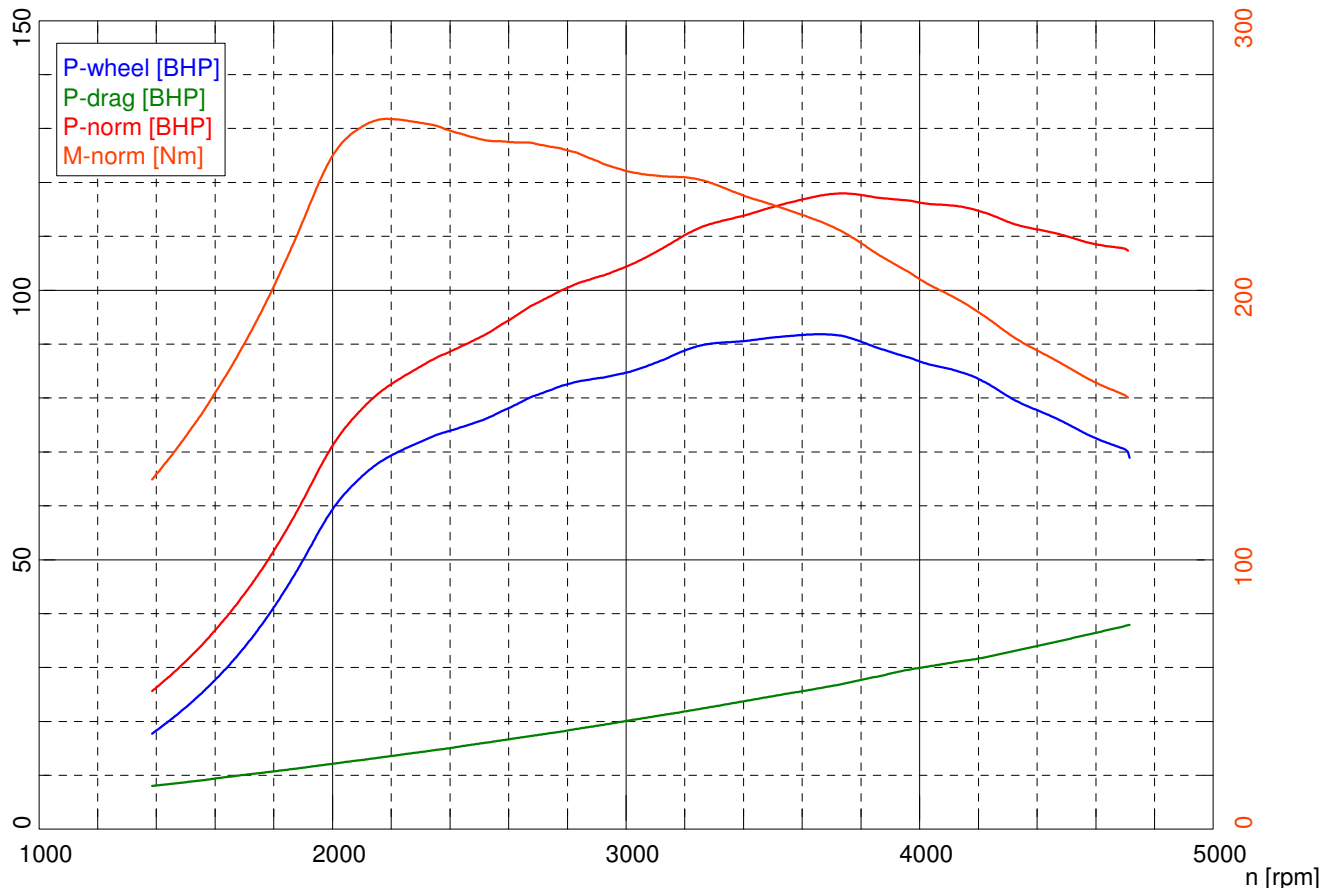


Vehicle type: Ford Focus 1.6DTCI 90BHP
License plate: BT4645BC
Inspector: Nikolay Nikolov

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

Measurement date: 08.06.2016 (19:59)

Page 1



Power data

Corrected power 1)	P_{Norm}	117.9 BHP / 86.7 kW
Engine power	P_{Eng}	118.3 BHP / 87.0 kW
Wheel power	P_{Wheel}	91.5 BHP / 67.3 kW
Drag power	P_{Drag}	26.9 BHP / 19.8 kW
Max. power at		3735 rpm / 130.7 km/h
Torque 1)	M_{Norm}	263.4 Nm
Max. Torque at		2185 rpm / 76.4 km/h
Max. attained RPM		4715 rpm / 165.0 km/h

1) Correction acc. to EWG 80/1269 ($f_m = 0.30$)
Correction factors: $Q_v = 0.00\%$

Ambient data

Ambient temperature	$T_{Ambient}$	23.7 °C
Intake air temperature	$T_{Intake\ air}$	21.4 °C
Relative humidity	H_{Air}	49.6 %
Air pressure	p_{Air}	995.6 hPa
Steam pressure	p_{Steam}	14.5 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