



Vehicle type: ALFA ROMEO 159 1.9JTDm  
 License plate: OS339IA  
 Inspector: KOSIR

Diesel-Motor / Turbo charger (water-cooled)  
 Manual transmission  
 Front drive

77869 km

Measurement date: 30.07.2012 (14:33)

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### Power data

Corrected power <sup>1)</sup>	$P_{Norm}$	130,0 kW	/	176,8 BHP
Engine power	$P_{Eng}$	125,2 kW	/	170,2 BHP
Wheel power	$P_{Wheel}$	99,3 kW	/	135,0 BHP
Drag power	$P_{Drag}$	25,8 kW	/	35,1 BHP
Max. power at		3635 rpm	/	154,4 km/h
Torque <sup>1)</sup>	$M_{Norm}$	373,3 Nm		
Max. Torque at		2090 rpm	/	88,9 km/h
Max. attained RPM		4425 rpm	/	188,0 km/h

<sup>1)</sup> Correction acc. to EWG 80/1269 ( $f_m = 1,20$ )  
 Correction factors:  $Q_v = 0,00 \%$

### Ambient data

Ambient temperature	$T_{Ambient}$	31,4 °C
Intake air temperature	$T_{Intake\ air}$	29,9 °C
Relative humidity	$H_{Air}$	55,1 %
Air pressure	$p_{Air}$	1004,9 hPa
Steam pressure	$p_{Steam}$	25,3 hPa
Oil temperature	$T_{Oil}$	83,0 °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 <sup>2</sup>
Average Brake force run down 1	$F_1$	----, N
Average delay run down 2	$a_2$	----, m/s <sup>2</sup>
Average brake force run down 2	$F_2$	----, N
Force of the rotating mass	$F_{rot-total}$	----, N
Rotating total mass	$m_{rot-total}$	310,0 kg
Rotating test stand mass	$m_{rot-dyno}$	250,0 kg
Rotating vehicle mass	$m_{rot-vehicle}$	60,0 kg