

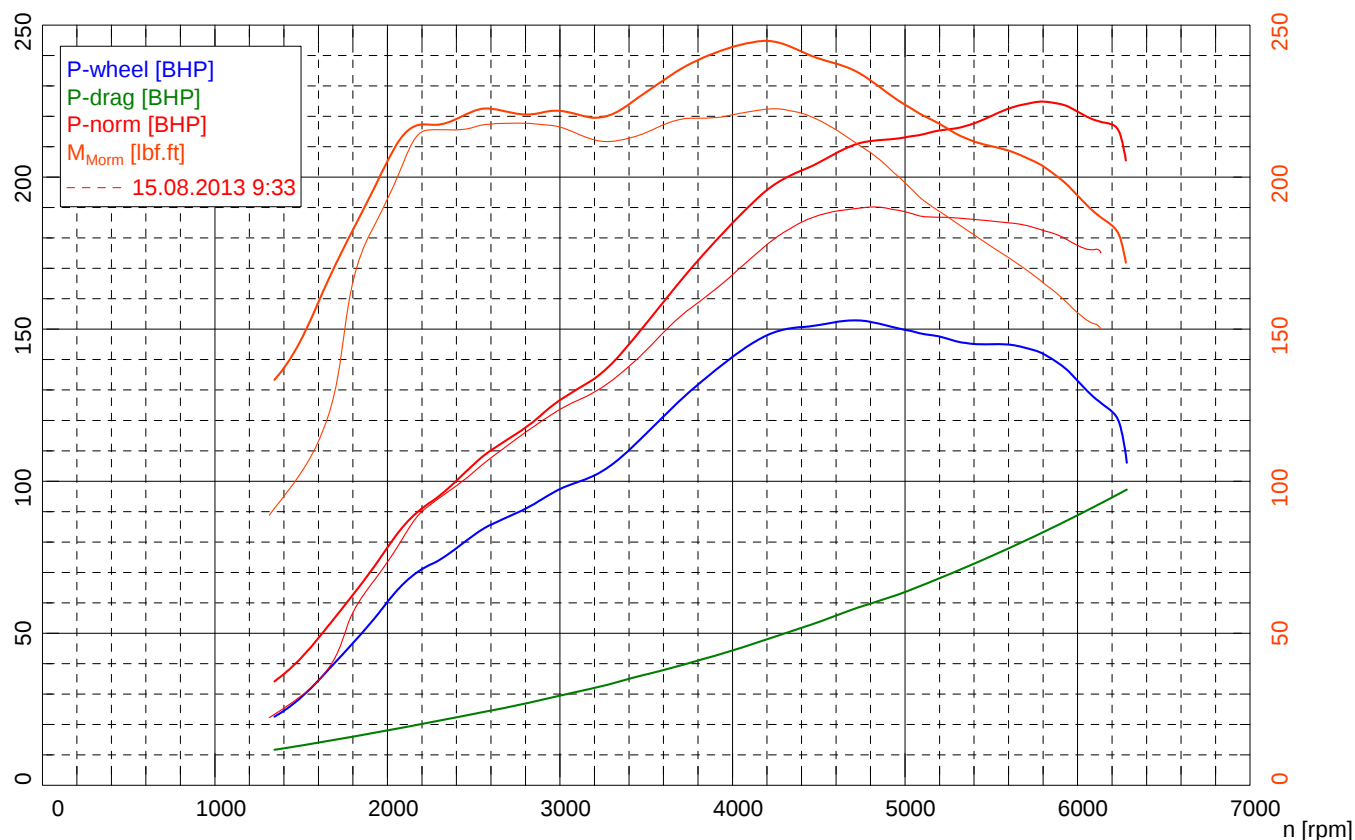
Vehicle type: PEUGEOT 208 GTI
License plate: VN13RXT
Inspector: COOKSON

Otto-Motor / Turbo charger (water-cooled)
Manual transmission
Front drive

COMPARISON

Measurement date: 15.08.2013 (11:21)

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Power data

Corrected power ¹⁾	P_{Norm}	224.8 BHP / 167.6 kW
Engine power	P_{Eng}	225.1 BHP / 167.8 kW
Wheel power	P_{Wheel}	142.1 BHP / 105.9 kW
Drag power	P_{Drag}	83.0 BHP / 61.9 kW
Max. power at		5795 rpm / 128.6 mph
Torque ¹⁾	M_{Morm}	244.8 lb.ft
Max. Torque at		4195 rpm / 93.2 mph
Max. attained RPM		6285 rpm / 139.6 mph

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

Ambient data

Ambient temperature	$T_{Ambient}$	19.5 °C
Intake air temperature	$T_{Intake\ air}$	21.8 °C
Relative humidity	H_{Air}	91.0 %
Air pressure	p_{Air}	1017.4 hPa
Steam pressure	p_{Steam}	20.6 hPa
Oil temperature	T_{Oil}	22.0 °C
Fuel temperature	T_{Fuel}	----- °C

Slip

Speed no load	$V_{no\ load}$	----- mph
RPM no load	$n_{no\ load}$	----- rpm
Speed full load	$V_{full\ load}$	----- mph
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	----- lbf
Average delay run down 2	a_2	----- m/s ²
Average brake force run down 2	F_2	----- lbf
Force of the rotating mass	$F_{rot-total}$	----- lbf
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