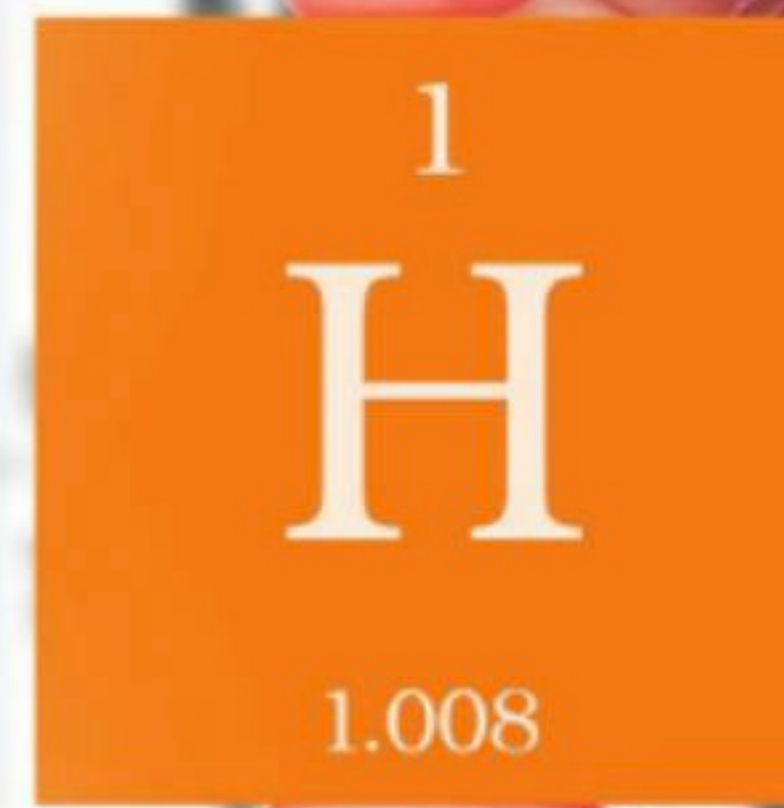


Reduce fuel consumption AND your carbon footprint with hydrogen

dynaCERT



One of the main costs for owner-operators and truck fleets alike is fuel, and it can't be avoided. Fuel economization strategies and after market add-ons have existed for years, but none provide more than a 1-2% improvement in fuel savings or mpg. As well, with the combustion of diesel fuel another issue arises – heavy greenhouse gas emissions – a global issue whose effects extended further than the transportation industry.

Enter dynaCERT, a Canadian company that develops, manufactures, and sells a double-edged solution that solves both the issues of rising fuel prices and increased pressure to reduce fleets carbon footprints. The product is called HydraGEN™, and the technology has been proven to provide up to 19% in fuel savings and cuts green house gas emissions in half. Once installed, a HydraGEN™ unit provides Hydrogen and Oxygen gas to a diesel engine's air intake, which creates a more efficient burn of diesel fuel in the engine. All the compact HydraGEN™ hydrogen-on-demand generator requires for maintenance is to be filled up with 4.7 L of distilled water, every 160 hours of operation.

Western Canada Highway News was able to get an interview with **David Imhof**, owner/operator of Three Peaks Crane and Transportation Inc., carrier member of the Alberta Motor Transport Association and HydraGEN™ technology owner, for more insight.

WCHN: Tell us your story of when and how you first heard about the HydraGEN™ Technology.

David: The first time I crossed paths with HydraGEN™ was in May 2018 at Truxpo in Abbotsford, BC. A year earlier, I was driving a Kenworth T800 with a Cummins ISX 15, and my DEF filter got backed up, but was never diagnosed with an issue; so no maintenance was done to it. Eventually my engine after



treatment got plugged up from too much carbon and the pressure got too high for the engine. The result was a \$35,000 repair, loss of income, and removal of my engine after treatment system. When I learned about HydraGEN™ at Truxpo, I thought to myself, had I had a HydraGEN™ unit a year earlier, the after treatment failure would not have occurred, and the \$35,000 engine repair would not have been needed.

WCHN: How did your installation take place?

David: I went to the dynaCERT website and looked up the closest HydraGEN™ dealer to me in Alberta and found Red M-Mechanic Ltd. in Innisfail. They had a good reputation as mechanics, so I trusted them to install the unit on my truck. They took the extra effort to move fuel tanks and hydraulic tanks to install the HydraGEN™ unit exactly where I wanted it. It was very professional, and they made a tailored solution for my knuckle boom truck.

WCHN: What have been the major benefits since installation?

David: The major benefit for me is that I'm using less fuel, 3 L less per operating hour according to my Geotab, which is a 15.6% reduction for me. Also, while driving, the engine feels a lot cleaner, and rattles less. I like the way it runs, and it sounds smoother.

WCHN: How do you feel about running a cleaner engine and polluting less from using HydraGEN™?

David: When my engine after-treatment system failed, it was going to cost \$14,000 to replace it, so I decided not to. I've been running without DEF for a year now, which is still legal in Alberta. Adding the HydraGEN™ unit as a fuel reducer was the main benefit for me, but the reduction of carbon emissions that it also provides is benefitting everyone else. I didn't like driving around and putting out so much black smoke. I have a clean conscience knowing that HydraGEN™ is helping me pollute way less. It's a benefit for everyone. ■