

Written by Dan

Saturday, 10 September 2011 13:52 - Last Updated Friday, 07 October 2011 21:26

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## **Diesel Truck Test Immediate Horsepower & Torque Gain.**

This test was run by Hawthorne Power Systems of San Diego, CA, a Caterpillar Dealer and CAT authorized service & Testing Center. For this test, the Taylor Dynamometer was used.

The cement truck with a CAT C 11 engine was placed on the Dyno, was secured and then a base line run was completed showing 144 HP (horsepower) producing 1,334 Ft-Lbs of torque. (See graphs on following two pages – this base line test refers to the one marked “Before Treatment”)

The truck remained on the Dyno while it was treated with the MoreMPG product. The install run in (6 min) and mileage was then completed on the Dyno. The truck was then allowed to cool down to return to the same temperatures of the base line run for the start of the Dyno run immediately after the MoreMPG treatment. The After Treatment Dyno run shows an increase on both horsepower and torque. (See page marked “After Treatment”) The horsepower increased to 160 HP and the torque increased to 1,484 Ft-Lbs. which equates to an increase of 16 HP and 150 Ft-Lbs of torque.

Please note: This test was run for the purpose of determining the immediate gains from a MoreMPG treatment and as such, this test only shows the immediate gain following installation of MoreMPG and not the total benefits in horsepower and torque which can be seen in the other tests we have run and published. As MoreMPG cures, (1,000 to 1,500 miles of drive time after installation) both the horsepower and the torque will increase significantly more as shown in other tests run after the accumulation of 1,500 miles from the time of treatment.

# CAT C 11 Diesel Truck Test Immediate 16 HP Horsepower & 150 Ft-Lbs Torque Gain, treated with MoreMPG

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*Before Treatment*

## ECM Data Report

**HAWTHORNE**



Hawthorne Power Systems

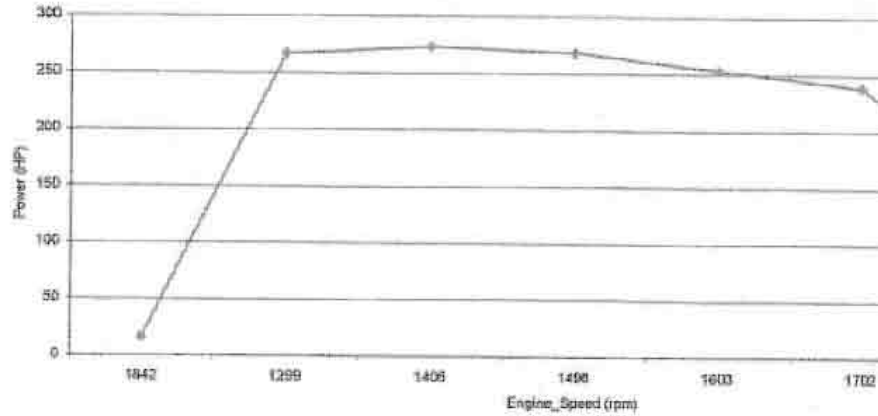


EXPERIENCE THAT MEASURES UP

Customer Name: ██████████ #594  
 Customer Address: ██████████  
 Customer City/State/Zip: ██████████  
 Customer Phone: ██████████  
 Customer Mobile Phone: ██████████  
 Customer Contact: ██████████

Engine ID No: KCA10807  
 Engine Make: CAT  
 Engine Model: C11  
 Other Engine Info: ██████████  
 W.O. No.: 1110048  
 Dyno Operator: JIM

Vehicle Serial Number: ██████████ 793  
 Vehicle Make: PETE  
 Vehicle Model: MC  
 Vehicle Plate Number: ██████████  
 Mileage: 43748  
 Year: ██████████  
 Color: WHITE  
 Other Vehicle Info: ██████████



Pre Test Comments:

Post Test Comments:

Abs Scale	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)
Average Units	(rpm)	(HP)	(GAL/HR)	(psi)	(psi)	(Deg F.)	(Deg F.)	(percent)	(percent)
Channel Name	Engine_Speed	Power	Burn_Rate_vol	e_Barometric_Press	e_Boost_Press	e_Eng_Coolant_Temp	e_Int_Mfd_Temp	e_Percent_Accel_Pedal	e_Percent_Eng_Load
1	1842	16	12	15	28	172	82	100	43
2	1299	267	16	9	32	192	96	100	100
3	1408	273	17	15	32	190	100	100	100
4	1498	268	18	15	32	190	104	100	100
5	1603	253	19	15	32	190	107	100	100
6	1702	239	19	15	32	190	105	100	100
7	1790	144	17	15	32	188	107	100	79

*Without metal Treatment*

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**After Treatment MoreMPG**

# CAT C 11 Diesel Truck Test Immediate 16 HP Horsepower & 150 Ft-Lbs Torque Gain, treated with MoreMP

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*After Treatment!*

## ECM Data1 Report

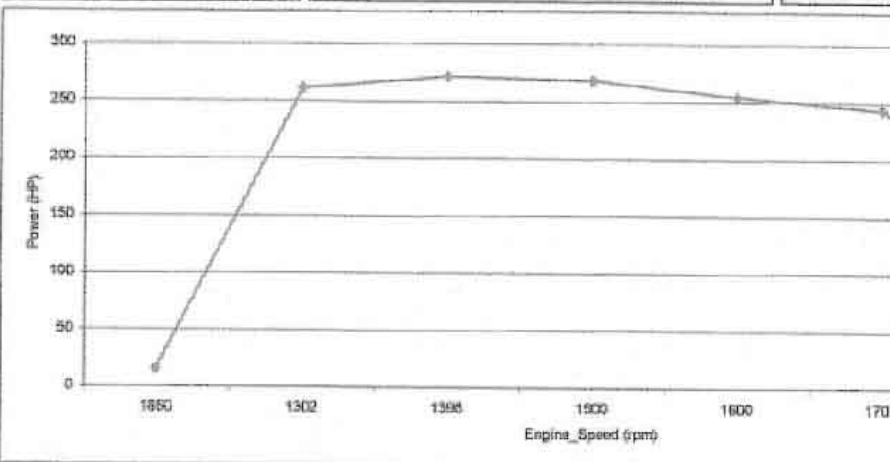
**HAWTHORNE**   
Hawthorne Power Systems

  
EXPERIENCE THAT MEASURES UP

Customer Name: ██████████ ES #594  
Customer Address: ██████████  
Customer City/State/Zip: ██████████  
Customer Phone: ██████████  
Customer Mobile Phone: ██████████  
Customer Contact: ██████████

Engine ID No: KCA10B07  
Engine Make: CAT  
Engine Model: D11  
Other Engine Info: ██████████  
W.O. No.: 1110046  
Dyno Operator: JIM

Vehicle Serial Number: ██████████ 793  
Vehicle Make: PETE  
Vehicle Model: MD  
Vehicle Plate Number: ██████████  
Mileage: 43748  
Year: ██████████  
Color: WHITE  
Other Vehicle Info: ██████████



Pre Test Comments:

Post Test Comments:

Abis Scale	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)	(x 1)
Average Units	(rpm)	(HP)	(GAL/HR)	(psi)	(psi)	(Deg F.)	(Deg F.)	(percent)	(percent)	(percent)
Channel Name	Engine_Speed	Power	Sum_Rate_vol	e_Barometric_Press	e_Boost_Press	e_Eng_Coolant_Temp	e_Int_Mfd_Temp	e_Percent_Accel_Pedal	e_Percent_Load	e_Percent_Load
1	1850	16	11	15	22	172	87	100	43	
2	1302	261	17	15	32	188	96	100	100	
3	1398	271	18	15	32	190	102	100	100	
4	1500	268	18	15	32	188	102	100	100	
5	1600	254	18	15	32	190	109	100	100	
6	1702	244	19	15	32	188	107	100	100	
7	1788	160	18	15	32	188	109	100	81	



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