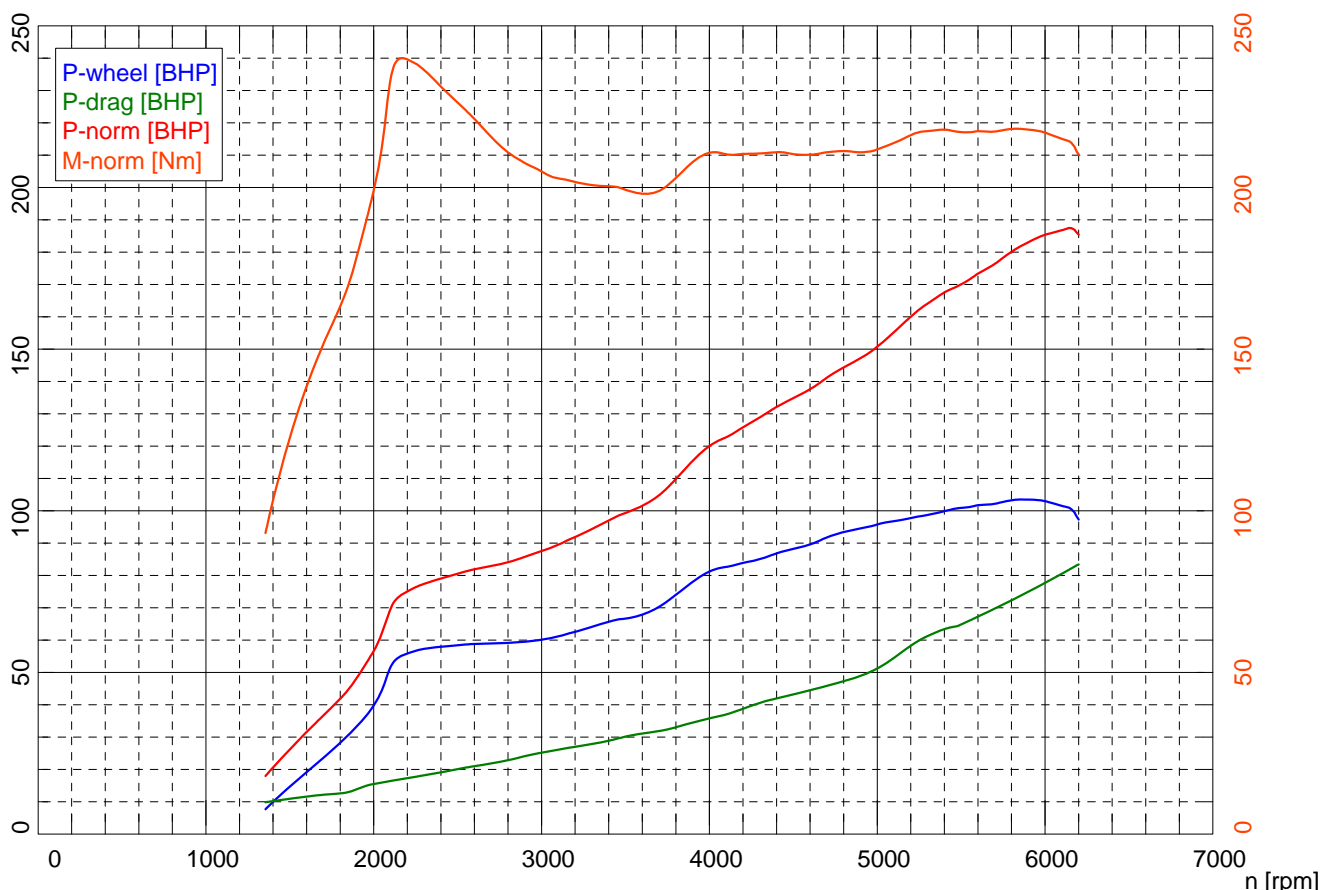


Vehicle type: BMW E46 323i
License plate: 354
Inspector: S-TESTER

Otto-Motor / No or mechanical charger
Manual transmission
Rear drive

Measurement date: 19.09.2012 (12:42)

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Power data

Corrected power 1) P_{Norm} 187.5 BHP / 137.9 kW
Engine power P_{Eng} 182.7 BHP / 134.4 kW
Wheel power P_{Wheel} 100.9 BHP / 74.2 kW
Drag power P_{Drag} 81.8 BHP / 60.1 kW
Max. power at 6145 rpm / 206.0 km/h
Torque 1) M_{Norm} 239.9 Nm
Max. Torque at 2170 rpm / 72.8 km/h
Max. attained RPM 6200 rpm / 208.0 km/h

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

Ambient data

Ambient temperature $T_{Ambient}$ 30.8 °C
Intake air temperature $T_{Intake\ air}$ 31.5 °C
Relative humidity H_{Air} 75.8 %
Air pressure p_{Air} 1006.4 hPa
Steam pressure p_{Steam} 33.6 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/s²
Average Brake force run down 1 F_1 ---- N
Average delay run down 2 a_2 ---- m/s²
Average brake force run down 2 F_2 ---- N
Force of the rotating mass $F_{rot-total}$ ---- N
Rotating total mass $m_{rot-total}$ 330.0 kg
Rotating test stand mass $m_{rot-dyno}$ 250.0 kg
Rotating vehicle mass $m_{rot-vehicle}$ 80.0 kg