

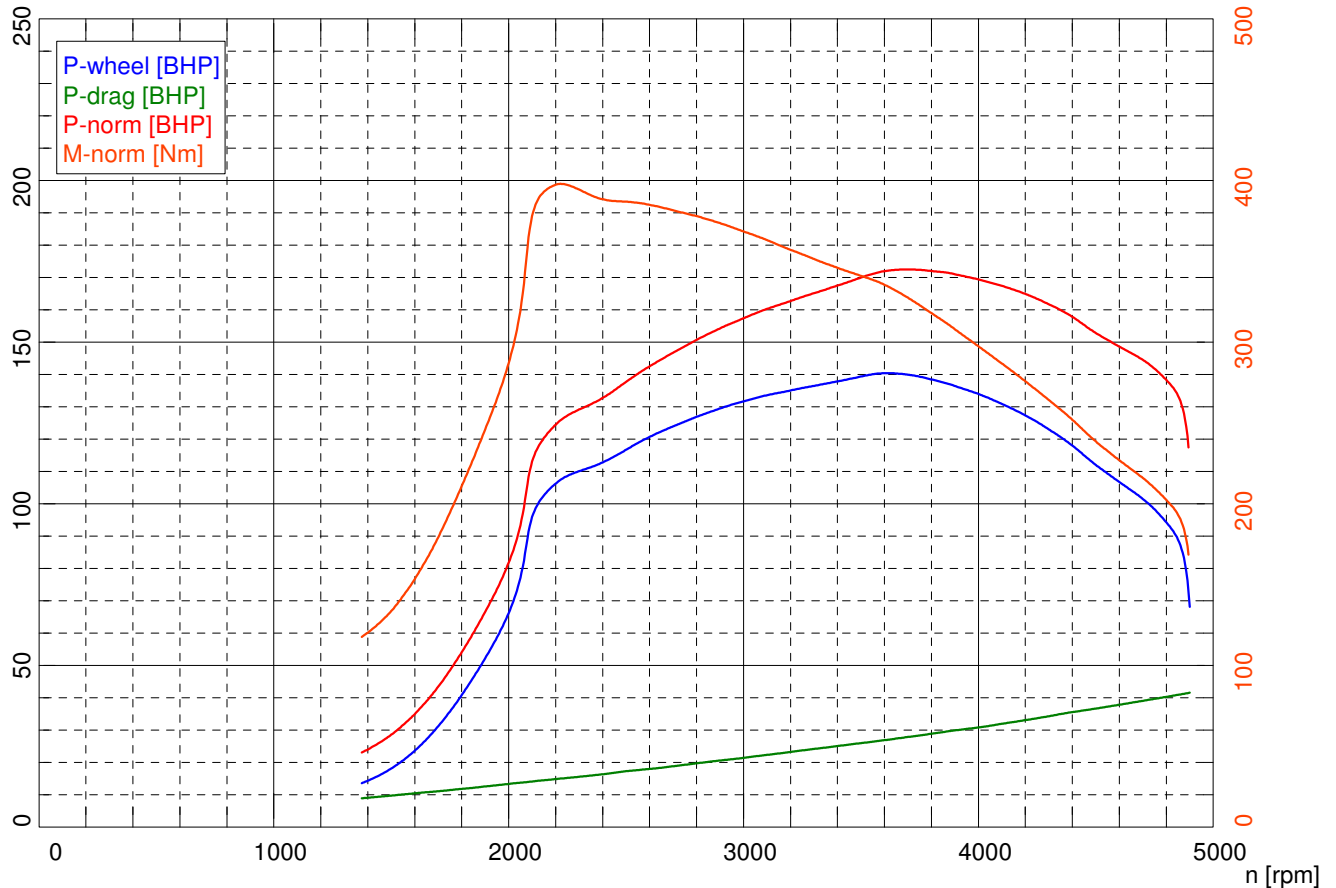
Vehicle type: VW Golf V 2.0TDI 140HP  
 License plate: BT3502BT  
 Inspector: Nikolay Nikolov

Diesel-Motor / Turbo charger (air-cooled)  
 Manual transmission

DPF work  
 No EGR, Chip Tuning

Measurement date: 23.05.2015 (14:45)

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**Power data**

|                    |             |                       |
|--------------------|-------------|-----------------------|
| Corrected power 1) | $P_{Norm}$  | 172.4 BHP / 126.8 kW  |
| Engine power       | $P_{Eng}$   | 167.7 BHP / 123.3 kW  |
| Wheel power        | $P_{Wheel}$ | 139.9 BHP / 102.9 kW  |
| Drag power         | $P_{Drag}$  | 27.8 BHP / 20.4 kW    |
| Max. power at      |             | 3695 rpm / 126.2 km/h |
| Torque 1)          | $M_{Norm}$  | 397.7 Nm              |
| Max. Torque at     |             | 2220 rpm / 75.9 km/h  |
| Max. attained RPM  |             | 4900 rpm / 167.4 km/h |

1) Correction acc. to DIN 70020  
 Correction factors:  $Q_v = 0.00 \%$

**Ambient data**

|                        |                   |           |
|------------------------|-------------------|-----------|
| Ambient temperature    | $T_{Ambient}$     | 27.4 °C   |
| Intake air temperature | $T_{Intake\ air}$ | 27.2 °C   |
| Relative humidity      | $H_{Air}$         | 42.3 %    |
| Air pressure           | $p_{Air}$         | 988.7 hPa |
| Steam pressure         | $p_{Steam}$       | 15.4 hPa  |
| Oil temperature        | $T_{Oil}$         | ---- °C   |
| Fuel temperature       | $T_{Fuel}$        | ---- °C   |

**Slip**

|                 |                  |           |
|-----------------|------------------|-----------|
| Speed no load   | $v_{no\ load}$   | ---- km/h |
| RPM no load     | $n_{no\ load}$   | ---- rpm  |
| Speed full load | $v_{full\ load}$ | ---- km/h |
| RPM full load   | $n_{full\ load}$ | ---- rpm  |
| Slip            |                  | ---- %    |

**Rotating mass**

|                                |                   |                       |
|--------------------------------|-------------------|-----------------------|
| Average delay run down 1       | $a_1$             | ---- m/s <sup>2</sup> |
| Average Brake force run down 1 | $F_1$             | ---- N                |
| Average delay run down 2       | $a_2$             | ---- m/s <sup>2</sup> |
| Average brake force run down 2 | $F_2$             | ---- N                |
| Force of the rotating mass     | $F_{rot-total}$   | ---- N                |
| Rotating total mass            | $m_{rot-total}$   | 310.0 kg              |
| Rotating test stand mass       | $m_{rot-dyno}$    | 250.0 kg              |
| Rotating vehicle mass          | $m_{rot-vehicle}$ | 60.0 kg               |