

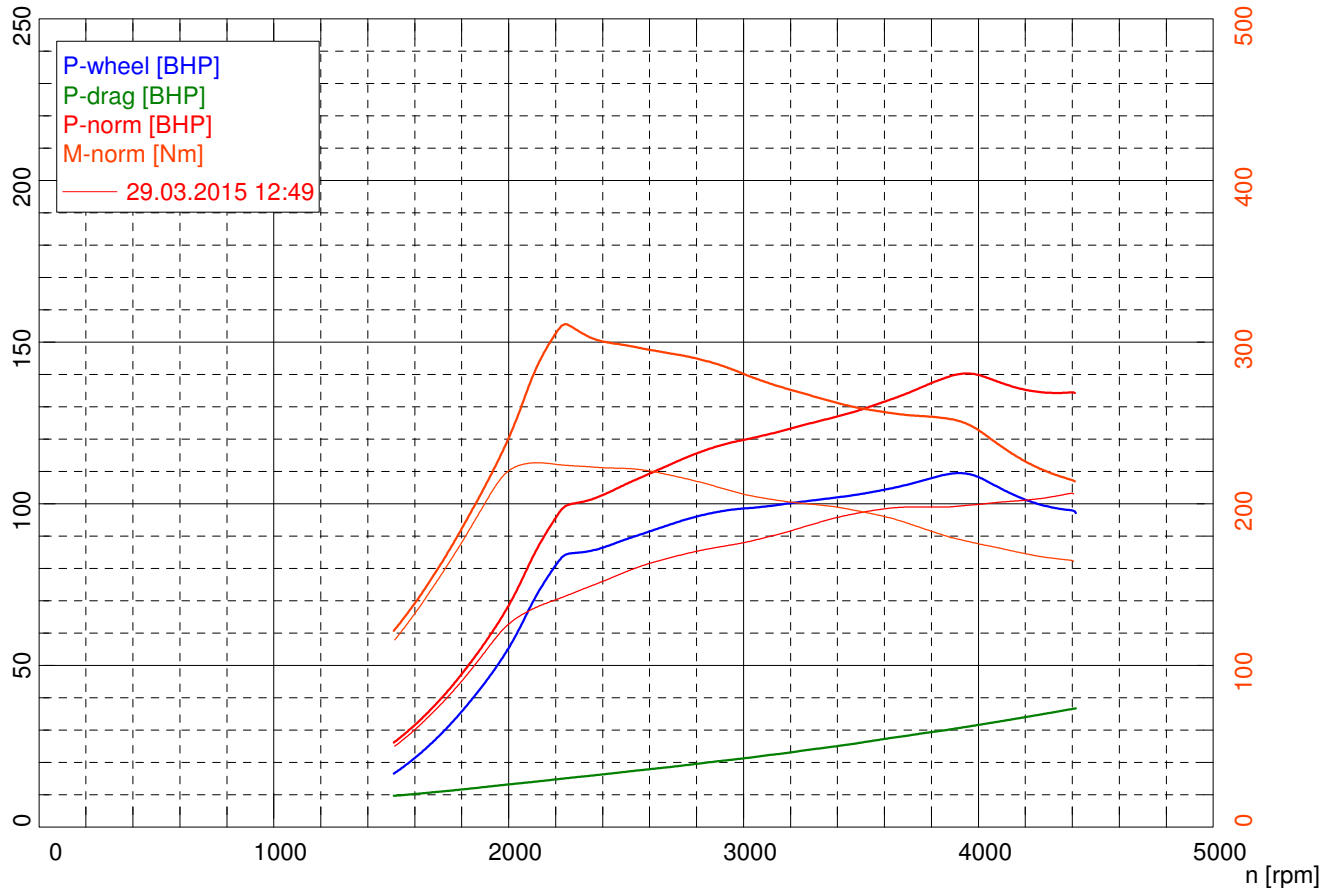
Vehicle type: VW Touran 1.6TDI 105cv
 License plate: BT0955BX
 Inspector: Milen Milanov

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

Chip tuned

Measurement date: 29.03.2015 (12:37)

Page 1



Power data

Corrected power 1)	P_{Norm}	140.2 BHP / 103.1 kW
Engine power	P_{Eng}	140.2 BHP / 103.1 kW
Wheel power	P_{Wheel}	109.3 BHP / 80.4 kW
Drag power	P_{Drag}	30.9 BHP / 22.8 kW
Max. power at		3950 rpm / 125.7 km/h
Torque 1)	M_{Norm}	310.9 Nm
Max. Torque at		2240 rpm / 71.4 km/h
Max. attained RPM		4415 rpm / 140.6 km/h

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

Ambient data

Ambient temperature	$T_{Ambient}$	12.4 °C
Intake air temperature	$T_{Intake\ air}$	11.5 °C
Relative humidity	H_{Air}	67.3 %
Air pressure	p_{Air}	990.0 hPa
Steam pressure	p_{Steam}	9.7 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 ²
Average Brake force run down 1	F_1	---- N
Average delay run down 2	a_2	---- m/s ²
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