



OECD approval number

2/2 332

Restricted Code

15/03/2006

OECD approval date

Make

Challenger

Model

MT 465B

Type

4 WD

D32222AF611K - 40 km/h

Manufacturer

AGCO S.A.

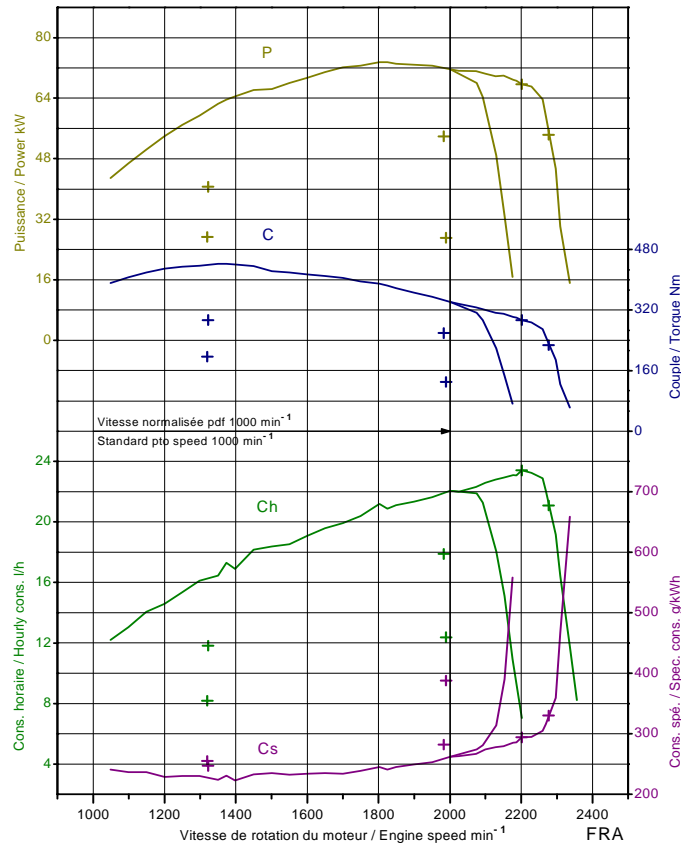
Testing station:

Cemagref, Antony, France

Challenger MT 465 B

4 RM/WD

OCDE/OECD 2/2332



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	Perkins	1104C-44 T (2173/2200)	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	4	vertical in line	
<i>Capacity, Cooling</i>	4400 cm <sup>3</sup>	Liquid	
<i>Gear box</i>		Mechanical	
<i>Number of forward and reverse speeds</i>		16	16
<i>Speed at rated engine speed</i>		from 2.72	to 38.91 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		601 min <sup>-1</sup>	1100 min <sup>-1</sup>
<i>Diameter of the shaft</i>		34.9 mm	34.9 mm
<i>Number of splines</i>		6	21

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	73.5 kW	1802 min <sup>-1</sup>	901 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		21.19 l/h	245 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	67.7 kW	2202 min <sup>-1</sup>	1101 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		23.41 l/h	294 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	71.7 kW	2000 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		22.06 l/h	262 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		442.1 Nm	1373 min <sup>-1</sup>
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**Drawbar Test***Front tyres, Rear tyres*

14.9 R 28      18.4 R 38

Test with tractorunballasted      ballasted*Total Mass*

4525 kg

*Maximum drawbar pull*

38.1 kN

*Not**at speed of*

2.47 km/h

*required**Maximum power*

59.4 kW

*in**at speed of*

8.00 km/h

*Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Opened centre

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

51.9 l/min

16.5 MPa

14.3 kW

Maximum lifting force*at hitch points, at frame*

48.1 kN

38.0 kN

