

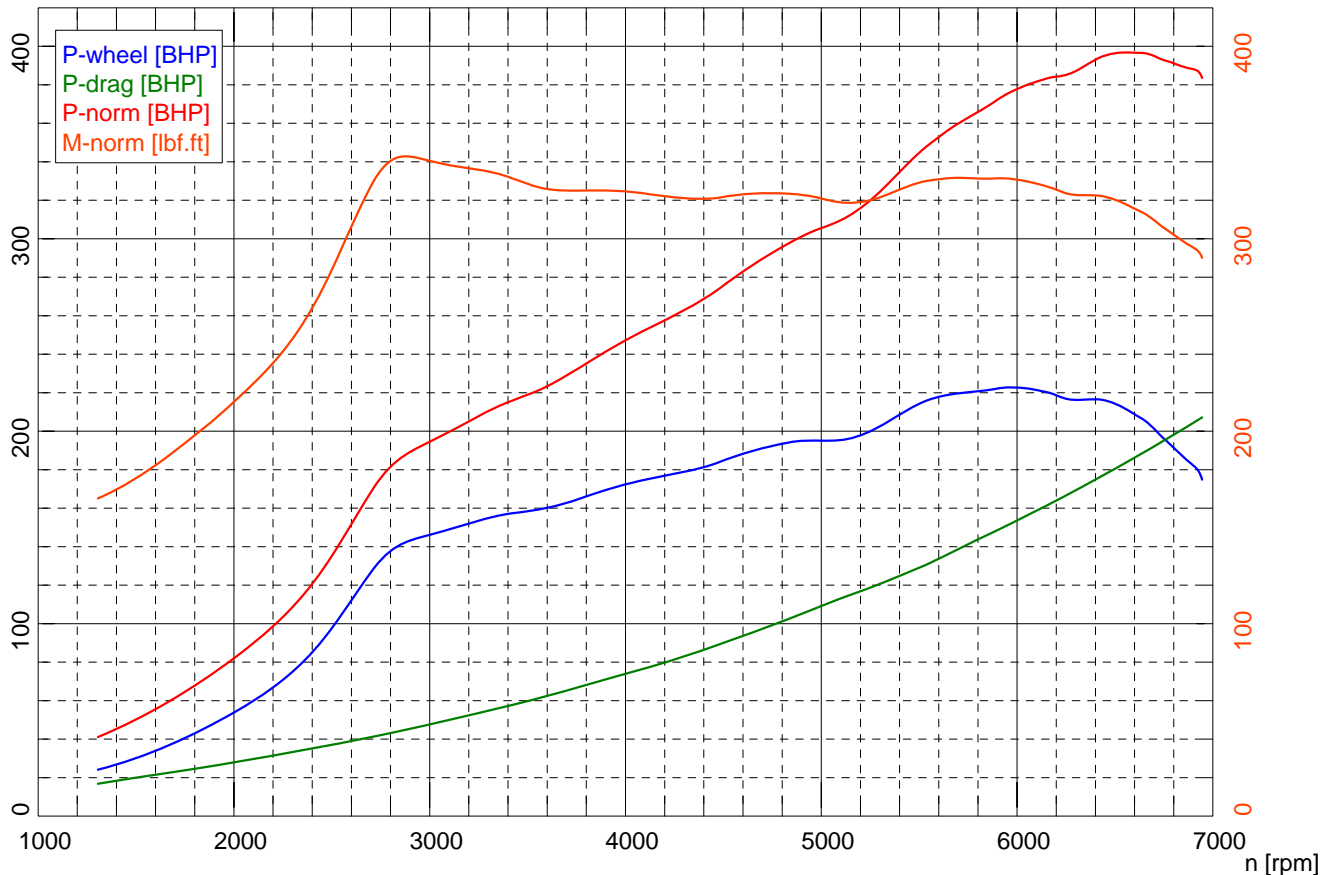
Vehicle type: AUDI RS4  
 License plate: J5MGO  
 Inspector: COOKSON

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

COMPARISON (MILLTEK VS SCORPION EXHAUST)

Measurement date: 23.09.2011 (14:15)

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**Power data**

Corrected power 1)	$P_{Norm}$	396.7 BHP / 295.9 kW
Engine power	$P_{Eng}$	395.1 BHP / 294.6 kW
Wheel power	$P_{Wheel}$	211.2 BHP / 157.5 kW
Drag power	$P_{Drag}$	183.8 BHP / 137.1 kW
Max. power at		6560 rpm / 145.1 mph
Torque 1)	$M_{Norm}$	342.7 lbf.ft
Max. Torque at		2885 rpm / 63.8 mph
Max. attained RPM		6945 rpm / 153.6 mph

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

**Ambient data**

Ambient temperature	$T_{Ambient}$	21.1 °C
Intake air temperature	$T_{Intake\ air}$	23.6 °C
Relative humidity	$H_{Air}$	61.7 %
Air pressure	$p_{Air}$	1014.9 hPa
Steam pressure	$p_{Steam}$	15.4 hPa
Oil temperature	$T_{Oil}$	21.0 °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**

$a_{1-FA}$	---- m/s <sup>2</sup>	$a_{1-RA}$	---- m/s <sup>2</sup>
$F_{1-FA}$	---- lbf	$F_{1-RA}$	---- lbf
$a_{2-FA}$	---- m/s <sup>2</sup>	$a_{2-RA}$	---- m/s <sup>2</sup>
$F_{2-FA}$	---- lbf	$F_{2-RA}$	---- lbf
$F_{rot-total-FA}$	---- lbf	$F_{rot-total-RA}$	---- lbf
$m_{rot-total-FA}$	310.0 kg	$m_{rot-total-RA}$	310.0 kg
$m_{rot-dyno-FA}$	250.0 kg	$m_{rot-dyno-RA}$	250.0 kg
$m_{rot-vehicle-FA}$	60.0 kg	$m_{rot-vehicle-RA}$	60.0 kg