

### 2008 Lincoln Navigator H2GO Test Results (5.4 litre engine)

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

Test results indicate CO2 reduction and mileage increase of 14.1% to 47.6%.

NOx emissions could not be captured as they were lower than the dyno's measurement capability.  
 HC emissions could not be captured as they were lower than the dyno's measurement capability (7.0 ppm).

Test was conducted on 12/11/09 between 10:30 and 11:00 am. All testing was done using a 1750E chassis Dyno and an ATS Emission 5 gas analyser. Ambient temperature was 47 F. The idle CO2% deviates due to a vacuum leak found and corrected during the idle test. Below are the results tables.

2008 Lincoln Navigator												
	MPH	NOx	HC (ppm)	Fuel GPH	CO%	O2%	CO2 %	GPH Change	CO2 Change [lbs/hr]	CO2 Reduction	Estimated MPG Increase	Estimated MPG % Increase
Stock	0	-	7.0	0.41	0.01246	0.1334	13.58					
Stock	40	-	7.0	3.04	0.02048	0.0294	13.58					
Stock	55	-	7.0	3.74	0.05283	0.0258	13.59					
Stock	65	-	7.0	4.34	0.0949	0.0340	13.62					
H2GO	0	-	7.0	0.38	0.05948	4.5440	10.78	-0.03	-0.58	-	-	-
H2GO	40	-	7.0	2.06	0.01203	0.0654	13.47	-0.98	-19.01	32.24%	6.26	47.6%
H2GO	55	-	7.0	2.97	0.02598	0.0375	13.53	-0.77	-14.94	20.59%	2.77	25.9%
H2GO	65	-	7.0	3.73	0.02655	0.0382	13.55	-0.61	-11.83	14.06%	1.51	16.4%
<b>Average change</b>										<b>22.29%</b>	<b>3.51</b>	<b>30.0%</b>