

Commercial Fishing Boat And Tugboat Applications



Reduces Fuel Consumption and Extends Range



Energy and Emission Solutions



Rentar Fuel Catalyst is Independently Verified to:



- Reduce Fuel Consumption And Extend Range 4.0% To 12.0%
- Extend Range per Gallon
- Reduce Greenhouse Gases (NOx, CO and CO₂) Up To 19.2%
- Reduce Particulate Matter (PM) Up To 58.2%
- Reduce Black Smoke (Opacity) Up To 44.8%
- Extend Engine Life Between Engine Rebuilds 20%
- Reduce Organic And Elemental Carbon Up To 35.0%
- Reduce Volatile Organics up to 63.0%

Results vary based on the applications, type of engine and type of fuel utilized

Proven Benefits of the Rentar Fuel Catalyst to Commercial Fishing Boats

- Reduced Fuel Consumption
- Increased Range
- Reduced Greenhouse Gas Emission
- Reduced Exhaust Smoke and Soot
- Extends Engine Life
- Extends Oil Life
- Reduces Engine Maintenance
- 10Year Warranty
- Easy to Install
- Sole Source Technology with 33 Issued Patents
- Pays for Itself in Fuel Savings in 3 to 12 Months




Commercial Fishing Boats And Tugboats

Reduce Fuel Consumption and Extend Range



Extend Engine Life 20% Between Rebuilds

Testimonial Letters



Date: 02/05/2012


To whom so ever it may concern

This is to certify that HBL -Rentar Fuel Catalyst having following specifications have been installed at Tata Motors Ltd., Lucknow plant

Sr No.	Model No.	Qty	Mounted on Equipment
1	HBEN 2012	02 Nos.	1010 KVA Cummins DG
2	HBEN 2012	02 Nos.	1010 KVA Cummins DG

Since the installation, Fuel catalysts are performing to our satisfaction at above mentioned DG sets. We are pleased to confirm that we have achieved saving of 15.57% on specific fuel consumption.

For M/s. Tata Motors Ltd.


S. M. Singh
DGM – Plant Services

TATA MOTORS LIMITED
Chhat Industrial Area Lucknow 226 019
Tel: 91 522 2818012-2818033-2818037 Fax: 91 522 2818246
Registered Office: Sunbay House 24 Homi Modi Street Mumbai 400 001



Mahindra & Mahindra Ltd
Agri Development Centre
Tractor Division
Kichha Road, Lalpur (Rudrapur)
Dist. Uttam Singh Nagar - 203143
Tel : 91-5944- 28723 / 25
Fax: 91-5944-28724

Ref no: MBM/RDP/HBL/1204/24 Date: 24th April' 12

TO WHOM SO EVER IT MAY CONCERN

This is to certify that HBL RENTAR fuel catalyst has been installed on our generators and boiler applications.

The performance of HBL RENTAR Fuel Catalyst has been good and about 6% HSD saving achieved.

We appreciate the green energy efforts of M/S HBL Power System LTD. towards reducing the fuel consumption and carbon emission.




Registered Office: Gateway Building Apollo Bunder, Mumbai-400001.
Phone:2202 1051 Fax : (022) 2202 8780 / 8990

YAMANAGOLD | **15 ANOS**

March 21st 2019

We at Mineração Maracá Indústria e Comércio, a YAMANAGOLD job site, have successfully piloted the Rentar fuel catalyst model HBEN 2012 on our CAT 785C haul trucks with results that surpassed our objectives for fuel efficiency with a payback of less than a year. As a result, we have purchased the Rentar fuel catalyst for installation on our fleet.

We are pleased with the support from SOTREQ, our Rentar dealer, and from the direct relationship with the manufacturer itself. We are also pleased with the trouble-free performance of the catalysts, to date.

We are looking forward to our continued use of the Rentar fuel catalysts.




Fabio Gonçalves
Maintenance Coordinator
Tel: +55 62 3383-4049

YAMANAGOLD | **15 ANOS**

Mineração Maracá Indústria e Comércio
Rodovia GO 347 s/n – Fazenda Genesepo
Alto Horizonte GO – Brasil
76560-000
<http://www.yamano.com>

Charter Fishing Boat

Fuel Consumption Reduced 16.64%

The charter fishing boat “WhipSaw” operates in Ko’Olina Hawaii and installed the Rentar Fuel Catalyst on their two engines. The results as documented in a published report recorded an overall 16.64% improvement in fuel consumption. In addition, the opacity (black smoke) was cleared up so significantly that cleaning to the boat’s transom was reduced from every trip to no more than once per week.



Automotive Research Association of India

is co-operative industrial research association by the automotive industry with the Ministry of Industries, Government Of India



Testing Conducted on 6SL8800TA 200 KW Kirloskar 250 Genset Engine

Tested with ISO: 8178 D2 - 5 Mode Test Protocol

3.04% Fuel Improvement

58.2% Reduction of Particulate Matter

7.9% NO_x Reduction

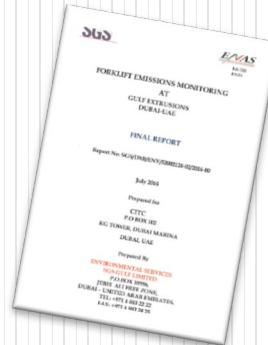
35.4% CO Reduction

15.4% Hydrocarbon Reduction

See Test Study



World's Largest Inspection and Technology Verification Company



SGS Verifies a 17% Fuel Reduction*,
a 27.5% Reduction of NO_x
and 32.5% Reduction of CO.

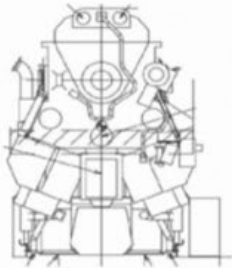
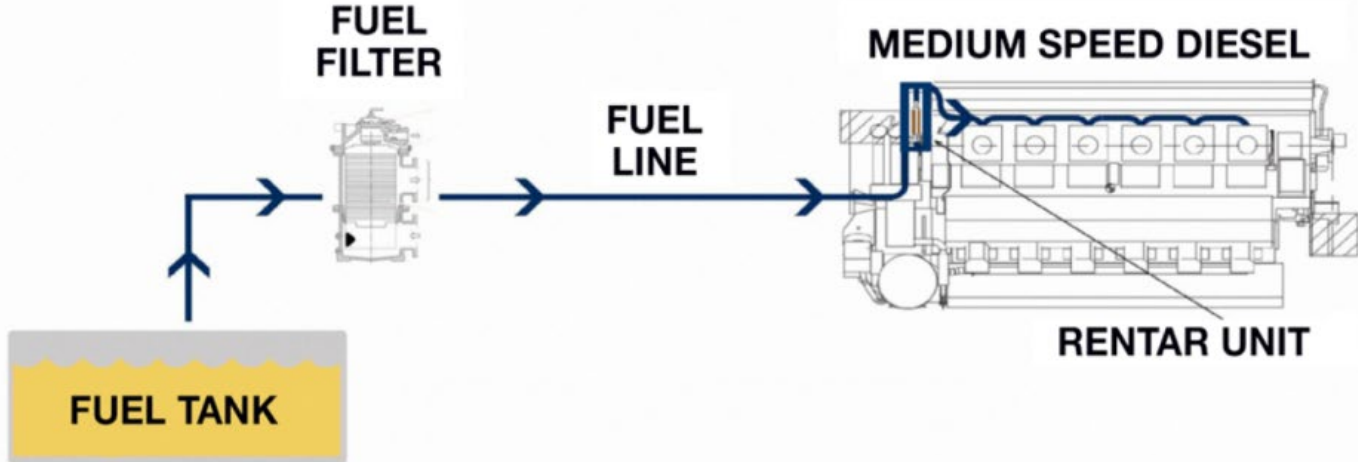


- Over 97,000 employees
- Over 2,600 offices and laboratories worldwide
- Conducted an emissions study on the Rentar fuel catalyst in 2016
- World's largest inspection and technology verification company

* Computed by Carbon Balance



Simple Installation



Credentials



World's 4th Largest Caterpillar Dealer
A Rentar Distributor
400 Offices - 4300 Employees



February 26, 2010 Reference No. A-2010-003

Mr. Brian Gibson
Rentar Environmental Solutions, Inc.
10220 Parker Road
West Park Plaza, CA, 92646

Dear Mr. Gibson:
This is in response to your request for exemption of Rentar Environmental Solutions, Inc.'s Rentar Fuel Cell Catalyst from the provisions in Section 37168 of the California Vehicle Code.

Enclosed please find Executive Order E-156-17 granting your request, which is a modification of the Vehicle Code, Chapter 37168, and shall remain in effect until the end of the calendar year 2012. Please note the California Code number which must be present on the new emission labels and affixed on the vehicle.

No changes are permitted to the design as described in the enclosed Executive Order. Any changes to the design, specifications, components, etc., must be evaluated and approved by the Air Resources Board. No claim of any kind, such as "Approved by the Air Resources Board" or "California emissions," may be made with regard to the action herein taken in any advertising or other oral or written communication.

If you have any questions, please contact the New Car Registration Administration, California Resources Board, at 916-227-5888.

Sincerely,
Christine Hebert
Christine Hebert, Chief
Mobile Source Operations Division
Executive

California Environmental Protection Agency
California Resources Board

**California Resource Board
Executive Order (CARB)**

Rentar Case Studies

CASE STUDY



COVANTA ENERGY

Covanta Holding Corporation (NYSE: CVA) is an international owner and operator of Energy-from-Waste power generation projects converting municipal solid waste into renewable energy for numerous communities throughout the United States. 2009 consolidated operating revenues were \$1.55 billion with \$397 million in operating cash flow and adjusted EBITDA of \$515 million.



Installed Rentar Fuel Catalyst on entire fleet of heavy-duty diesel vehicles at 28 plants around the United States.

- 5% reduction in fuel consumption.
- 43.6% reduction in CO2 emissions.
- 75.9% reduction in CO.
- 47.7% reduction in NOx
- 52.6% reduction in particulate matter.

CASE STUDY



U.S. ARMY

Located in Hartford County, Maryland on 79,000 acres with research capabilities in Automotive; Environmental Effects & Technologies; Fire Control; Firepower; Support and Survivability/Lethality; Warfighter & Support Equipment.



The Aberdeen Test Center tested Rentar units on a Navistar International 359.9 cu. in., 170 hp. diesel engine and reported the following:

- 3.6% Fuel Consumption improvement.
- 3.6% Extended Range improvement.
- 12% NOx improvement.
- 14% CO₂ improvement.
- 17.4% CO improvement.
- 12.6% HC improvement.
- 10.9% O₂ improvement.

CASE STUDY



TOYOTA

Toyota Motor Company, established in 1937, is today the world's largest automobile manufacturer by sales (7,051,000 units FY 2009), with 320,808 employees building autos under the DAIHATSU, HINO, LEXUS and TOYOTA brands.



Toyota has installed Rentar Units of all their auto transport trucks operating in the Port(s) of Long Beach & Los Angeles with the following results:

STEADY STATE (Highway Driving)

- 11.3% Fuel Consumption improvement.
- 42.2% Particulate Matter improvement.
- 9.7% CO₂ improvement.
- 33.5% Carbon Monoxide improvement.
- 36.8% Total Hydrocarbon improvement.

Logos of Rentar Fuel Catalyst Purchasers





LISTED



American Bureau of Shipping



California Resource Board
Executive Order (CARB)



THANK YOU

Rentar Environmental Solutions, Inc.

Manufacturer of the Rentar Fuel Catalyst

Contact: Joel Ratner - Telephone: (561) 790-0093

Email: JoelRatner@Rentar.com

Website: DieselCatalyst.com