

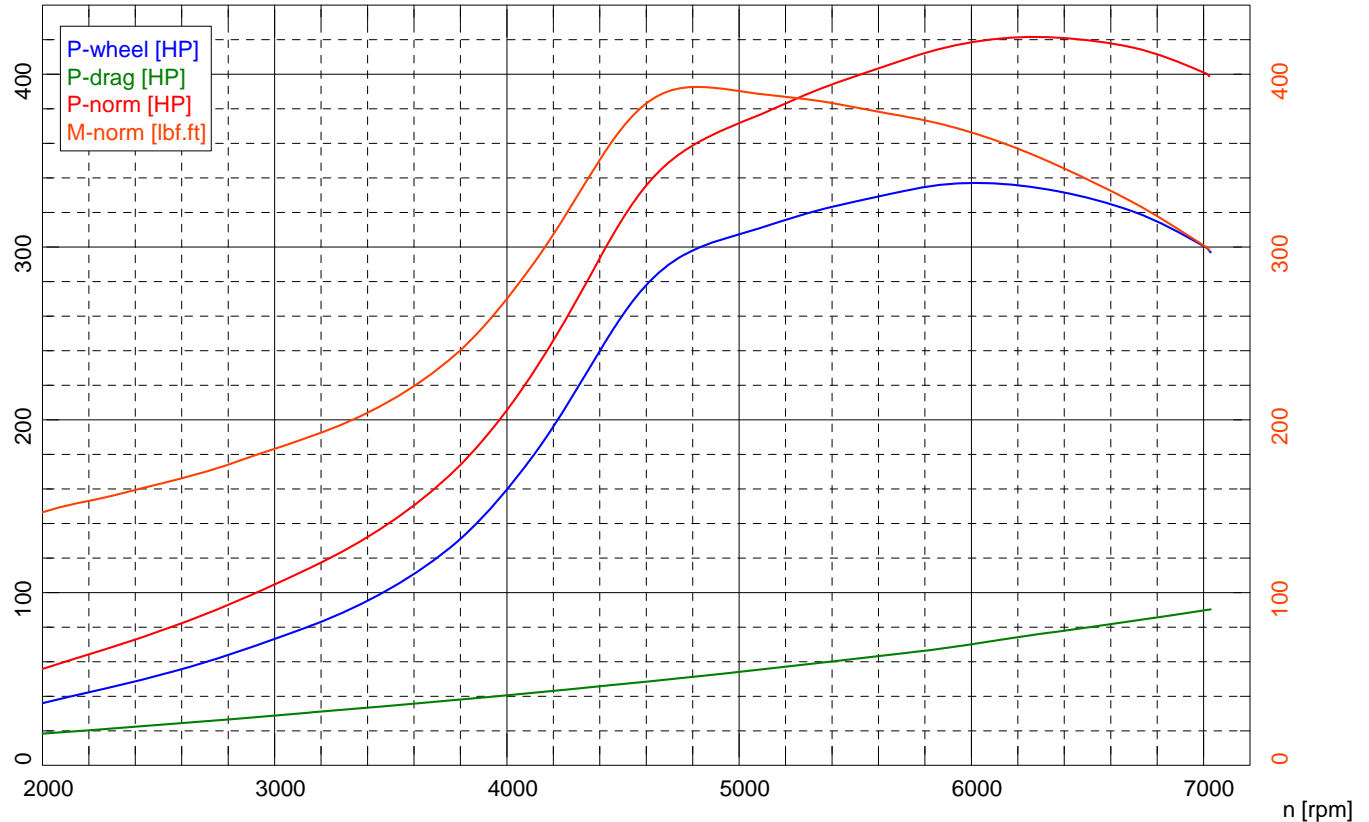
Vehicle type: STI 2007 IAW
License plate: 525718
Inspector:

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

GT30R PERRIN

Measurement date: 18.11.2008 (19:22)

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Power data

Corrected power ¹⁾	P_{Norm}	421.4 HP / 314.3 kW
Engine power	P_{Eng}	409.9 HP / 305.7 kW
Wheel power	P_{Wheel}	335.0 HP / 249.8 kW
Drag power	P_{Drag}	75.0 HP / 55.9 kW
Max. power at		6245 rpm / 100.4 mph
Torque ¹⁾	M_{Morm}	392.6 lbf.ft
Max. Torque at		4815 rpm / 77.4 mph
Max. attained RPM		7030 rpm / 113.1 mph

¹⁾ Correction acc. to SAE J 1349
Correction factors: $Q_v = 0.00\%$

Ambient data

Ambient temperature	$T_{Ambient}$	84.0 F
Intake air temperature	$T_{Intake\ air}$	82.4 F
Relative humidity	H_{Air}	15.5 %
Air pressure	p_{Air}	978.4 hPa
Steam pressure	p_{Steam}	6.2 hPa
Oil temperature	T_{Oil}	---- F
Fuel temperature	T_{Fuel}	---- F

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}	---- mph/s	a_{1-RA}	---- mph/s
F_{1-FA}	---- lbf	F_{1-RA}	---- lbf
a_{2-FA}	---- mph/s	a_{2-RA}	---- mph/s
F_{2-FA}	---- lbf	F_{2-RA}	---- lbf
$F_{rot-total-FA}$	---- lbf	$F_{rot-total-RA}$	---- lbf
$m_{rot-total-FA}$	683.4 lb	$m_{rot-total-RA}$	793.7 lb
$m_{rot-dyno-FA}$	551.2 lb	$m_{rot-dyno-RA}$	661.4 lb
$m_{rot-vehicle-FA}$	132.3 lb	$m_{rot-vehicle-RA}$	132.3 lb