

Testing

Over the last decade, the Rentar Fuel Catalyst has been tested by some of the leading EPA- and CARB-(California Air Resources Board) recognized laboratories and research institutes around the world. It has consistently proven to substantially improve fuel consumption and reduce harmful emissions on various makes and models of engines.



Lab Test Reviews • Testing

VOLVO 10,000 C.C. DIESEL ENGINE

Tested by researchers at the Millbrook Proving Ground in Bedford, England, the Rentar Fuel Catalyst saw a 7.38 improvement in fuel consumption on a Volvo FL 10 tractor.

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MITSUBISHI MODEL NO. FH -215

(Spanish) At Pepsi-Cola's facilities in Venezuela, the Rentar Fuel Catalyst was tested on a Mitsubishi truck and realized a 45 percent reduction in opacity, as well as significant reductions in...

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CATERPILLAR AND VOLVO OFF-ROAD EMISSION STUDY

In a test designed to see how the Rentar Fuel Catalyst performed on Caterpillar loaders, bulldozers and excavators in working conditions, researchers found significant fuel savings and contaminant...

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VOLVO L-120 AND VOLVO L-190

Placed on two popular front-end loaders (the Volvo L-120 and the Volvo L-90), the Rentar Fuel Catalyst showed reductions of over 50 percent in particulate matter, and over 40 percent in CO, NOx and...

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CUMMINS N-14 DIESEL ENGINE – SULFATE ANALYSIS

Tested using EPA guidelines on a Cummins N-14 diesel engine with over a million miles on it, the Rentar Fuel Catalyst showed up to a 22 percent reduction in sulfate under various conditions.

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CUMMINS N-14 DIESEL ENGINE – DIOXINS AND FURANS

The Rentar Fuel Catalyst was tested under plans and protocols developed by the California Air Resources Board (CARB) to determine if toxic metals were still present in fuel after going through the...

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CUMMINS MODEL 855 DIESEL ENGINE – VOLATILE ORGANICS

Tested on a Model 855 Cummins diesel engine under warmed-up, steady state conditions, the Rentar Fuel Catalyst reduced volatile organics in exhaust significantly: Benzene (35.4%), Toluene (36.1%)...

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CUMMINS MODEL N-14 DIESEL ENGINE – CARBON PARTICULATE

In another test of the Rentar Fuel Catalyst on a Cummins N-14 engine in simulated work conditions, the device reduced carbon emissions by 19 percent after 100 hours, with OC (Organic Carbon) and EC...

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CUMMINS MODEL N-14 DIESEL ENGINE – PETERBUILT TRACTOR

A Cummins model N-14 diesel engine powered Peterbuilt tractor with more than a million miles on it was tested with the Rentar Fuel Catalyst. Over various conditions and in different modes, the Rentar...

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*Diesel engine
turbocharged / for
ISM series*

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CUMMINS ISM 330 ENGINE

Applied to a Cummins ISM 330 Diesel Engine on a Penske tractor built by International, the Rentar Fuel Catalyst improved mileage by 5 percent, and reduced HC and CO emissions by 14 percent and 19...

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CUMMINS KTA-3067-M ENGINE AND CONVOY ON VARIOUS NAVY...

In 1997, the U.S. Navy placed the Rentar Fuel Catalyst on a starboard main engine of the USS Independence. On a voyage from Pearl Harbor, Hawaii, to California, the Rentar was compared with the port...

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U.S. MARINE CORP – CONVOY ON VARIOUS VEHICLE ENGINES

Tested under high stress conditions by the U.S. Marine Corps, the Rentar Fuel Catalyst showed “very good reductions in opacity and emission odors, as well as showing a significant increase in...

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Field Test Reviews • Testing

Transmilenia Bus Company – Bogota, Colombia

A fleet of 16 Mercedes Benz buses were tested with the Rentar Fuel Catalyst by the Transmilenia Bus Company in Bogota, Colombia. The Rentar improved fuel consumption by an average of 3.59 percent...

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DP World

DP World, which oversees marine terminals in the Dominican Republic, tested the Rentar Fuel Catalyst on one of its generators powered by a Cat 3412 engine.

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CR England

In Salt Lake City, Utah, the Rentar Fuel Catalyst was tested on a fleet of 10 new Freightliner trucks powered by Detroit series 60 engines.

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Field Test Reviews • Testing

The Rogers Group

The Rogers Group tested the Rentar Fuel Catalyst on 18 pieces of off-road equipment including haul trucks, wheel loaders and generators.

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The New York City Department of Environmental Protection

The New York City Department of Environmental Protection measured the performance of the Rentar Fuel Catalyst on five vehicles in 2003. On average, CO was reduced by 30 percent while CO2 fell 47...

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The New York City Metropolitan Transit Authority

The New York City Metropolitan Transit Authority tested the Rentar Fuel Catalyst on several vehicles to measure emissions. Opacity was reduced by an average of 49 percent on three trucks. On a train...

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The Nashoba Regional School District

The Nashoba Regional School District put the Rentar Fuel Catalyst on one of its furnaces with amazing results. In tests conducted in 2006 and 2007, the device gave them an average fuel improvement of...

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LaFarge

LaFarge, one of the world's leading construction equipment companies, put the Rentar Fuel Catalyst on two different types of off-road vehicles – a Caterpillar Wheel Loader and a Caterpillar...

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The City of Jonesboro, Arkansas

The City of Jonesboro, Arkansas, put the Rentar Fuel Catalyst on ten of its city vehicles powered by Caterpillar, Mack and Nissan engines. They saw an average fuel improvement of 6.74 percent across...

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Medic One

Medic One, a leading ambulance service, tested the Rentar Fuel Catalyst on three of its vehicles equipped with both Ford and Chevrolet engines. They found a 4.6 percent fuel consumption improvement...

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NAVISTAR INTERNATIONAL MODEL NO. C170C ENGINE

In 2004, the US Army Aberdeen Test Center put the Rentar Fuel Catalyst on a 1993 4x4 cargo truck used by the US Marine Corps. Operation with the Rentar "considerably enhanced performance," one...

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CATERPILLAR 3116TA MARINE ENGINE

The Rentar Fuel Catalyst does well both on land and at sea. Tested on the Karen N, a 1996 Patriot Marine 40x14-foot boat used by the Chesapeake Bay Foundation, the Rentar improved fuel burn on...

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COMMERCIAL BOILER FIRING NUMBER 2 HEATING OIL

Tested on a hot water furnace burning No. 2 oil, the Rentar Fuel Catalyst effectively reduced NO_x, CO and THC, according to this study by a professor at Virginia Tech University. It also improved...

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CUMMINS N14-370E HEAVY-DUTY ENGINE

Applied to a 1993 Cummins heavy-duty diesel engine using low-sulfur fuel, the Rentar® Fuel Catalyst improved fuel consumption by 2 percent, and decreased NO_x, CO, and CO₂ emissions by up to 3.5...

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CUMMINS MODEL 855 DIESEL ENGINE

Tested extensively in California, the most restrictive state in the nation for diesel fuel engines on heavy transportation equipment, the Rentar Fuel Catalyst has consistently showed significant...

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TOYOTA CAT C-12 DIESEL ENGINE

Toyota tested the Rentar® Fuel Catalyst on 5 Penske heavy-duty truck tractors in various conditions in California. Fuel consumption improved by an average of 11.3 percent while CO and CO2 emissions...

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Whipsaw Sport Fishing

Whipsaw Sport Fishing of Honolulu, Hawaii, tested the Rentar Fuel Catalyst on a Caterpillar diesel engine powering a 35-foot Cabo Flybridge Sportfish Boat in 2013 and saw a 16.64 percent improvement...

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Arriva Transportation Ltd

Arriva, a company that operates fleets of commuter buses and trains in Portugal, tested the Rentar Fuel Catalyst on 10 of its Mercedes buses, found that the device would nearly pay for itself the...

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