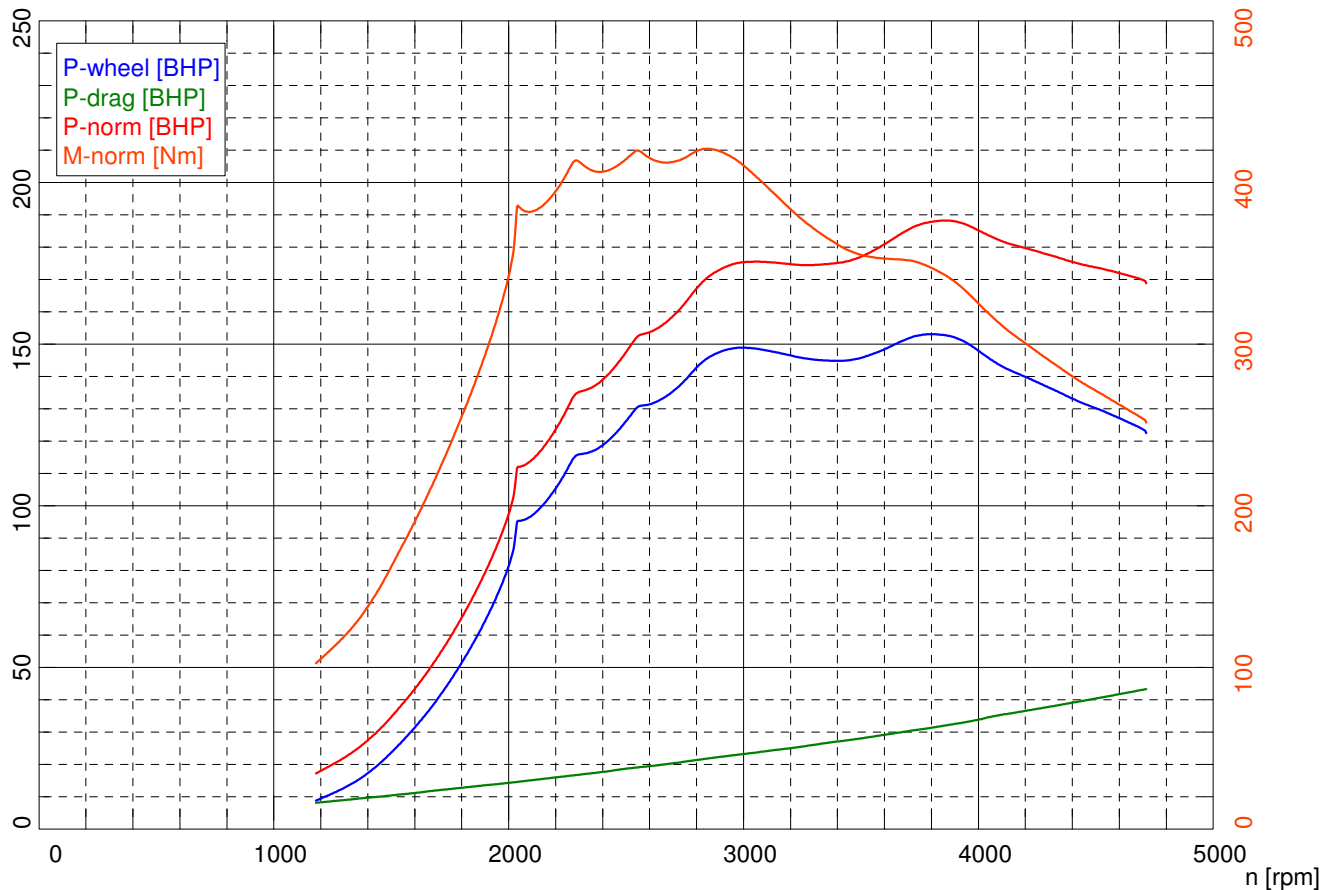


Vehicle type: Seat Leon 1.9TDI ARL 190PS
 License plate: 805H873
 Inspector: Nikolay Nikolov

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

Measurement date: 17.04.2015 (20:12)

Page 1



Power data		Ambient data	
Corrected power ¹⁾	P_{Norm} 188.1 BHP / 138.4 kW	Ambient temperature	$T_{Ambient}$ 24.3 °C
Engine power	P_{Eng} 184.6 BHP / 135.8 kW	Intake air temperature	$T_{Intake\ air}$ 22.4 °C
Wheel power	P_{Wheel} 152.6 BHP / 112.2 kW	Relative humidity	H_{Air} 47.5 %
Drag power	P_{Drag} 32.1 BHP / 23.6 kW	Air pressure	p_{Air} 990.5 hPa
Max. power at	3865 rpm / 140.2 km/h	Steam pressure	p_{Steam} 14.4 hPa
Torque ¹⁾	M_{Norm} 420.7 Nm	Oil temperature	T_{Oil} ---- °C
Max. Torque at	2845 rpm / 103.2 km/h	Fuel temperature	T_{Fuel} ---- °C
Max. attained RPM	4715 rpm / 171.2 km/h		
¹⁾ Correction acc. to DIN 70020 Correction factors: $Q_v = 0.00$ %			
Slip		Rotating mass	
Speed no load	$v_{no\ load}$ ---- km/h	Average delay run down 1	a_1 ---- m/s ²
RPM no load	$n_{no\ load}$ ---- rpm	Average Brake force run down 1	F_1 ---- N
Speed full load	$v_{full\ load}$ ---- km/h	Average delay run down 2	a_2 ---- m/s ²
RPM full load	$n_{full\ load}$ ---- rpm	Average brake force run down 2	F_2 ---- N
Slip	---- %	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