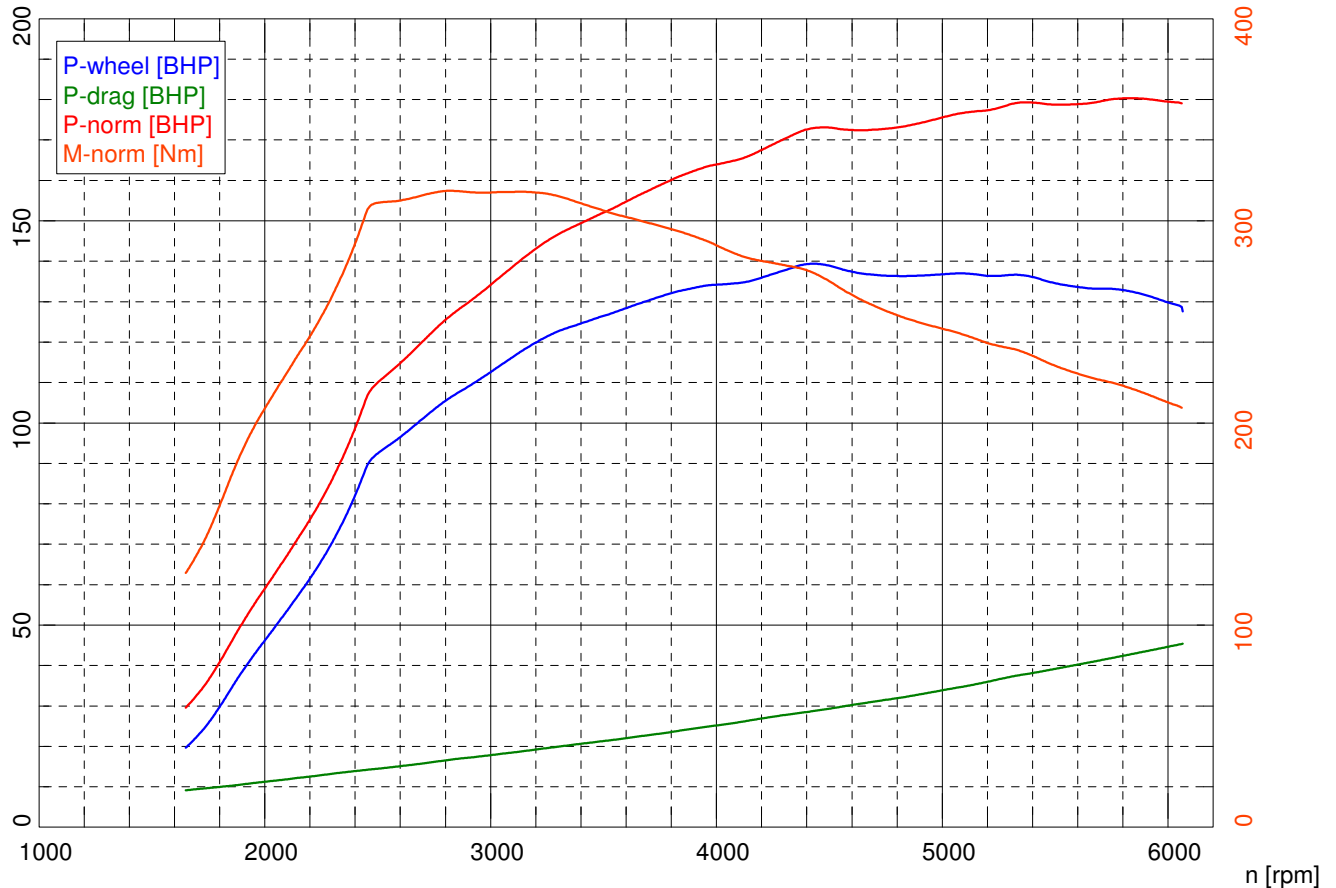


Vehicle type: Renault Laguna 2.0T
 License plate: CA3180XX
 Inspector: Nikolay Nikolov

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

Measurement date: 11.07.2015 (15:14)

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Power data		Ambient data	
Corrected power ¹⁾	P_{Norm} 180.3 BHP / 132.6 kW	Ambient temperature	$T_{Ambient}$ 29.0 °C
Engine power	P_{Eng} 175.2 BHP / 128.8 kW	Intake air temperature	$T_{Intake\ air}$ 26.8 °C
Wheel power	P_{Wheel} 132.6 BHP / 97.5 kW	Relative humidity	H_{Air} 37.5 %
Drag power	P_{Drag} 42.6 BHP / 31.3 kW	Air pressure	p_{Air} 995.7 hPa
Max. power at	5825 rpm / 164.5 km/h	Steam pressure	p_{Steam} 15.0 hPa
Torque ¹⁾	M_{Norm} 314.7 Nm	Oil temperature	T_{Oil} ---- °C
Max. Torque at	2820 rpm / 79.7 km/h	Fuel temperature	T_{Fuel} ---- °C
Max. attained RPM	6065 rpm / 171.4 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