

Yahoo - Breathe Easier: Carcinogenic Emissions are Drastically Reduced With the Rentar Fuel Catalyst, Created to Meet Stricter States' Emissions Requirements



Press Release

Good for Business and the Environment: Patented Product Causes Fuel to Burn More Efficiently, Reducing Polluting Emissions and Companies' Fuel Costs

WEST PALM BEACH, Fla.--(BUSINESS WIRE)--April 16, 2002-- The exhaust of diesel engines prevalent in most trucks, buses and large machinery is categorized as a human carcinogen. Although the Environmental Protection Agency announced stricter rules to cut diesel fuel pollution from trucks and buses by 95 percent last year, they will not take effect until 2006. For 13 states, however, the EPA is not moving fast enough. California, Connecticut, Georgia, Maine, Massachusetts, Nevada, New Hampshire, New Jersey, New York, North Carolina, Rhode Island, Texas and Vermont allied in 2000 to impose emissions limits stricter than national standards for pollution from trucks and bus engines.

Responding to states' increasingly strident emissions regulations and concerned about the status of the environment, Rentar Environmental Solutions, Inc. announces the release of the Rentar Fuel Catalyst. The patented device enables fuel to burn more efficiently, reducing "black smoke" and other emissions while saving companies money by reducing their fuel consumption. More than 30 corporations, companies and groups, including the U.S. Navy, the U.S. Marine Corps, trucking companies and the Chesapeake Bay Foundation, have already tested or use the Rentar Fuel Catalyst in their fleets. They reported up to a 22 percent decrease in fuel consumption and up to a 54 percent reduction in smoke and exhaust pollution.

The Rentar Fuel Catalyst can be used in trucks, buses, trains, ships, yachts and boats, construction equipment, farm equipment, generators, pumps and other machines with diesel engines. While aware of bus and truck emissions, many people may not know that off-road vehicles, such as trains, ships and construction and farm equipment, burn fuel less efficiently and can emit up to eight times more toxic particles than their on-road counterparts.

"The Rentar Fuel Catalyst has been in development for years, but there was not a market for it until states began to impose stricter restrictions on emission levels," said Joel Ratner, president, Rentar Environmental Solutions, Inc. "Unlike many environmentally conscious products that businesses gripe about because of higher costs, this is a one-time purchase that actually helps companies save money by reducing fuel costs while leaving less of a destructive imprint on our environment."

The Los Angeles Times reported that pollution levels in vehicles can be twice to 10 times more potent than the outside air, and with Americans spending more time in their cars on congested roads, more attention is being paid to the effects of breathing in these carcinogens. Also, school boards, such as one in Connecticut, are examining the effects of children riding long distances on diesel-powered school buses and waiting in carpool areas, where idling buses emit more pollution than moving ones.

The Rentar Fuel Catalyst is an environmentally and economically sound, one-time purchase that is a cost-effective way for older engines to perform like newer ones. This makes it a more desirable solution than water-based fuel additives, which enter the water table and cost drivers each time they are at the pump; and catalytic converters, which are not as effective and must be replaced on a regular basis. Additionally, the Rentar Fuel Catalyst also reduces engine maintenance and improves oil chemistry.

In fact, the California Air Resources Board (ARB) issued an executive order permitting the Rentar Fuel Catalyst to be installed on California vehicles and equipment (#D394-2).

“In addition to a reduction in fuel costs, companies will save money by eliminating hefty fines imposed for emissions violations, not to mention potential court costs that could ensue if non-complying fleets are deemed a liability risk,” added Ratner. “While it may allow executives to breathe easy, the drivers and equipment operators will also be breathing a lot easier - literally!”

The Rentar Fuel Catalyst has been tested at certified labs and has shown a significant reduction of all emissions, which are caused when unburned fuel is blown out the exhaust. The molecular structure of fuel contains carbon, which clusters together, causing less of it to react with oxygen molecules and burn, which drives the engine. The Rentar Fuel Catalyst breaks up these carbon clusters before the fuel gets to the engine, oxygenating more of the fuel, without additives, so it better reacts with the oxygen burn. This process makes the fuel more combustible before the combustion process, so more of the fuel is actually burned, making the engine more efficient. This reduces the amount of unburned fuel to reach the exhaust, which pollutes the air, and results in fewer particles building up in the engine, which hinders performance and causes wear and tear.

The Rentar Fuel Catalyst is made of a patented combination of catalyst earth metals and rare earth elements housed in a heavy gauge metal cylinder. There are a variety of models, each specifically designed for a variety of applications, costing up to \$1,495. Rental engineers work with fleet management to reduce their companies' total fleet consumption from 5 to 20 percent and reduce toxic emissions from 10 to 54 percent. Most applications recover the initial cost of the product in the first six to 12 months. The Rentar Fuel Catalyst goes in the fuel line (between the fuel filter and the fuel injection pump) and can be installed in about 30 minutes. It has no moving parts so it does not require ongoing maintenance, but like the fuel line, should be examined periodically to make sure it remains properly connected and in place. The Rentar Fuel Catalyst comes with a 10-year limited warranty.

West Palm Beach, Fla.-based Rentar Environmental Solutions, Inc. is part of a group of companies first incorporated in 1958. The company addresses the increasing need for air and water preservation products. The Rentar Fuel Catalyst has been issued three patents and a fourth one is pending. The company is owned by the Ratner family, which, from funding from oil, gas, pipelines and real estate, contributes to an ongoing research and development program that has developed technologies resulting in commercially viable products such as D-Con Rat Poison and “Dry Freezing,” which is today used in the making of citrus concentrates and the strawberries in both Kellogg and Post brand cereals. The company began researching and developing the Rentar Fuel Catalyst at its Houston laboratory in 1978. As a result of the increased environmental awareness, the company perfected and patented the product worldwide. For more information on Rentar, please visit the company's Web site at www.rentar.com.