



***Distributor of the
Emissions Technology
Combustion Catalyst System***



A Revolution in Combustion Technology

Combustion Catalyst System Benefits

- Reduces emissions
- Extends engine life
- Can extend maintenance cycles
- 5 to 20% fuel savings
- Self funding
- Complements other technology



Pre-Combustion Catalytic System

- Reduces PM, HC, CO and NOx while improving engine performance
- Burns out pre-existing carbon deposits, thereby reducing friction



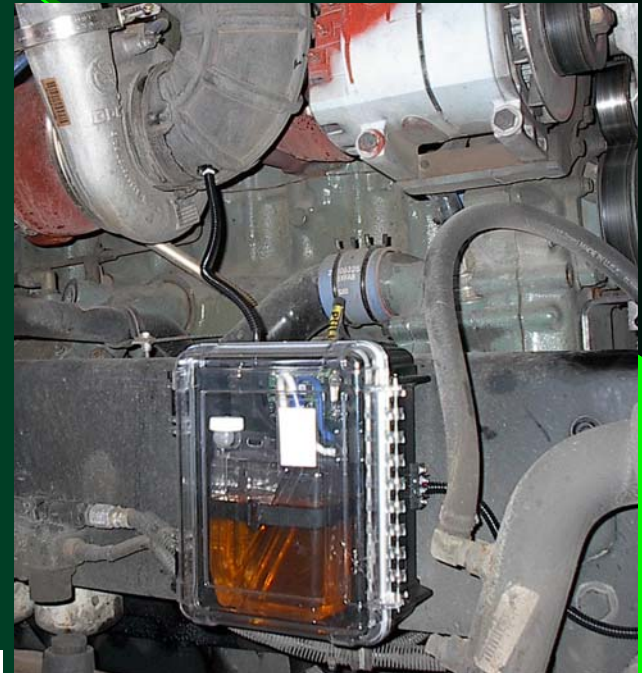
Applications

- Trucks
- Buses
- Mining & Heavy Equipment
- Generators
- Marine
- Any Diesel Engine



Combustion Catalyst System

- Delivers catalyst in an aerosol form directly into the intake airstream to improve combustion
- Catalyst acts on oxygen in compression stroke
- Accelerates the chemical reaction for combustion



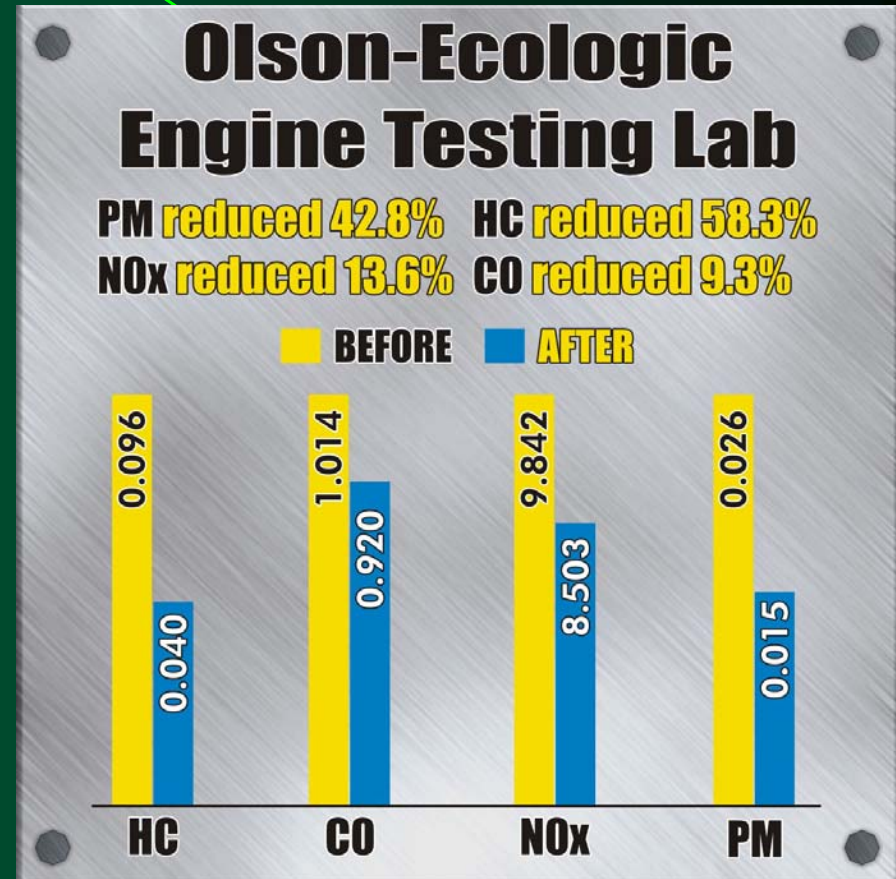
Aerosol Technology

- Patented mixture of Pt, Rh & Re
- Catalyst enhances combustion process
- Lower emissions of PM, HC, CO
- Lower exhaust temperature results in lower NOx
- Burns out pre-existing carbon deposits, thereby reducing friction
- No adverse effects on equipment
- No warranty issues



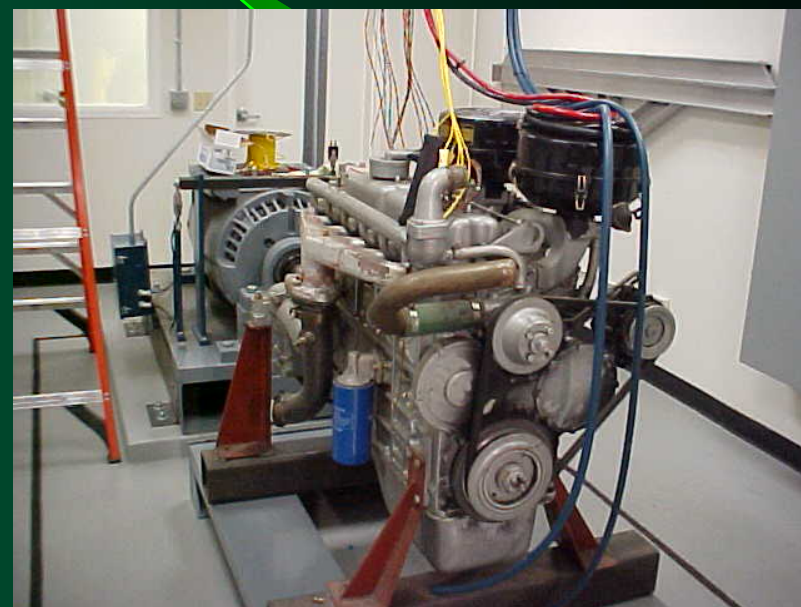
Test Results

- CARB & EPA recognized testing facility
- Detroit Diesel DDC-50
- ISO-8178 test protocol



Olson Eco-Logic Lab Test

- PM reduced 42.8%
- NOx reduced 13.8%
- HC reduced 58.3%
- CO reduced 9.3%



Level 2 PM verification applied for



NOx Measurement Summary

Location	Year	Equipment	Initial ppm	Final ppm	% Reduction
Bakersfield, CA		DDC 60	600	261	64
Phoenix, AZ	1978	D399/16cyl	1030	880	15
New Mexico	2001	Cat 3412	575	460	20



Engine Impact

- Exhaust Temperatures Reduced up to 200 Degrees
- Oil Stays Cleaner – Lower soot and metal contamination
- Reduces Pre-existing Carbon inside the engine
- Reduces Vibration/Torsion
- Can have 10 to 20% Reduced Oil Usage



SAE J1321 Fuel Test

2005 Kenworth #208

Cummins ISM w/ 335 hp



- Fuel Consumption before4.13 mpg
- Fuel Consumption after4.60 mpg
- Percent Fuel Savings.....11.3%
- Fuel Saved in 400 Hours.....203 Gallons
- Approx. Annual NET Savings.....**\$1,550**



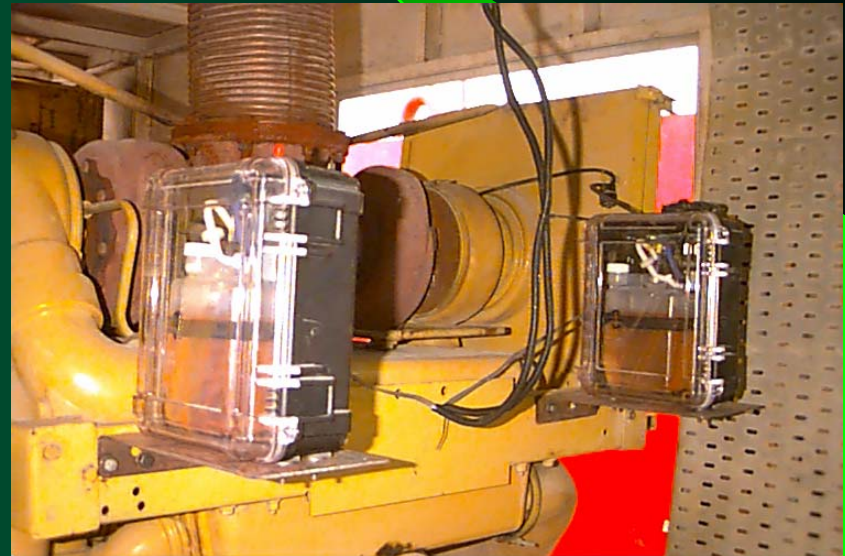
Schlumberger – Reynosa, MX

CAT D398TA 912HP Genset

20 – 25% reduction in fuel
Consumption

Emissions Reductions:

CO	– 40%
HC	– 73%
Opacity	– 11%



Savings

Location	Application	Equipment	Engine	MPG Before	MPG After	MPG Reduction	GPH % Reduction
Phoenix, AZ	Truck	Cement Train	DD Series 60	5	5.6	0.6	12.0%

Gallons per hour (assumes 45 mph)	9.00
Cost per Gallon	\$ 2.00
Dollars per Hour	\$ 18.00
Savings	12.0%
Savings - Dollars per hour	\$ 2.16
Approx. Cost of Catalyst/Hour	\$ 0.50
Net Savings Per Hour	\$ 1.66
Hours per bottle	400
Net Savings per 400 hour bottle	\$ 665
Cost of DC-100	1 \$ 699.00
Savings - Dollars per hour	\$ 1.66
Breakeven Hours:	420



Installation

- Average installation time 2 hours
- Simple mounting & location flexibility
- Ready-fit bottles for easy catalyst replacement every 400 hours

