

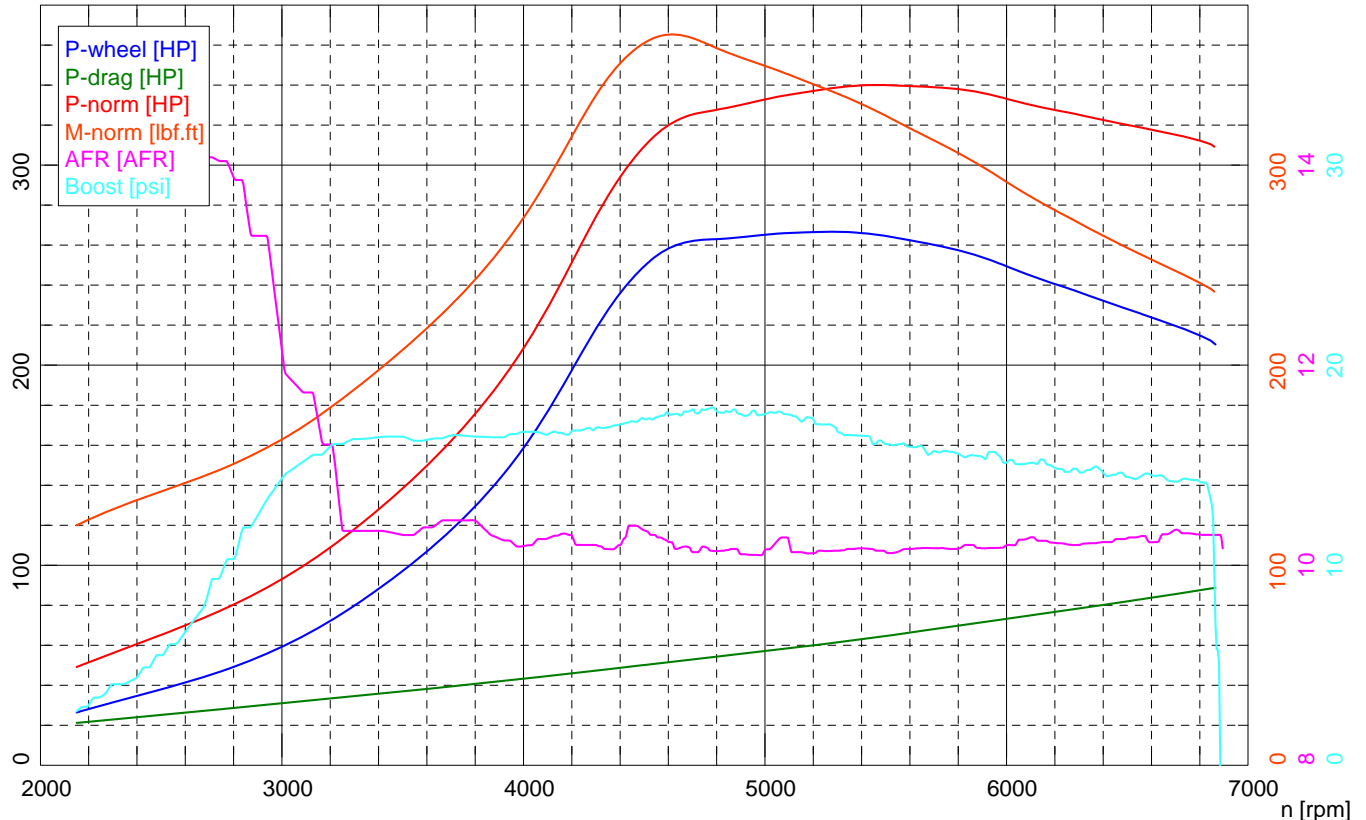
Vehicle type: ST104
License plate: 509414
Inspector: Joe/Clark

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

VF39 TMIC HEADERS,

Measurement date: 26.11.2008 (17:55)

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Power data

Corrected power ¹⁾	P_{Norm}	340.0 HP	/	253.5 kW
Engine power	P_{Eng}	329.2 HP	/	245.5 kW
Wheel power	P_{Wheel}	265.2 HP	/	197.8 kW
Drag power	P_{Drag}	64.0 HP	/	47.7 kW
Max. power at		5465 rpm	/	73.6 mph
Torque ¹⁾	M_{Morm}	365.2 lb.ft		
Max. Torque at		4615 rpm	/	62.2 mph
Max. attained RPM		6865 rpm	/	92.5 mph

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

Ambient data

Ambient temperature	$T_{Ambient}$	76.8 F
Intake air temperature	$T_{Intake\ air}$	72.5 F
Relative humidity	H_{Air}	45.2 %
Air pressure	p_{Air}	973.9 hPa
Steam pressure	p_{Steam}	14.2 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