



OECD approval number

2/2 207

OECD approval date

Restricted Code

17/12/2004

Make

Challenger

Model

MT 565B

Type

4 WD

T35523AJ113K - 40 km/h

Manufacturer

AGCO S.A.

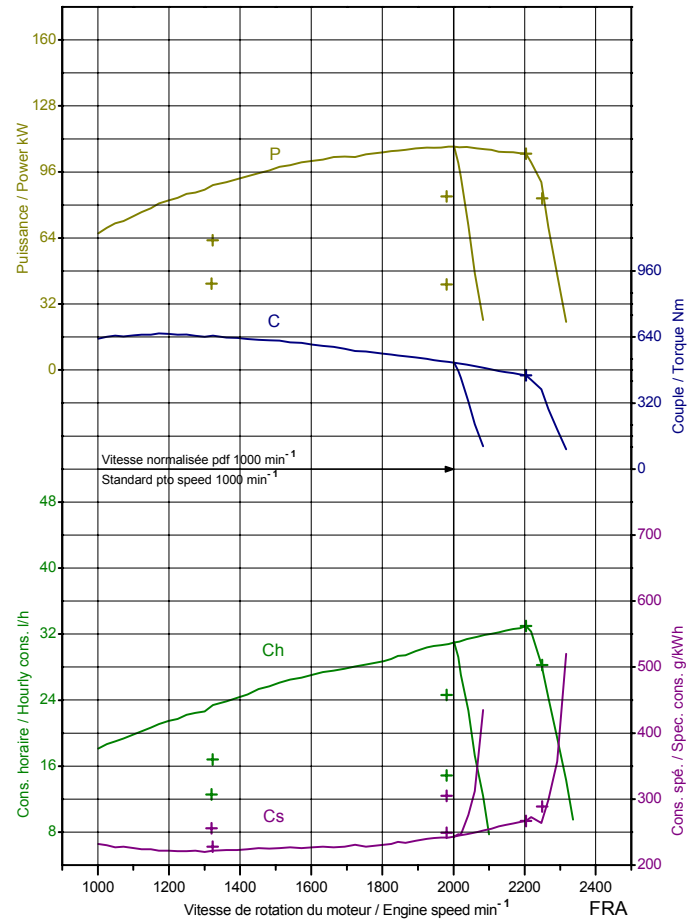
Testing station:

Cemagref, Antony, France

Challenger MT 565B

4 RM/WD

OCDE/OECD 2/2207



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.254 ETA
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6596 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	32	32
<i>Speed at rated engine speed</i>	from 2.36	to 40.00 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	594 min ⁻¹	1100 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	108.3 kW	2002 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		31.01 l/h	243 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	104.9 kW	2204 min ⁻¹	1102 min ⁻¹
<i>Hourly and specific consumption</i>		33.00 l/h	267 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	108.3 kW	2002 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		31.01 l/h	243 g/kWh

Torque rise

44.8 %

Maximum torque, Engine speed corresponding657.7 Nm 1172 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

540/65 R 30 620/70 R 42

Test with tractorunballasted ballasted*Total Mass*

7015 kg

Maximum drawbar pull

67.8 kN

Not

at speed of

2.54 km/h

required

Maximum power

97.4 kW

in

at speed of

8.27 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power*

94.4 l/min

13.8 MPa

21.7 kW

Maximum lifting force*at hitch points, at frame*

73.5 kN

67.8 kN

