

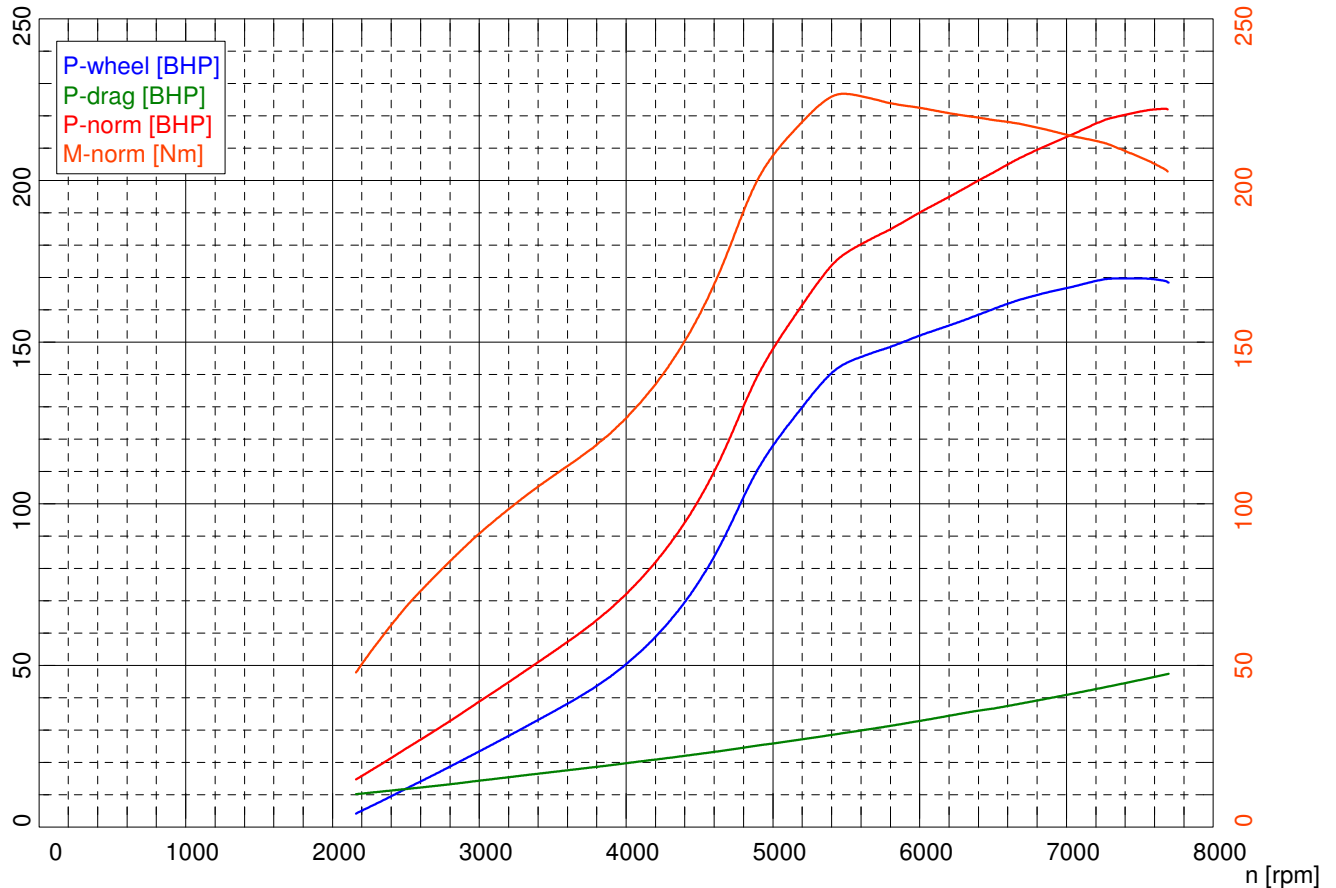
Vehicle type: Renault Clio R3 Rally  
 License plate: H3800BK  
 Inspector: Nikolay Nikolov

Otto-Motor / No or mechanical charger  
 Manual transmission

R3 camshafts, rods, pistons, light flywheel + ceramix clutch kit  
 open custom exhaust e.t.c

Measurement date: 05.05.2015 (15:00)

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**Power data**

Corrected power 1)	$P_{Norm}$	222.1 BHP / 163.3 kW
Engine power	$P_{Eng}$	215.9 BHP / 158.8 kW
Wheel power	$P_{Wheel}$	168.8 BHP / 124.2 kW
Drag power	$P_{Drag}$	47.1 BHP / 34.7 kW
Max. power at		7675 rpm / 142.5 km/h
Torque 1)	$M_{Norm}$	226.7 Nm
Max. Torque at		5480 rpm / 101.9 km/h
Max. attained RPM		7695 rpm / 143.0 km/h

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

**Ambient data**

Ambient temperature	$T_{Ambient}$	27.5 °C
Intake air temperature	$T_{Intake\ air}$	25.6 °C
Relative humidity	$H_{Air}$	43.7 %
Air pressure	$p_{Air}$	994.3 hPa
Steam pressure	$p_{Steam}$	16.0 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 <sup>2</sup>
Average Brake force run down 1	$F_1$	---- N
Average delay run down 2	$a_2$	---- m/s <sup>2</sup>
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