

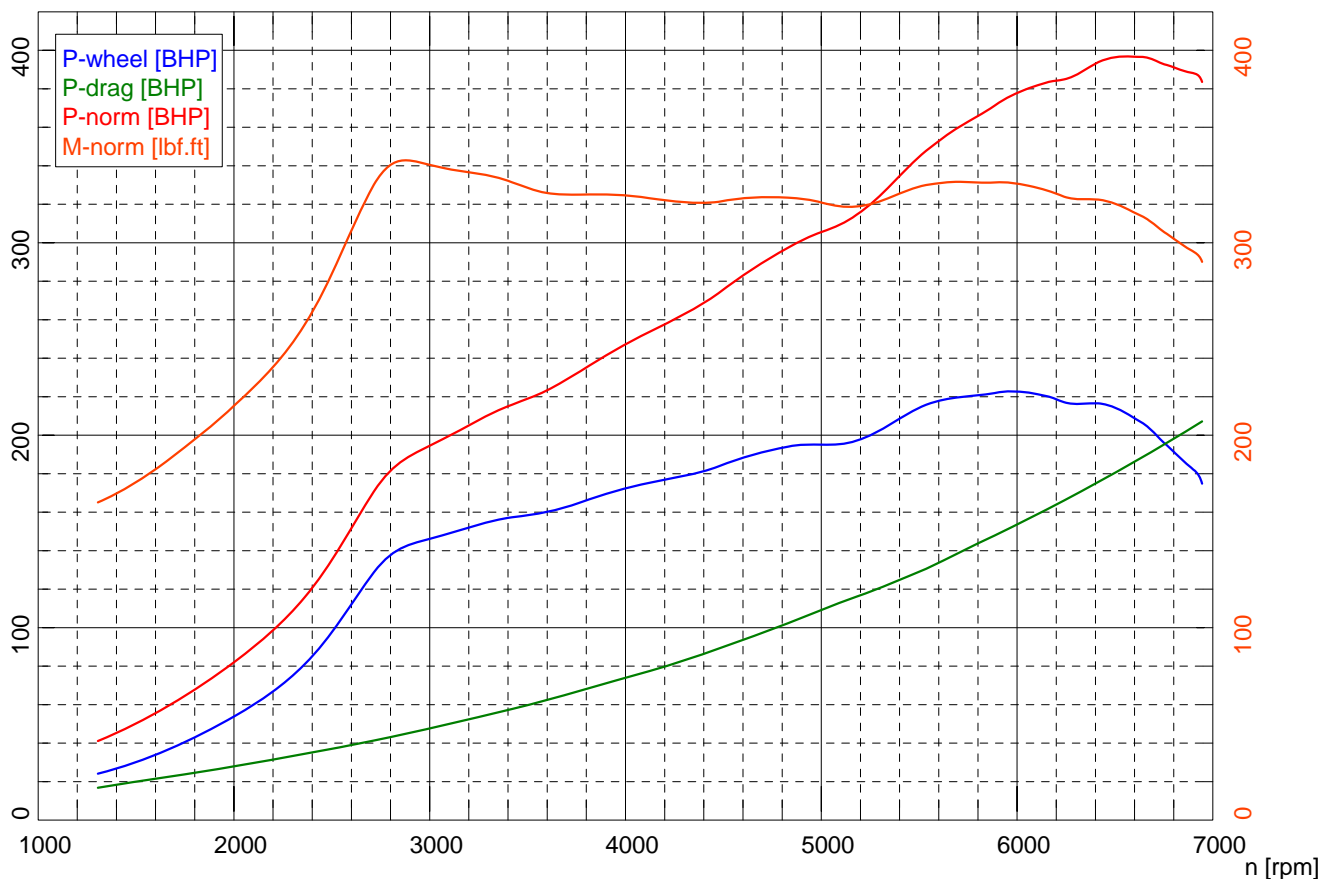
Vehicle type: AUDI RS4
License plate: J5MGO
Inspector: COOKSON

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 lb.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 ²	a_{1-RA} ---- m/s ²
F_{1-FA} ---- lbf	F_{1-RA} ---- lbf
a_{2-FA} ---- m/s ²	a_{2-RA} ---- m/s ²
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