50/yr.		<del>\$3,399.30/yr.</del>
Annual Savings; Gallons of fuel	920 gal./yr.		550 gal./yr.		1470 gal./yr.





# Promotions

## In-Store



- We will provide bottles of Engine Treatment to selected stores for employees use in personal vehicles.
- Counterpersons can then say they use XenTx and know it works.
- XenTx will supply "Sell Sheets" to store counterpersons to explain the short version of exactly what XenTx does.
- Involvement in circulars by offering store coupons, free Spray Lube, or free Trans Treat with a purchase as added incentive.
- Display in oil area as clip strip tagged with incentives.
- Other off-shelf placement as manager's specials.





**XenTx:**

**A revolution in lubrication  
reducing Green House  
gases!**

