

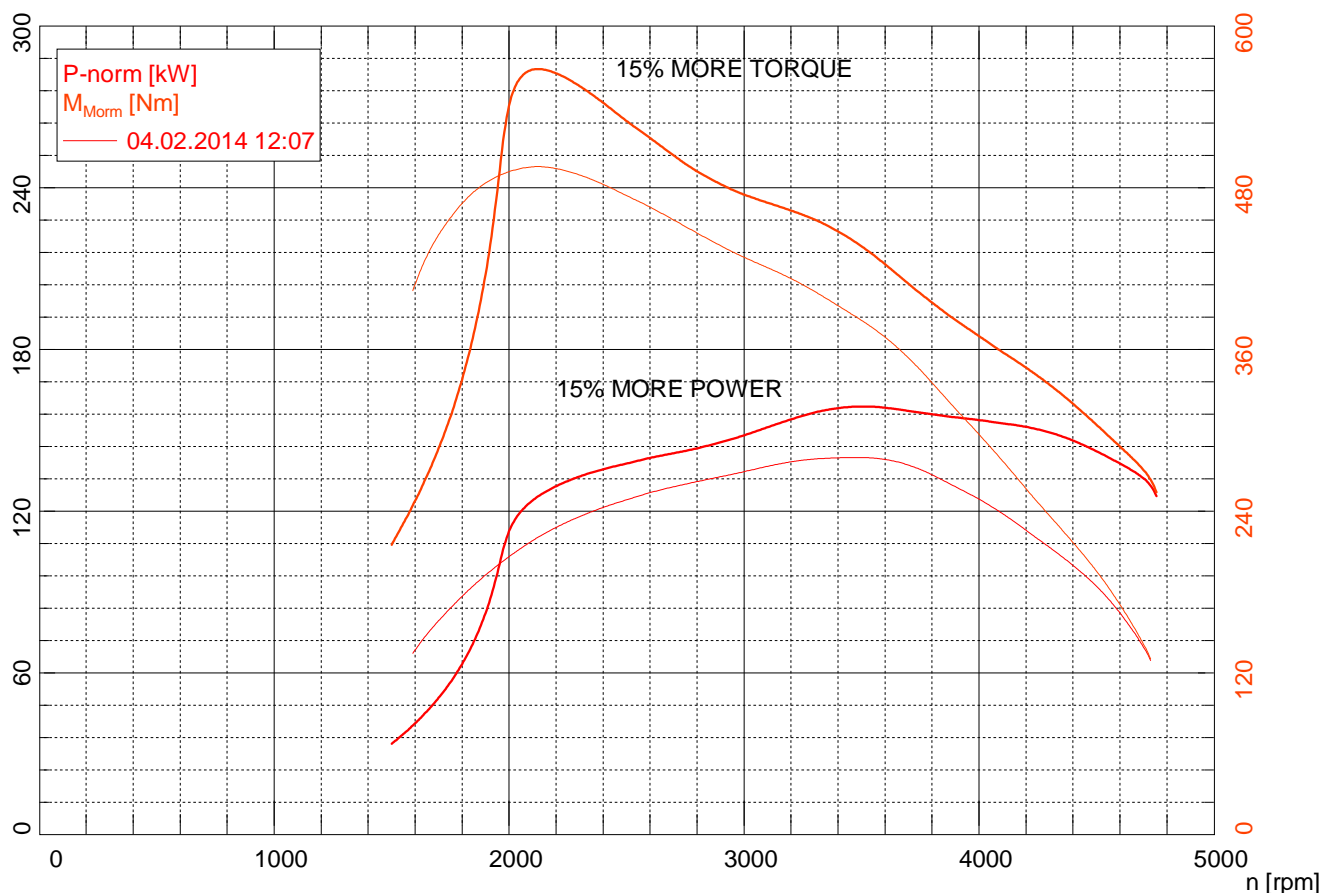
Vehicle type: FORD RANGER 3.2
 License plate: DPL RANGER
 Inspector: TW

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

POWER RUN 2 (3RD GEAR)
 BD UPGRADE VERSION 1 VS STANDARD

Measurement date: 04.02.2014 (12:19)

Page 1



Power data

Corrected power 1)	P_{Norm}	158,7 kW / 215,7 BHP
Engine power	P_{Eng}	157,7 kW / 214,5 BHP
Wheel power	P_{Wheel}	129,8 kW / 176,5 BHP
Drag power	P_{Drag}	27,9 kW / 38,0 BHP
Max. power at		3495 rpm / 86,1 km/h
Torque 1)	M_{Morm}	567,8 Nm
Max. Torque at		2105 rpm / 51,9 km/h
Max. attained RPM		4755 rpm / 116,6 km/h

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

Ambient data

Ambient temperature	$T_{Ambient}$	28,3 °C
Intake air temperature	$T_{Intake\ air}$	26,0 °C
Relative humidity	H_{Air}	60,6 %
Air pressure	p_{Air}	1019,7 hPa
Steam pressure	p_{Steam}	23,3 hPa
Oil temperature	T_{Oil}	25,0 °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 ²	a_{1-RA}	---,--- m/s ²
F_{1-FA}	----,--- N	F_{1-RA}	----,--- N
a_{2-FA}	---,--- m/s ²	a_{2-RA}	---,--- m/s ²
F_{2-FA}	----,--- N	F_{2-RA}	----,--- N
$F_{rot-total-FA}$	----,--- N	$F_{rot-total-RA}$	----,--- N
$m_{rot-total-FA}$	340,0 kg	$m_{rot-total-RA}$	365,0 kg
$m_{rot-dyno-FA}$	280,0 kg	$m_{rot-dyno-RA}$	305,0 kg
$m_{rot-vehicle-FA}$	60,0 kg	$m_{rot-vehicle-RA}$	60,0 kg