

## **Dyno Tests Analyzed for Speed and Foot/Lbs. Torque for A 2007 Chevy Duramax Diesel 6.6 L. at Fitzgibbons Performance Completed 6/6/2017**

**The Fitzgibbon Performance Center released the Excel Files for the Dyno Tests performed on the 2007 Chevy Silverado Duramax on June 6, 2017. The Excel files for the Dyno Performance Pulls for the Baseline (Test 99) and the Product (Test 101) were analyzed and charted in a table.**

**The categories in the tables include the Line Number from the Excel Spreadsheet, Vehicle Speed, Vehicle RPM's, and Vehicle STP Ft.Lbs.Torque. A table is charted and data is provided for the Baseline (Dyno Pull without the Product) and a second table is provided showing the results with the product.**

**After studying the data from the Horsepower Pulls and the Road Tests (over 25,000 lines of data per test) it was determined to pair up the speed and the STP Lbs.FT. Torque from the Horsepower Pulls. The line data was taken from the Baseline Test (Test99) and the Product Pull Test (Test101).**

**The tables of data are centered from the speed of the vehicle and the lines of data that relate to that speed. This methodology of centering on a single individual speed does three things. Number one it limits the amount of line data related to a single speed as the vehicle accelerates. This individual focusing on a single speed also transfers over to the other Horsepower Runs when comparing the data collected. The data is taken from the line data as the vehicle accelerates to and passes through the set speed point.**

Thirdly, the single speed set point only occurs once as the vehicle accelerates and therefore only allows one line of data to document RPMs, Line# (For Time and comparison pairing), Speed, and STP FT. LBS. Torque.

Table 1 is data taken from the Baseline Horsepower Pull designated as Test99 by the technician at Fitzgibbon Performance. The Excel files show column (AC) to be speed of the vehicle. Column (AL) is the data for the RPM's. Column (AY) is the figure for STP FT-LBS Torque related to the Speed Set Point.

The tables constructed consist of data retrieved from the Excel files related to the particular Fitzgibbon Performance Dyno Tests of the Baseline and the Product.

Each individual line of data consists of columns of figures designated with Pairs of letters from the Alphabet as related to the Excel Spreadsheet files.

**Baseline Test Showing Speed vs. Ft.-Lbs. Torque**

**Table 1**

<b>File #</b>	<b>AC Speed MPH</b>	<b>AY Torque Ft.-LBS.</b>	<b>Line #</b>	<b>AL Engine RPM's</b>
<b>Test 99</b>	<b>56</b>	<b>264.3</b>	<b>4</b>	<b>2305</b>
<b>Test 99</b>	<b>60.4</b>	<b>286.6</b>	<b>15</b>	<b>2482</b>
<b>Test 99</b>	<b>70</b>	<b>560.3</b>	<b>30</b>	<b>2893</b>
<b>Test 99</b>	<b>75</b>	<b>390.6</b>	<b>38</b>	<b>3087</b>
<b>Test 99 **</b>	<b>70.8</b>	<b>563.4</b>	<b>31</b>	<b>2925</b>

**\*\* Maximum Ft.-Lbs Torque for this Test**

## Product Test Showing Speed Vs. Ft. Lbs. Torque

Table 2

File #	AC Speed MPH	AY Torque Ft.-Lbs.	Line #	AL Engine RPM's
Test 101	56.2	478.7	3	2313
Test 101	60.1	552	8	2483
Test 101	69.9	629.6	19	2892
Test 101	75.2	625.8	25	3116
Test 101 **	80.4	682	32	2654

\*\* Maximum Ft.-Lbs. Torque for this test

The Tables show all Four Categories of Speed and Best Torque Performance. The Conclusion is the Vapster-Diesel Results are all superior to the Baseline Results. This shows that the Vapster-Diesel RV-4400 provides more Ft.-LBS. Torque across the board at each speed recorded. If interested parties are looking to know more about our product lines they can contact us through our email:

[vapsterdiesel@comcast.net](mailto:vapsterdiesel@comcast.net)

Our products provide Horsepower gains, fuel mileage increases, and reduced emissions on most diesel engines.

Gerald Rowley, CTO, Diesel Fuel Savers, LLC