

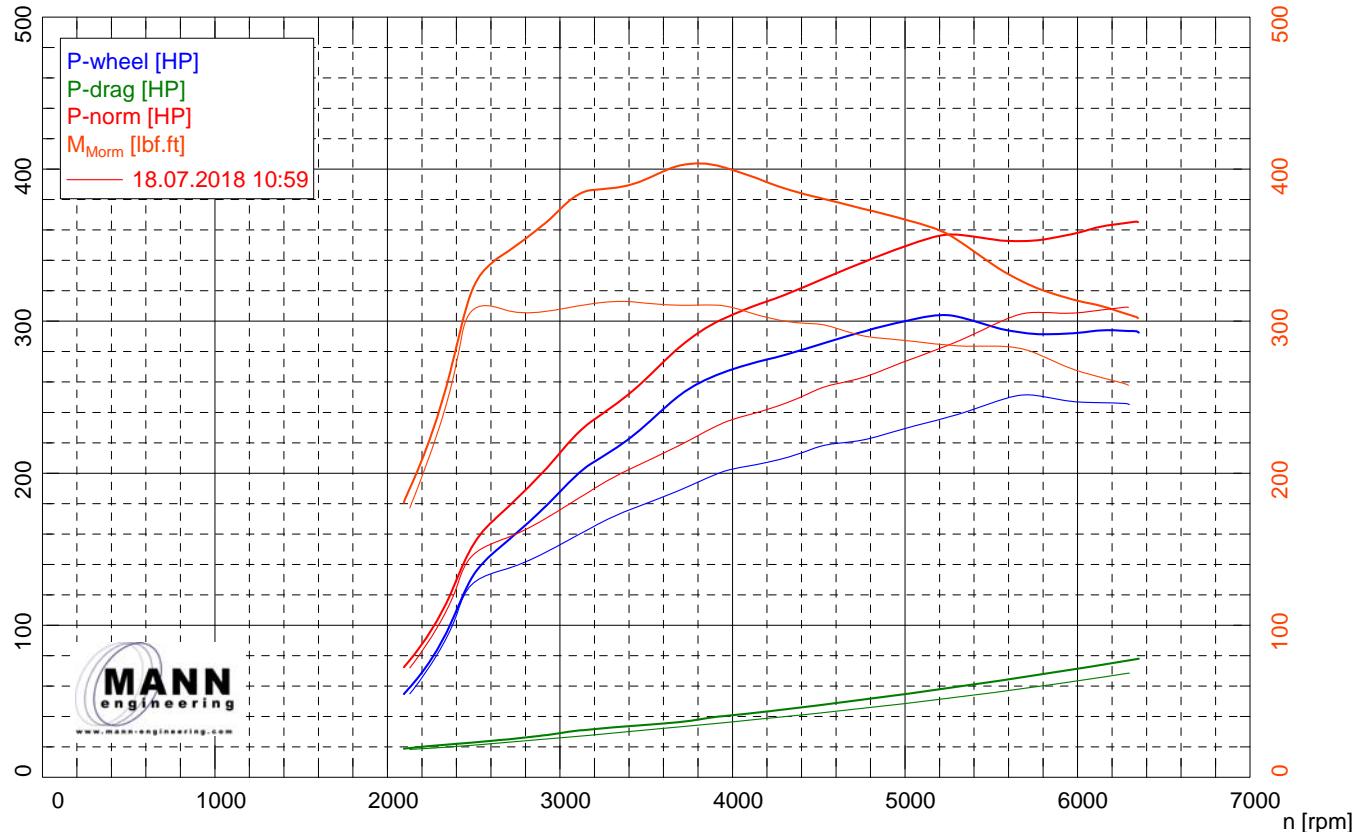
Vehicle type: 2015 Mercedes C400 4Matic
License plate: 8CFF397
Inspector: Gary

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

Retune Flash, 91ACN
Baseline No.3
3rd Gear Pull, Automatic

Measurement date: 07.08.2018 (14:57)

Page 1



Power data

Corrected power ¹⁾	P_{Norm}	365,4 HP / 272,5 kW
Engine power	P_{Eng}	371,0 HP / 276,6 kW
Wheel power	P_{Wheel}	293,3 HP / 218,7 kW
Drag power	P_{Drag}	77,7 HP / 57,9 kW
Max. power at		6340 rpm / 88,6 mph
Torque ¹⁾	M_{Morm}	403,6 lb.ft
Max. Torque at		3810 rpm / 53,3 mph
Max. attained RPM		6355 rpm / 88,8 mph

¹⁾ Correction acc. to SAE J 1349
Correction factors: $Q_v = 0,00\%$, $P_{VA} = 0,00\text{ HP}$

Ambient data

Ambient temperature	$T_{Ambient}$	81,7 F
Intake air temperature	$T_{Intake\ air}$	71,1 F
Relative humidity	H_{Air}	47,6 %
Air pressure	p_{Air}	1014,6 hPa
Steam pressure	p_{Steam}	17,6 hPa
Oil temperature	T_{Oil}	77,0 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
$m_{rot-total-FA}$	705,5 lb	$m_{rot-total-RA}$	815,7 lb
$m_{rot-dyno-FA}$	551,2 lb	$m_{rot-dyno-RA}$	661,4 lb
$m_{rot-vehicle-FA}$	154,3 lb	$m_{rot-vehicle-RA}$	154,3 lb