

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 Dynometer.

Vehicle: **VW Golf PK51EWJ**

Mileage: **118000m**

YOM: 2001

Varient: **1.9d 130hp**

The European Law allows a level of upto 0.64 for this vehicle, but, as you can see, this being a highly efficient engine already the output is only 0.10.

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 132.62hp and 228.7lbft torque on the dynamometer and emissions of 0.00 on ZERO DRIFT and 0.10 in both mean value and FPT mean value.

ORIGINAL

B O S C H
Diesel smoke test
Test report

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
RTM vers: v2.0
Type of test: Fast pass
Category: A

Date: 16.09.2008
Time: 11:33

VEHICLE DETAILS
Reg. Number: PK51EWJ
Manufact.: Volkswagon
Odometer Reading: 118000

Ex. Probe: 1

DESCRIPTION
Oil temp. bypassed
Idle speed [/min] 910
Cutoff speed [/min] 4530

tA	tH	nIS	nCS	k
[s]		[/min]		[/m]
0.81	5.20	910	4470	0.10*

Zero Drift pass
max.: 0.10 actual: 0.00

Mean value pass
max.: 3.00 actual: 0.10

FPT mean value pass
max.: 1.50 actual: 0.10

Test PASSED

Tested By: SIMON WHITE
Signature:

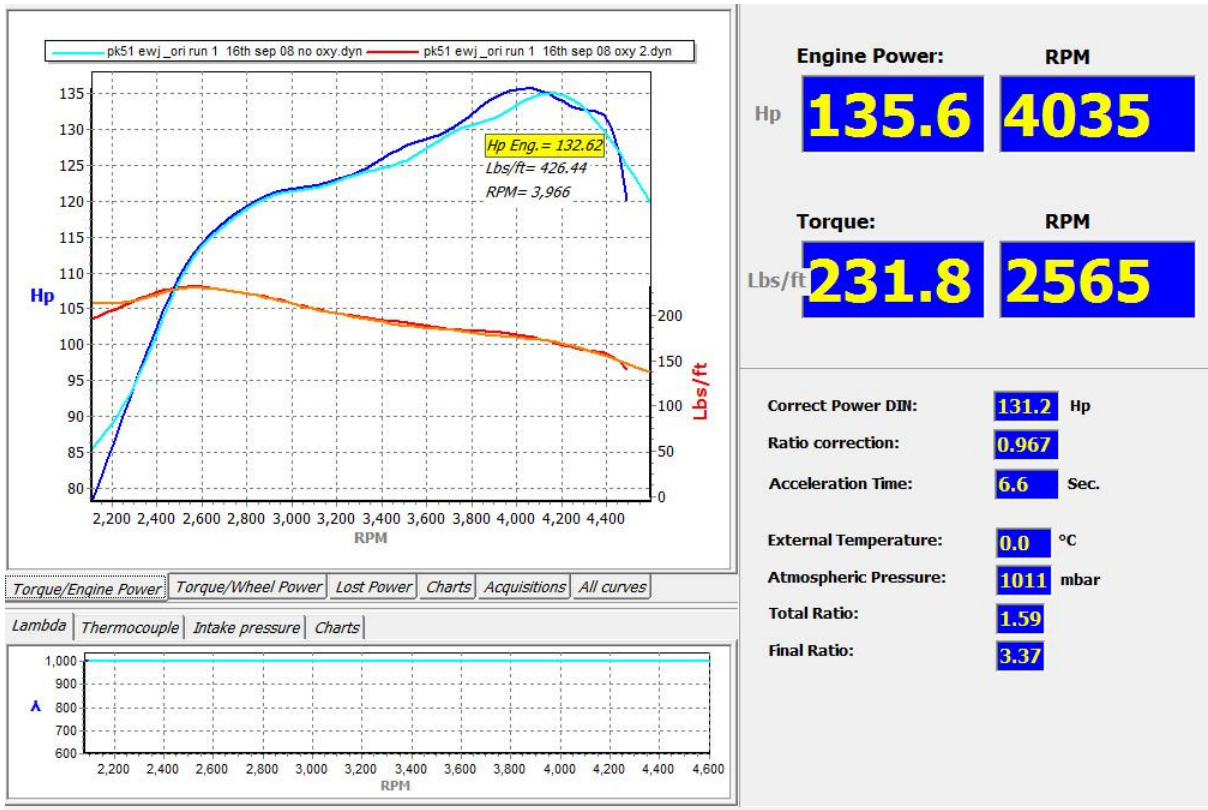
Stamp

MOT Station Copy

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

After the tests we allowed 2.5 hours for the engine to cool in a temperature controlled cell at 17.8 degrees. After this time we inserted Oxytane at the correct ratio and then allowed the car to run at idle for 20 minutes.

At this point the engine was at peak running temperature and the same level as the original test so we first ran the car on the dynamometer, the car gave an instant boost in throttle response as well as a gain in power across the rev range with a high level of gain between 3300rpm and 4100rpm with a maximum yield of 2.8hp.



After this test we again allowed the car to return to peak engine temperature and ran the emissions checks. This is where we noticed what can only be described as astonishing results, a drop in emissions of 40% from 0.10 to 0.06.

Not only that, the engine also had a noticeably reduced engine sound.

This is the largest drop we have seen of any product tested outside of ECU control.

OXYTANE

B O S C H

Diesel smoke test
Test report

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
RTM vers: v2.0
Type of test: Fast pass
Category: A

Date: 16.09.2008
Time: 12:47

VEHICLE DETAILS
Reg. Number: PK51EWJ
Manufact.: Volkswagon
Odometer Reading: 118000

Ex. Probe: 1

DESCRIPTION
Oil temp. bypassed
Idle speed [/min] 900
Cutoff speed [/min] 4410

tA	tH	nIS	nCS	k
[s]		[/min]		[/m]
1.01	5.28	900	4560	0.06*

Zero Drift pass
max.: 0.10 actual: 0.00

Mean value pass
max.: 3.00 actual: 0.06

FPT mean value pass
max.: 1.50 actual: 0.06

Test PASSED

Tested By: SIMON WHITE
Signature:

Stamp

MOT Station Copy

Conclusion:

The end result of this product is a proven gain in horse-power, a 40% reduction in emissions and lower engine sound.

Simon White.