

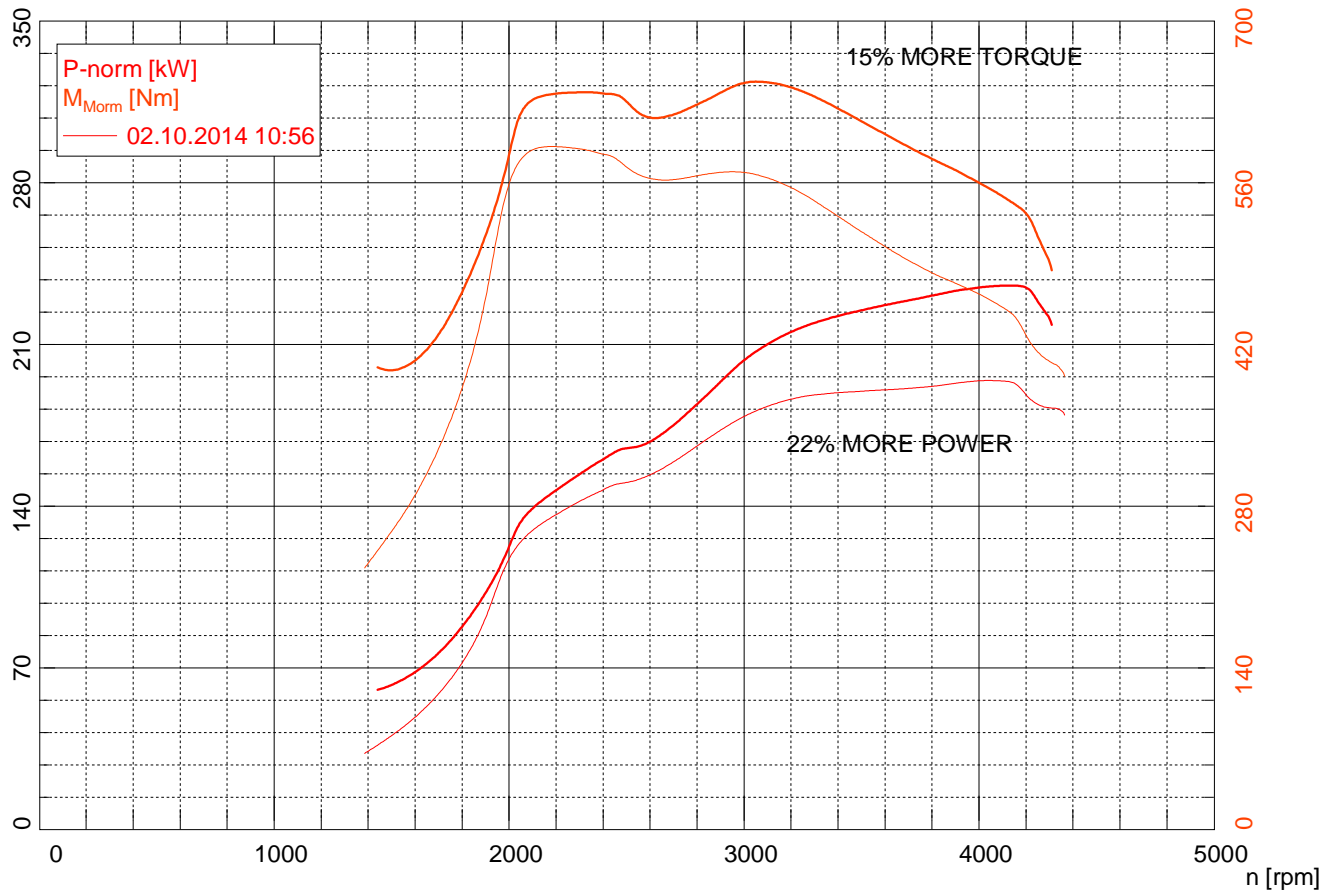
Vehicle type: LR DISCOVERY 4 SDV6 3.0  
 License plate: CML05N  
 Inspector: TW

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

POWER RUN 2  
 VERSION 1 UPGRADE VS STANDARD  
 5TH GEAR

Measurement date: 02.10.2014 (12:08)

Page 1



**Power data**

Corrected power 1)	$P_{Norm}$	235,3 kW / 319,9 BHP
Engine power	$P_{Eng}$	235,0 kW / 319,5 BHP
Wheel power	$P_{Wheel}$	182,9 kW / 248,7 BHP
Drag power	$P_{Drag}$	52,1 kW / 70,8 BHP
Max. power at		4125 rpm / 136,7 km/h
Torque 1)	$M_{Morm}$	647,1 Nm
Max. Torque at		3050 rpm / 101,1 km/h
Max. attained RPM		4315 rpm / 143,1 km/h

1) Correction acc. to DIN 70020  
 Correction factors:  $Q_v = 0,00\%$

**Ambient data**

Ambient temperature	$T_{Ambient}$	26,0 °C
Intake air temperature	$T_{Intake\ air}$	23,1 °C
Relative humidity	$H_{Air}$	27,6 %
Air pressure	$p_{Air}$	1019,4 hPa
Steam pressure	$p_{Steam}$	9,3 hPa
Oil temperature	$T_{Oil}$	22,0 °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**

$a_{1-FA}$	---, m/s <sup>2</sup>	$a_{1-RA}$	---, m/s <sup>2</sup>
$F_{1-FA}$	----, N	$F_{1-RA}$	----, N
$a_{2-FA}$	---, m/s <sup>2</sup>	$a_{2-RA}$	---, m/s <sup>2</sup>
$F_{2-FA}$	----, N	$F_{2-RA}$	----, N
$F_{rot-total-FA}$	----, N	$F_{rot-total-RA}$	----, N
$m_{rot-total-FA}$	360,0 kg	$m_{rot-total-RA}$	385,0 kg
$m_{rot-dyno-FA}$	280,0 kg	$m_{rot-dyno-RA}$	305,0 kg
$m_{rot-vehicle-FA}$	80,0 kg	$m_{rot-vehicle-RA}$	80,0 kg