



OECD approval number

2/2 307

Restricted Code

OECD approval date

13/01/2006

Make

Challenger

Model

MT 565B

Type

4 WD

F44522AH113K - 32 speeds - 40 km/h

Manufacturer

AGCO S.A.

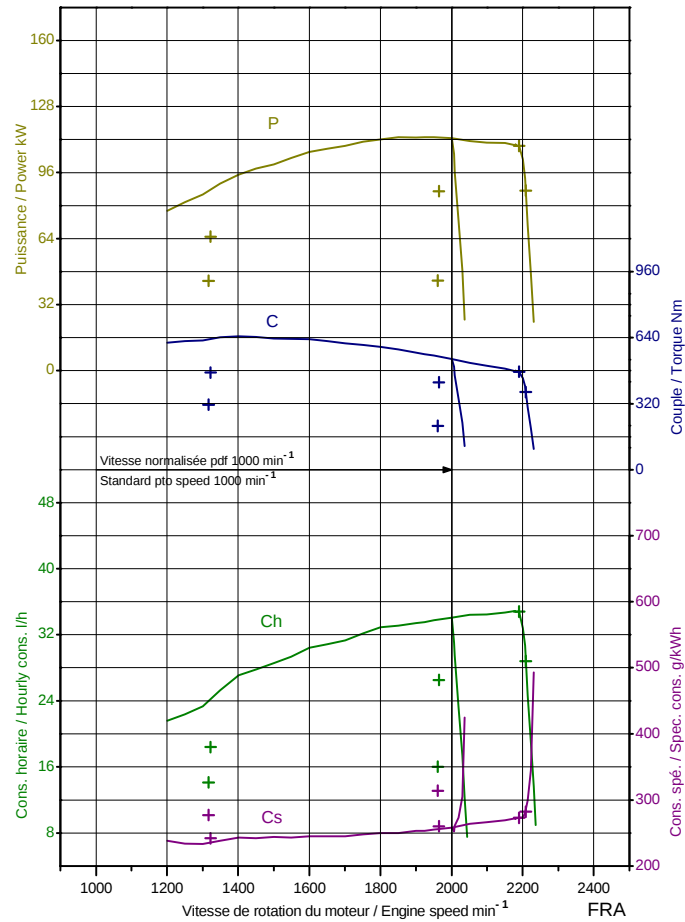
Testing station:

Cemagref, Antony, France

Challenger MT 565 B

4 RM/WD

OCDE/OECD 2/2307



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins / Caterpillar	3056E DITAAC
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 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 2.41 to 40.00 km/h
<i>Standard Power take-off speed</i>		540 min^{-1} 1000 min^{-1}
<i>Power take-off speed at rated engine speed</i>		601 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>	113.2 kW	1950 min^{-1}	975 min^{-1}
<i>Hourly and specific consumption</i>		33.79 l/h	255 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	109.0 kW	2190 min^{-1}	1095 min^{-1}
<i>Hourly and specific consumption</i>		34.83 l/h	273 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	112.7 kW	2000 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		34.08 l/h	258 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		647.3 Nm	1401 min^{-1}
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Drawbar Test*Front tyres, Rear tyres*

420/90 R 30 520/85 R 42

Test with tractorunballasted ballasted*Total Mass*

6655 kg

Maximum drawbar pull

59.0 kN

Not

at speed of

2.07 km/h

required

Maximum power

93.2 kW

in

at speed of

7.84 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

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

85.2 l/min

14.9 MPa

21.2 kW

Maximum lifting force*at hitch points, at frame*

72.7 kN

77.4 kN

