

2008 Cummins Turbo Diesel powered Peterbuilt H2GO Test Results

The H2GO control electronics were adjusted to provide an optimal balance of mileage gains and emissions reduction.

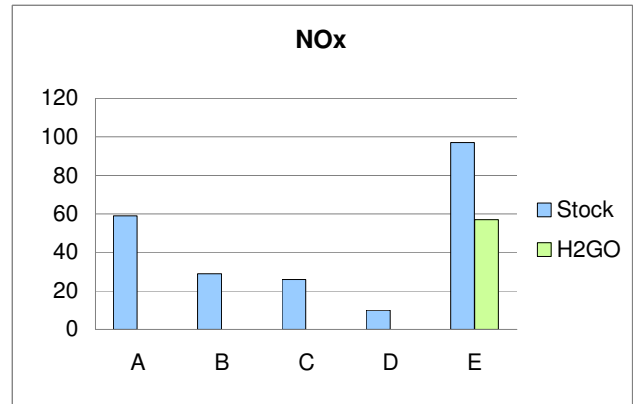
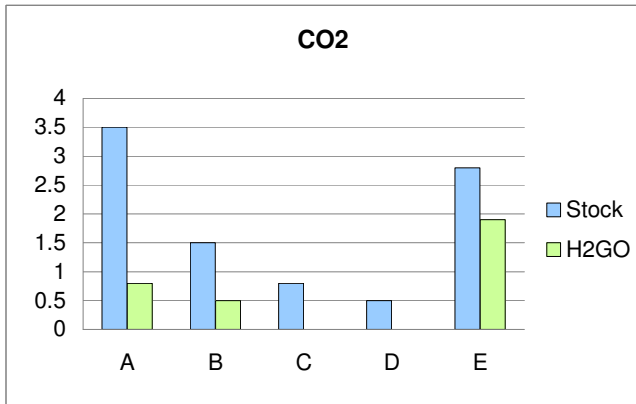
As a direct correlation exists between the amount of fuel burned by an engine and the amount of CO2 produced, a 20% improvement in fuel economy provides a similar reduction in CO2 emissions.

The over-road field trial indicates significant NOx and CO2 reductions with H2GO installed.

NOx emissions were reduced in a range from 10 PPM to 59 PPM, giving a 41% to 100% NOx reduction.

In some cases CO2 emissions dropped to zero, providing CO2 reductions in the 32% to 100% range.

Data points for this over-road field trial were recorded at a constant 70 mph with varying road grades over a 105 mile route.



These graphs show significant improvements in the reduction of polluting emissions at varying road grades.

The following spreadsheet contains the actual data values recorded by the onboard monitoring equipment.

To ensure the data is meaningful and easily understood the differences achieved from Stock to H2GO has been calculated as a percentage improvement, under the headings CO2 Reduction and NOx Reduction

2008 Cummins Turbo Diesel powered Peterbuilt H2GO Test Results											CO2 Reduction	NOx Reduction
Data Point	RPM	MPH	Estimated Grade %	Stock CO2 (%)	H2GO CO2 (%)	CO2 Change	Stock NOx (ppm)	H2GO NOx (ppm)	NOx Change			
A	1500	70	0	3.50	0.80	-2.70	59	0	-59	-77.14%	-100.00%	
B	1500	70	15	1.50	0.50	-1.00	29	0	-29	-66.67%	-100.00%	
C	1500	70	0	0.80	0.00	-0.80	26	0	-26	-100.00%	-100.00%	
D	1500	70	20	0.50	0.00	-0.50	10	0	-10	-100.00%	-100.00%	
E	1500	70	20	2.80	1.90	-0.90	97	57	-40	-32.14%	-41.24%	