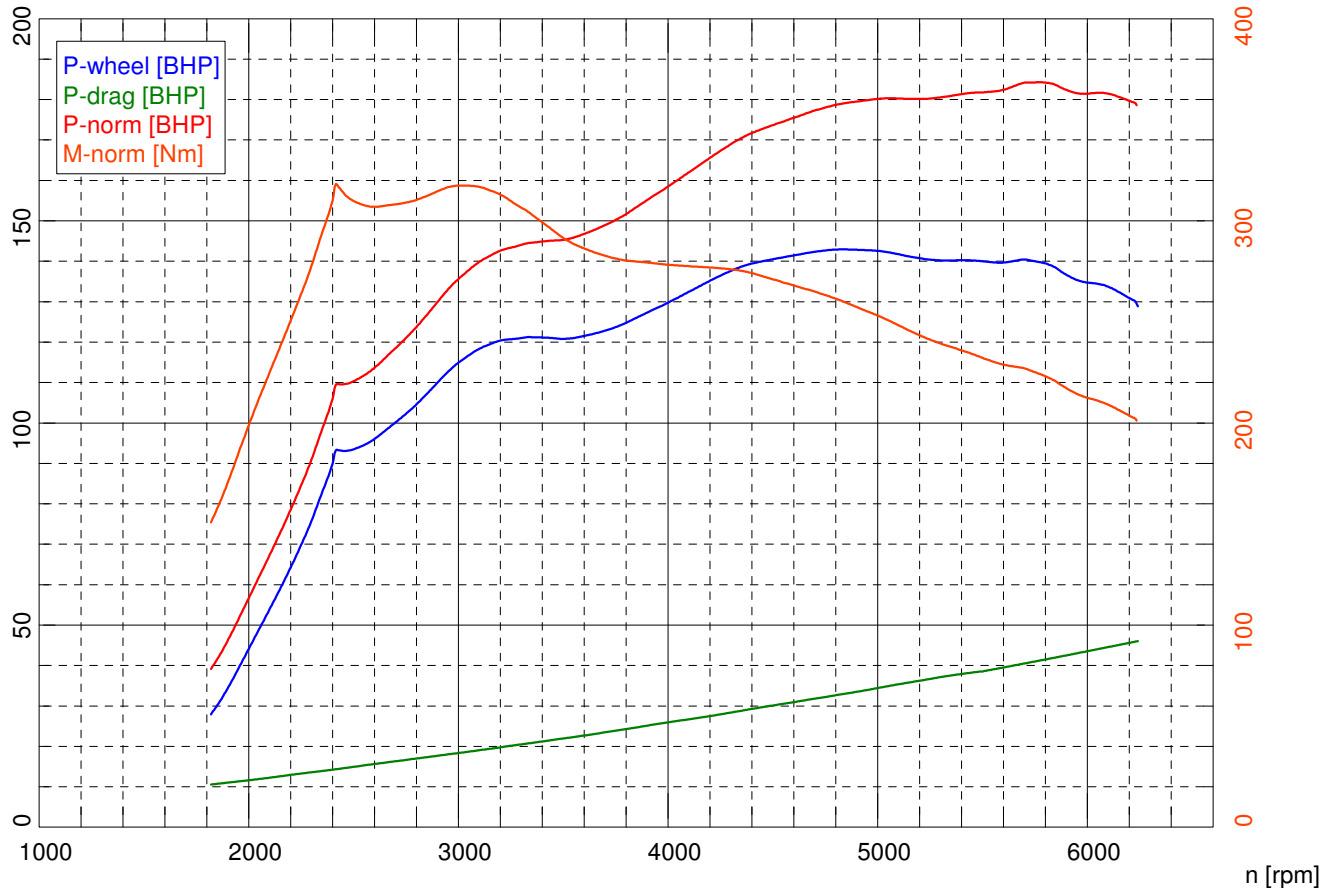


Vehicle type: Renault VelSatis 2.0T
 License plate: P1476BB
 Inspector: Nikolay Nikolov

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

Measurement date: 22.05.2016 (12:36)

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Power data		Ambient data	
Corrected power 1)	P_{Norm} 184.2 BHP / 135.5 kW	Ambient temperature	$T_{Ambient}$ 22.8 °C
Engine power	P_{Eng} 180.9 BHP / 133.0 kW	Intake air temperature	$T_{Intake\ air}$ 21.1 °C
Wheel power	P_{Wheel} 139.7 BHP / 102.7 kW	Relative humidity	H_{Air} 53.3 %
Drag power	P_{Drag} 41.2 BHP / 30.3 kW	Air pressure	p_{Air} 996.6 hPa
Max. power at	5775 rpm / 152.3 km/h	Steam pressure	p_{Steam} 14.8 hPa
Torque 1)	M_{Norm} 318.2 Nm	Oil temperature	T_{Oil} ---- °C
Max. Torque at	2415 rpm / 63.7 km/h	Fuel temperature	T_{Fuel} ---- °C
Max. attained RPM	6240 rpm / 164.5 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