

DYNAMOMETER ANALYSIS

CAT 3406B ENGINE

rpm's	1800	1600	1500	1300	1100
BEFORE TURBO3000D					
Engine Speed	1799	1602	1500	1296	1099
Vehicle Speed (miles per hour)	59	52	49	42	36
Fuel Rate (gallons per hour)	16.3	17.2	17.1	15.8	14.0
Wheel Horsepower					
Measured	299	322	320	298	255
Corrected*	313	337	333	307	262
AFTER TURBO3000D					
Engine Speed	1800	1597	1502	1297	1100
Vehicle Speed (miles per hour)	60	53	50	43	36
Fuel Rate (gallons per hour)	15.9	16.5	16.7	16.1	14.2
Wheel Horsepower					
Measured	310	338	325	297	256
Corrected*	321	349	333	306	263
Dynamometer test conducted by TOROMONT CAT, Mississauga, Ontario, Canada					

SIMULATED ROAD CONDITIONS

2000 RPM - 50,000 LB. LOAD - 60 MPH

TEST NO. 1: Detroit Diesel - Series 60 - Cruise Control - MAPP System

BEFORE TURBO3000D		AFTER TURBO3000D		
THC	NOx	THC	NOx	
70.00	737	38.52	626	On average, a decrease of 52% was shown in Total Hydrocarbon Emissions (THC) after installation of the TURBO3000D Clean-Burn Fuel Maximizer for Diesel Engines. NOx emissions were reduced slightly (10.88%), and the combustion of the readings indicates cleaner burning, more efficient combustion. Conditions on the drive train were simulated within the accuracy of the computer controlled dynamometer.
70.73	795	39.30	698	
74.89	799	40.08	715	
75.40	803	40.08	723	
74.37	806	38.00	726	
73.07	809	39.96	732	
71.25	809	35.92	736	
70.47	811			
66.57	811			
Analysis performed by NOVAMANN (Ontario) Inc. Quality Analytical Laboratories				