

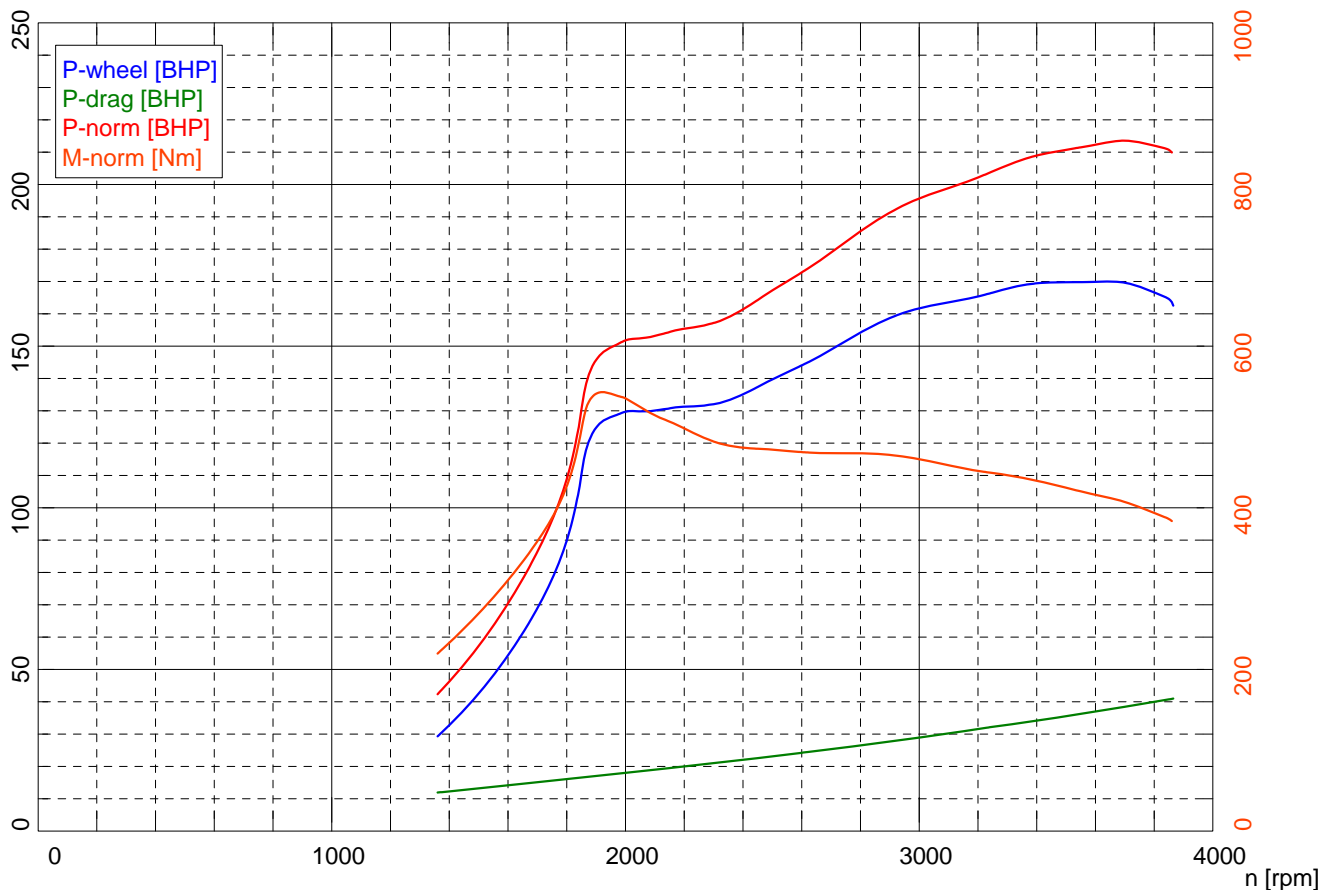
Vehicle type: MITSUBISHI PAJERO SPORT
License plate: 3503
Inspector: W-TESTER

Diesel-Motor / Turbo charger (air-cooled)
Manual transmission
Rear drive

RUN 1

Measurement date: 27.08.2011 (14:23)

Page 1



Power data

Corrected power 1)	P_{Norm}	213.5 BHP / 157.0 kW
Engine power	P_{Eng}	208.0 BHP / 153.0 kW
Wheel power	P_{Wheel}	169.6 BHP / 124.8 kW
Drag power	P_{Drag}	38.3 BHP / 28.2 kW
Max. power at		3685 rpm / 130.8 km/h
Torque 1)	M_{Norm}	543.0 Nm
Max. Torque at		1920 rpm / 68.1 km/h
Max. attained RPM		3865 rpm / 136.9 km/h

1) Correction acc. to SAE J 1349 ($f_m = 0.30$)
Correction factors: $Q_v = 0.00\%$

Ambient data

Ambient temperature	$T_{Ambient}$	32.8 °C
Intake air temperature	$T_{Intake\ air}$	39.7 °C
Relative humidity	H_{Air}	67.5 %
Air pressure	p_{Air}	1003.0 hPa
Steam pressure	p_{Steam}	33.6 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 ²
Average Brake force run down 1	F_1	---- N
Average delay run down 2	a_2	---- m/s ²
Average brake force run down 2	F_2	---- N
Force of the rotating mass	$F_{rot-total}$	---- N
Rotating total mass	$m_{rot-total}$	330.0 kg
Rotating test stand mass	$m_{rot-dyno}$	250.0 kg
Rotating vehicle mass	$m_{rot-vehicle}$	80.0 kg