

## **Power (HP) and Torque Test** **Evaluation of the performance of and diesel engine** **when diesel has been treated with Xp3.**

**Test:** Tests were carried out on a dynamometer in order to determine the increase in power and Torque generated by the use of Xp3 in a diesel engine

Test Laboratory that conducted the test:  
Walls Rod & Custom, Inc.  
Box 162 Dufresne  
Dufresne, MB , R0A0J0, Canada  
[www.wallsrodcustom.com](http://www.wallsrodcustom.com)

### **Test unit information:**

The dynamometer test is performed by attaching a motor directly to the dynamometer. This test is highly efficient and enables to simulate the operation of the engine in a real scenario. Test results that can be obtained among others in this test is the determination of the power and torque of the engine.

### **Process:**

The Power and Torque measurements were done in a Diesel (D-2) engine. The Hp and Torque generated by the engine using Diesel fuel (base diesel) was compared with the power and torque generated by the same engine when they added Xp3 to the fuel in the proportions of 1:4000 (single dose), and 1:2000 (double dose)

### **Dynamometer**

MD Mustang Dynamometer and Mustang's PowerDyne Software  
<http://www.mustangdyne.com/>

### **Engine:**

GMC 2011  
Model Duramax  
6.6 liter engine

**Test date:** April 21, 2015

---

### **Xp Lab, Inc.**

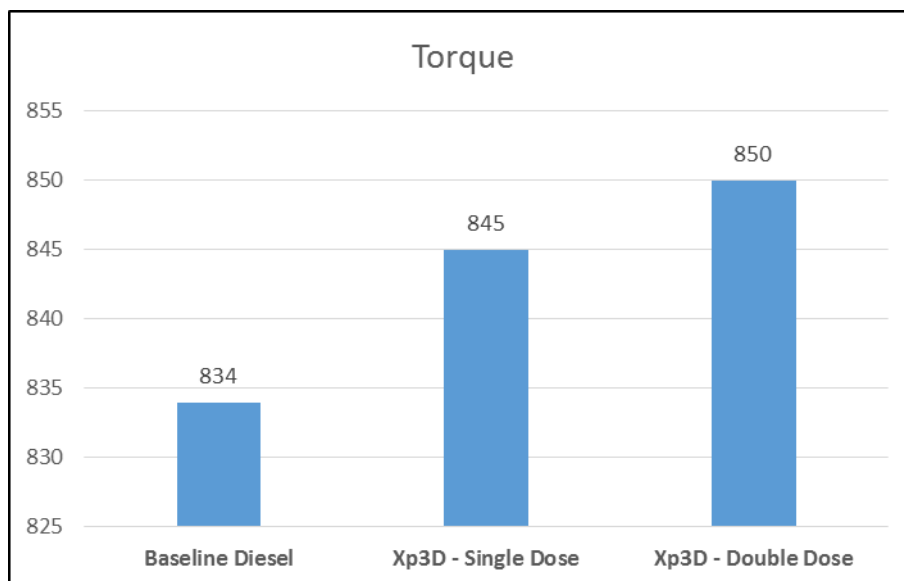
12527 Kirkham Ct. Poway, CA 92064  
Tel. (619) 233-3111 Fax: (619)233-3112  
[Xp3@xplab.com](mailto:Xp3@xplab.com) <http://www.xp3.com>

# LAB TEST RESULTS



## Results:

TORQUE		
	Dyno Data	% Inc vs. Baseline
Baseline Diesel	834	
Xp3D - Single Dose	845	1.32%
xp3D - Double Dose	850	1.92%



**An increase of + 11 (1.32%) in the torque was obtained when comparing the results of untreated diesel (base diesel), and diesel treated with Xp3 in a proportion of 1:4000 (Single Dose)**

**An increase of + 16 (1.92%) in the torque was obtained when comparing the results of untreated diesel (base diesel), and diesel treated with Xp3 in a proportion of 1:2000 (Double Dose)**

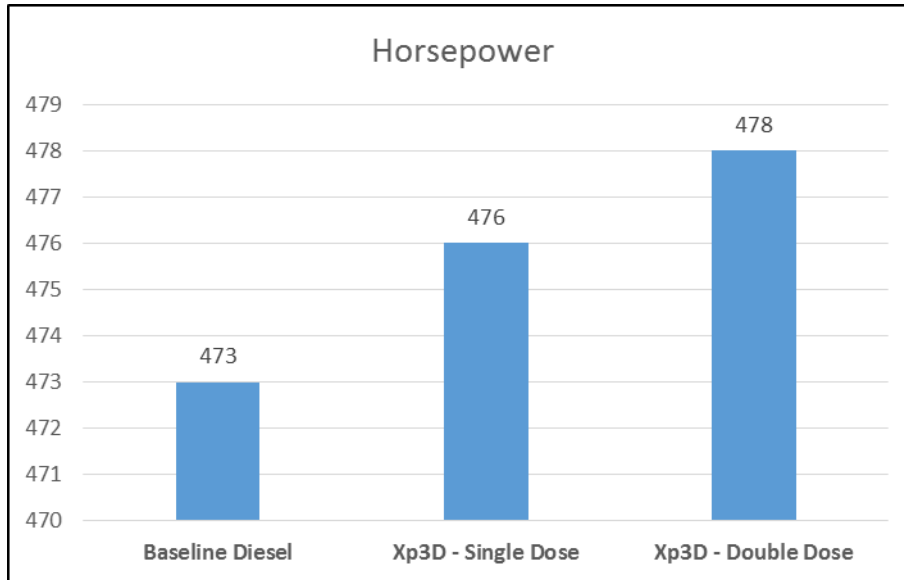
## Xp Lab, Inc.

12527 Kirkham Ct. Poway, CA 92064  
Tel. (619) 233-3111 Fax: (619)233-3112  
[Xp3@xplab.com](mailto:Xp3@xplab.com) <http://www.xp3.com>

# LAB TEST RESULTS



HORSEPOWER		
	Dyno Data	% Inc vs. Baseline
Baseline Diesel	473	
Xp3D - Single Dose	476	0.63%
xp3D - Double Dose	478	1.06%



**An increase of + 3 (0.63%) in the horsepower was obtained when comparing the results of untreated diesel (base diesel), and diesel treated with Xp3 in a proportion of 1:4000 (Single Dose)**

**An increase of + 5 (1.06%) in the horsepower was obtained when comparing the results of untreated diesel (base diesel), and diesel treated with Xp3 in a proportion of 1:2000 (Double Dose)**

**Enclosed:**

- Test report - Diesel Fuel without additive - Base Diesel
- Test report - Diesel Fuel with one dose of Xp3
- Test report - Diesel Fuel with double dose of Xp3

---



**Xp Lab, Inc.**

12527 Kirkham Ct. Poway, CA 92064  
Tel. (619) 233-3111 Fax: (619)233-3112  
[Xp3@xplab.com](mailto:Xp3@xplab.com) <http://www.xp3.com>

# LAB TEST RESULTS



p 5

 <b>Mustang Dynamometer</b> 	
HorsePower Curve Test Results Date/Time Printed: 04/21/2015 02:37:55 PM	
<b>Tested By</b> WALLS ROD & CUSTOM INC Box 182 DuReine	<b>Tested For</b> CO-OP Fuels, CO-OP Fuels, CO-OP Fuel 5TC Anne
<b>Address:</b> MB ROAD <b>Phone:</b> 214-878-4040 <b>Fax:</b> 214-878-4040	<b>Phone (Work/Home)</b> <b>Fax (Work/Home)</b> <b>DOB:</b> 4/21/2015 9:07:27 AM <b>Tested:</b> 4/21/2015 9:07:27 AM <b>Comments</b>
<b>VIN:</b> 0 <b>License:</b> GTC632 <b>Year/Make/Model:</b> 2011 GMC Duramax <b>Comments</b>	<b>Miles:</b> 0.0 <b>Weight:</b> 3000.00 <b>HP@150MPH:</b> 12.50 <b>Cylinders/Displacement:</b> 6 / 6.6 <b>Cycles:</b> 4 <b>RPM Pickup:</b> 2
HorsePower Curve Test Results	
<b>Test Run</b>	
<b>Time Tested:</b>	4/21/2015 12:02:30 PM
<b>Maximum Power:</b>	466.3 @ 3289 RPM / 70.9MPH
<b>with WCF:</b>	473.4 with WCF
<b>Maximum Torque:</b>	522.3 @ 2844 RPM / 68.1MPH
<b>with WCF:</b>	534.9 with WCF
<b>Comments:</b> XP3 Baseline 1	



## Xp Lab, Inc.

12527 Kirkham Ct. Poway, CA 92064  
 Tel. (619) 233-3111 Fax: (619)233-3112  
[Xp3@xplab.com](mailto:Xp3@xplab.com) <http://www.xp3.com>

# LAB TEST RESULTS



p 4

		<b>Mustang Dynamometer</b> HorsePower Curve Test Results Date/Time Printed: 04/21/2015 02:38:10 PM			
<b>Tested By</b> WALLS ROD & CUSTOM INC Box 162, Jilbene		<b>Tested For</b> CO-OP FUEL, CO-OP FUEL CO-OP FUEL STE AIR			
<b>Customer</b> Phone 204-878-4321 Fax 204-878-7210		<b>Year/Make/Model</b> MB BMW0.0		<b>Phone (Work/Home)</b> <b>Fax (Work/Home)</b> <b>DOB</b> 4/21/2015 9:07:27 AM <b>Tested</b> 4/21/2015 9:07:27 AM <b>Comments</b>	
<b>VIN</b>	G	<b>Miles</b>	10	<b>Cycles</b>	4
<b>License</b>	GTC822	<b>Weight</b>	9000.00	<b>RPM Pickup</b>	2
<b>Year/Make/Model</b>		<b>HP@150MPH</b>	12.50		
2011	GMC	<b>Cylinders/Displacement</b>	5 / 5.6		
<b>Comments</b>					
<b>HorsePower Curve Test Results</b>					
<b>Test Run</b>					
<b>Time Tested</b>	4/21/2015 12:16:43 PM				
<b>Maximum Power</b>	459.0 @ 3311 RPM / 79.9MPH				
<b>with WCF</b>	478.2 with WCF				
<b>Maximum Torque</b>	533.0 @ 2807 RPM / 68.8MPH				
<b>with WCF</b>	545.5 with WCF				
<b>Comments</b>					
XPS RFG Single Dose					



## Xp Lab, Inc.

12527 Kirkham Ct. Poway, CA 92064  
 Tel. (619) 233-3111 Fax: (619)233-3112  
[Xp3@xplab.com](mailto:Xp3@xplab.com) <http://www.xp3.com>

# LAB TEST RESULTS



p 3

 <b>Mustang Dynamometer</b> 	
HorsePower Curve Test Results Date/Time Printed: 04/21/2015 02:40:27 PM	
<b>Tested By</b> WALLS ROD & CUSTOM, INC. Box 192 Dulles, VA	<b>Tested For</b> CO-OP Fuels, CO-OP Fuels., CO-OP Fuel STE Arno
<b>Address</b> Dulles, VA 20146	<b>Phone (Work/Home)</b> (204) 573-4331 <b>Fax (Work/Home)</b> (204) 573-4340
<b>DOB</b> 4/21/2015 9:07:27 AM	<b>Tested</b> 4/21/2015 9:07:27 AM <b>Comments</b>
<b>VIN</b> 0 <b>License</b> 0109024	<b>Miles</b> 0.0 <b>Weight</b> 5000.00 <b>HPAt50MPH</b> 12.50 <b>Cylinders/Displacement</b> 6 / 0.0
<b>Year/Make/Model</b> 2011 GMC Duramax	<b>Cycles</b> 4 <b>RPM Pickup</b> 2
<b>Comments</b>	
HorsePower Curve Test Results	
<b>Test Run</b>	
<b>Time Tested</b> 4/21/2015 12:33:33 PM	
<b>Maximum Power</b> 471.5 @ 3282 RPM / 79.9MPH with WCF 478.1	with WCF
<b>Maximum Torque</b> 857.6 @ 2844 RPM / 69.2MPH with WCF 860.4	with WCF
<b>Comments</b> XPS R2G Double Drive	

## Xp Lab, Inc.

12527 Kirkham Ct. Poway, CA 92064  
 Tel. (619) 233-3111 Fax: (619)233-3112  
[Xp3@xplab.com](mailto:Xp3@xplab.com) <http://www.xp3.com>