

VOSA Approved Vehicle Testing of Oxytane

These tests were carried out at Unit 33, Sugarbrook Road, Aston Fields Industrial Estate, Bromsgrove, B60 3DN, England, on September 16th 2008.

Tests carried out using Bosch 350 calibrated Diesel Smoke tester and Rotronics Dynamometer.

Vehicle: **Lamborghini owned by Jeremy Clarkson from the BBC's Top Gear**

Mileage: **4390**

YOM: **2007**

Variant: **Gallardo**



HC Testing:

The European Law allows a level of up to 0.25 for this vehicle, but, as you can see, this being a highly efficient engine already the output is only 0.19

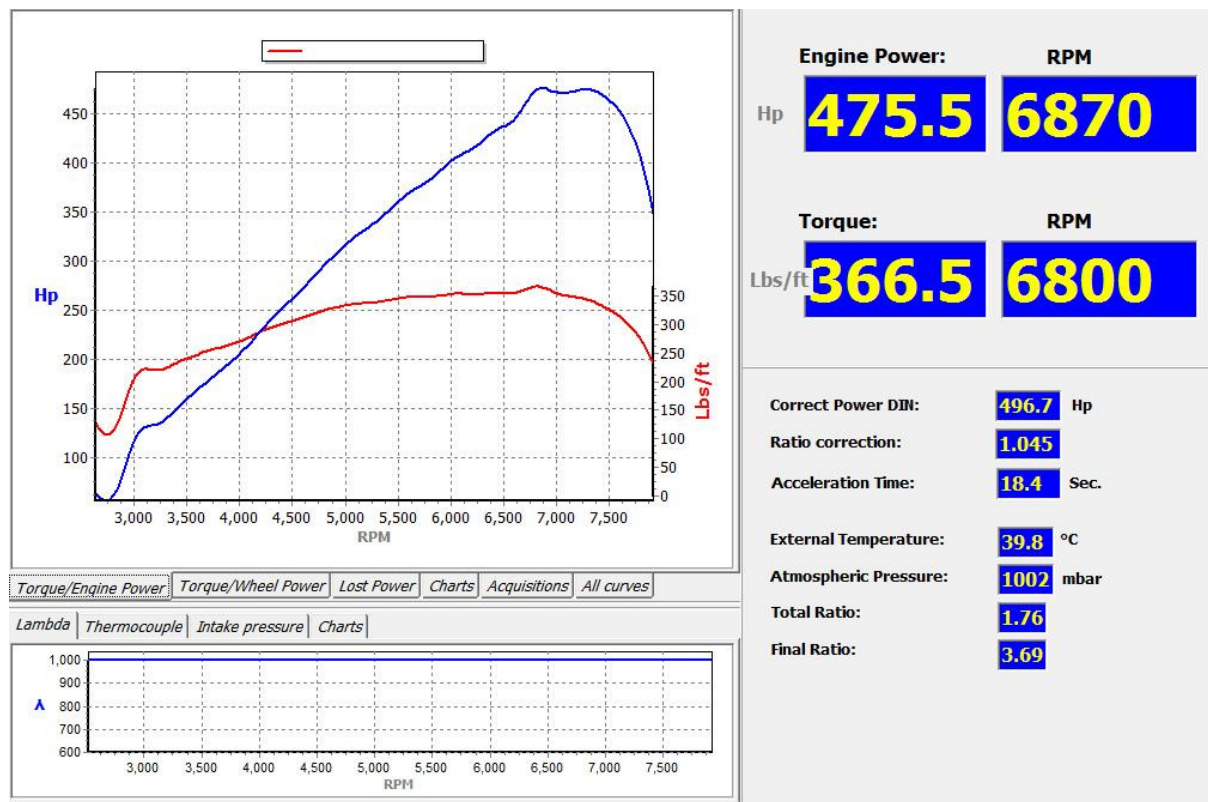
European emission standards for **passenger cars** (Category M₁^{*}), g/km

Tier	Date	CO	HC	NO _x	HC+NO _x	PM
Diesel						
EM1	January 1989	2.72 (3.16)	-	-	0.97 (1.13)	0.14 (0.18)
Euro 2, IDI	January 1993	1.0	-	-	0.7	0.08
Euro 2, DI	January 1993	1.0	-	-	0.9	0.10
Euro 3	December 1997	0.64	-	0.50	0.56	0.05
Euro 4	January 2003	0.50	-	0.25	0.30	0.025
Euro 5 (future)	September 2009	0.50	-	0.18	0.23	0.005
Euro 6 (future)	September 2014	0.50	-	0.08	0.17	0.005
Petrol (Gasoline)						
EM1	January 1989	2.72 (3.16)	-	-	0.97 (1.13)	-
Euro 2	January 1993	2.2	-	-	0.5	-
Euro 3	January 1997	2.30	0.20	0.15	-	-
Euro 4	January 2003	1.0	0.10	0.08	-	-
Euro 5 (future)	September 2009	1.0	0.10	0.06	-	0.005**
Euro 6 (future)	September 2014	1.0	0.10	0.06	-	0.005**

* Before Euro 5, passenger vehicles > 2500 kg were type approved as **light commercial vehicle** N1 - I

** Applies only to vehicles with direct injection engines

The first run on this car gave a power reading of 475.5hp and 366.5lbft torque on the dynamometer.



Emissions of 0.01 on ZERO DRIFT and 0.01 in both mean value and FPT mean value.

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  B O S C H
Basic Emission Test
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TEST STATION
CHIPPED U.K.
UNIT 33, SUGARBROOK ROAD
ASTON FIELDS IND. EST.
BROMSGROVE, B60 3DN.
TEL: (01527) 579345
VTS number:
-----
BEA version: V1.20-UK
AMM version: 000-B6
-----
Date: 18.09.2008
Time: 14:48
-----
VEHICLE DETAILS
Reg. Number: L [REDACTED]
-----
DESCRIPTION
Engine temp. measurement
by manual observation of
temperature gauge
-----
Fast Idle Test
-----
Speed 2890 /min
CO 0.01 %vol
HC 19 ppm
Lambda 1.00
-----
Natural Idle Test
-----
Speed 990 /min
CO 0.01 %vol
-----
SUMMARY RESULTS
Fast Idle Test: PASS
Speed (2500-3000) pass
CO (0.20) pass
HC (200) pass
Lamb. (0.97-1.03) pass

Idle Speed: PASS
Speed (450-1500) pass
CO (0.30) pass

Exhaust Emissions Test
Overall Result: PASSED
-----
Tested By: SIMON WHITE
Signature:
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Stamp

As you can see, the test is completed under EU and UK specification of emissions control.

We now inserted 5ml of Oxytane at the correct ratio and then allowed the car to run at idle for 2 minutes.

At this point the engine was still at peak running temperature and the same level as the original test so we firstly tested the emissions, the car gave an instant drop in HC of 30% as well as a drop in idle from over 900 to 800rpm.

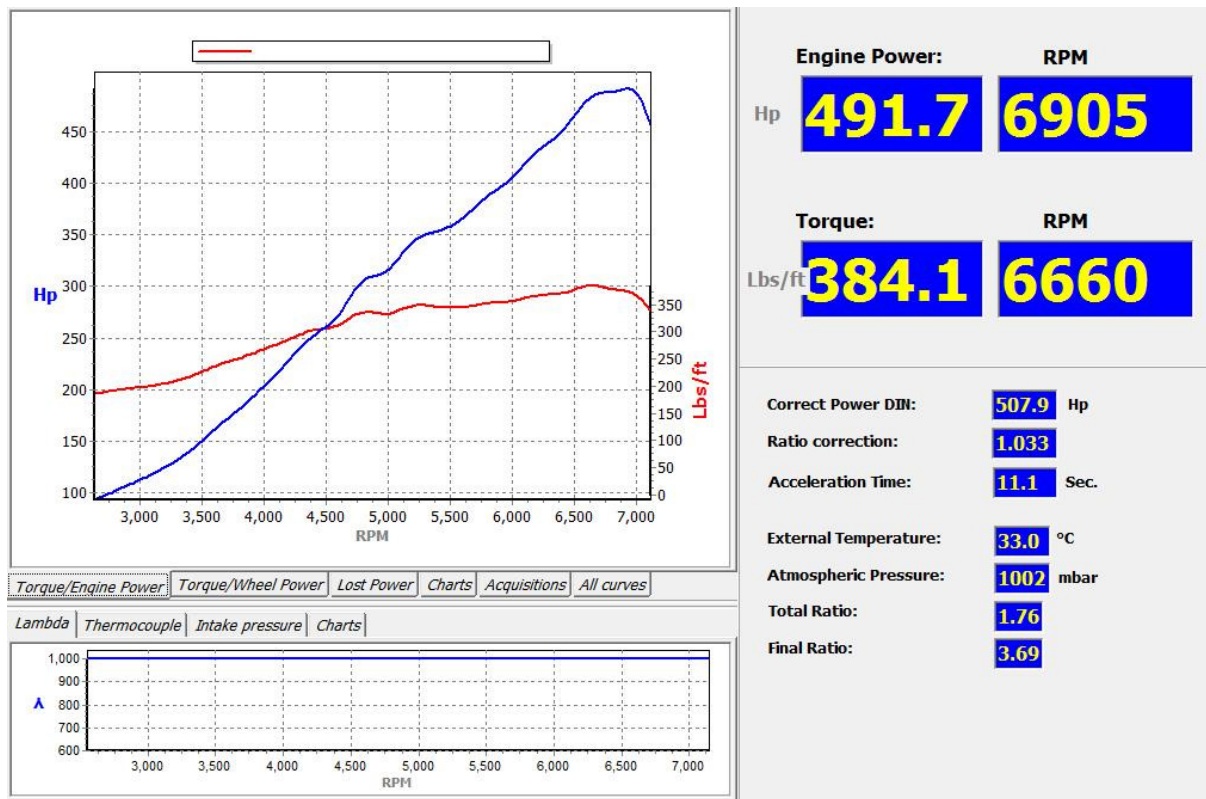
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-----
  B O S C H
Basic Emission Test
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      TEST STATION
      CHIPPED U.K.
UNIT 33, SUGARBROOK ROAD
ASTON FIELDS IND. EST.
BROMSGROVE, B60 3DN.
TEL: (01527) 579345
VTS number:
-----
BEA version:    V1.20-UK
AMM version:    000-B6
-----
Date:          18.09.2008
Time:          14:53
-----
      VEHICLE DETAILS
Reg. Number:    [REDACTED]
-----
      DESCRIPTION
Engine temp. measurement
by manual observation of
temperature gauge
-----
      Fast Idle Test
-----
Speed          2580 /min
CO              0.02 %vol
HC              13   ppm
Lambda         1.00
-----
      Natural Idle Test
-----
Speed          800 /min
CO              0.22 %vol
-----
      SUMMARY RESULTS
Fast Idle Test:    PASS
Speed (2500-3000) pass
CO (0.20)          pass
HC (200)           pass
Lamb. (0.97-1.03) pass

Idle Speed:        PASS
Speed (450-1500)  pass
CO (0.30)          pass

Exhaust Emissions Test
Overall Result: PASSED
-----
Tested By: SIMON WHITE
Signature:
-----
```

Stamp

We then immediately ran the car on the dyno to check for power changes.



With immediate effect the power increased 16.2hp with torque up by 17.6lbft.

Conclusion:

The end result of this product is a proven gain in horse-power and a 30% reduction in Hydrocarbons.

Simon White.