



OECD approval number

2/2 305

Restricted Code

OECD approval date

13/01/2006

Make

Challenger

Model

MT 555B

Type

4 WD

F43522AH113K - 32 speeds - 40 km/h

Manufacturer

AGCO S.A.

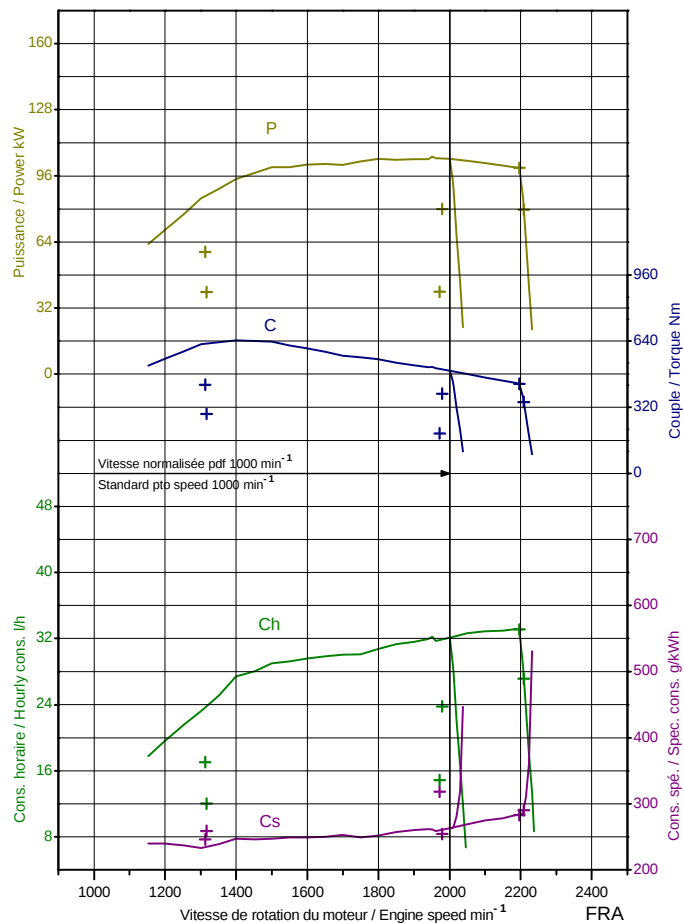
Testing station:

Cemagref, Antony, France

Challenger MT 555 B

4 RM/WD

OCDE/OECD 2/2305



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>	105.3 kW	1951 min^{-1}	975 min^{-1}
<i>Hourly and specific consumption</i>		32.21 l/h	261 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	99.8 kW	2196 min^{-1}	1098 min^{-1}
<i>Hourly and specific consumption</i>		33.11 l/h	283 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	104.2 kW	2000 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		32.11 l/h	263 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		644.7 Nm	1400 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

56.9 kN

*at speed of*2.40 km/h *Not required**Maximum power*

86.9 kW

*at speed of*7.95 km/h *in Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	85.2 l/min	14.9 MPa	21.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		72.7 kN	77.4 kN
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