

# Hydrogen Generator Boosts Big Rig Mileage

“When it comes to semis and other large engines over 10 liters, you want to use the Big Boy generator,” notes Andrew Herold who has been manufacturing hydrogen generators since 2009 when he first built and sold 5,500 units designed to boost mileage on smaller car and truck engines.

“Recent trials with the Big Boy generator have been producing better results than we thought possible. Gains are being reported of up to 35 percent fuel savings. Units continue to improve. Several years ago it took 60 amps to produce enough hydrogen to power a semi. Now we can do it at 15 amps,” says Herold, noting that 6 semis in Nevada have been getting a 35 percent increase in mileage, including one that went from 6.3 to 9.2 mpg.

Problems that users had in the past have been solved with new engine tuners and pulse width modulators that hook up to the accelerator sensor so that when you step on the gas, the generator puts out more hydrogen to match engine needs.

The Big Boy runs on 12 volts DC and

comes with a meter and Pulse Width Modulator to control the output. It’s rated at 185 percent efficient and has 24 double-grilled plates.

Herold says the key to success with the Big Boy is correct installation. “We need mechanics who are trained to install the system. Right now we have two trained mechanics - one in Nebraska and the other in Nevada.”

Newer model semis use wide band sensors the same as Toyotas and other foreign cars. You will need to have the right information on which sensors you are dealing with. On older mechanical engines, all you need to do is to adjust the timing because hydrogen burns 1,200 times faster than diesel and you have to adjust the timing closer to top dead center.

“The system has proven itself a very successful add-on when installed correctly. Over-the-road semi savings are \$25,000 to \$35,000 per year,” says Herold.

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“Big Boy” hydrogen generator has proven itself as an add-on to big rigs, says Andrew Herold. Go to [www.hydrostarllc.com](http://www.hydrostarllc.com) for more information or email [aheroldsr@yahoo.com](mailto:aheroldsr@yahoo.com).

## 12-Volt Hydrogen Generator Has 4 Years Of Success

“We have installed our Galaxy Y hydrogen generator into 92 Dodge Ram trucks with 5.9 Cummings engines, ranging from 1990 to 2008 models. They are getting improved mileage from 19 mpg to 29 mpg with almost 100 percent success,” says Andrew Herold.

He notes that the earlier models with mechanically-controlled engines are easier to hook up. Diesel tuners for newer models sell for \$125 to \$225 and take about an hour to hook up. If your mechanic is ASE rated, then they can install the tuners without a problem.

“We’re so positive this is the finest system in the world that we will guarantee in writing

that it will produce mileage gains or we will buy back your system,” says Herold.

The Galaxy Y complete kit sells for \$795 with a “Buy Back 30-Day Warranty”.

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Galaxy Y hydrogen generator was developed by Darol Mason and built by Andrew Herold.

## Water Slide Made From Old Elevator

Instead of junking an old 60-ft. Case grain elevator, Gene Gatewood and his family turned it into a giant water slide that provided a lot of family fun last summer on their Willmar, Minn., dairy farm.

“We took the flights, chain and hopper off the elevator and redid the ends to make them smoother,” Gatewood explains. The finished slide is about 150 ft. long, thanks to the addition of another 40 ft. of trough built out of plywood.

They built a 12-ft. tall platform out of wood and attached the elevator with carriage bolts that also secure the 3-ft. wide poly silo liner fitted into the elevator.

A hose with a nozzle at the top of the slide provides plenty of water to make it fast and slippery, Gatewood says.

“The biggest problem is you end up going further than you thought you would. We set up an 80-ft. long water-filled pond at the end with bales and more plastic. The more water in the pond, the better. Ideally, a person could set up a pump to circulate the water.”

“It’s just fun to get family, neighbors and friends together,” Gatewood says.

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