



OECD approval number

2/2 333

OECD approval date

Restricted Code

15/03/2006

Make

Challenger

Model

MT 555B

Type

4 WD

F43 - CVT - 40 km/h

Manufacturer

AGCO S.A.

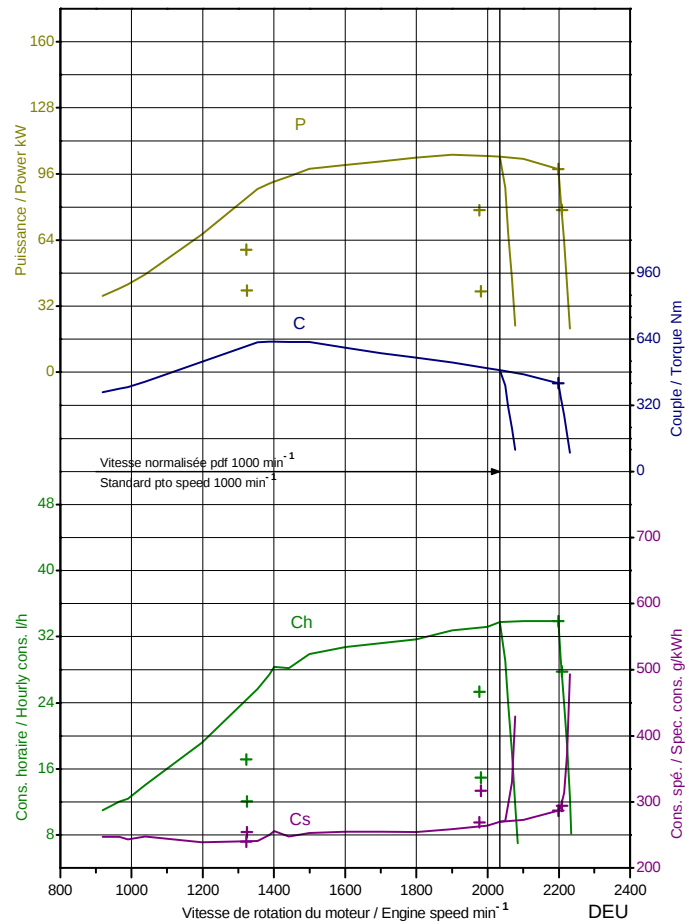
Testing station:

DLG, Gross-Umstadt, Germany

Challenger MT 555B

4 RM/WD

OCDE/OECD 2/2333



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	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>		Hydrostatic and mechanical
<i>Number of forward and reverse speeds</i>		Not significant
<i>Speed at rated engine speed</i>		from 0.00 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>		576 min^{-1} 1083 min^{-1}
<i>Diameter of the shaft</i>	35 mm	35 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	1900 min^{-1}	934 min^{-1}
<i>Hourly and specific consumption</i>		32.76 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	98.4 kW	2199 min^{-1}	1081 min^{-1}
<i>Hourly and specific consumption</i>		33.86 l/h	287 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	104.4 kW	2034 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		33.79 l/h	270 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	629.0 Nm	1387 min^{-1}	47.3 %
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Drawbar Test*Front tyres, Rear tyres*

420/90 R 30 520/85 R 42

Test with tractorunballasted ballasted*Total Mass*

6495 kg

Maximum drawbar pull

64.3 kN

Not

at speed of

4.16 km/h

required

Maximum power

83.8 kW

in

at speed of

7.14 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power (couplers: 1 pair)* 98.4 l/min 17.0 MPa 27.9 kW*Flow rate, Pressure, Power (couplers: 2 pairs or +)* 109.7 l/min 18.0 MPa 32.9 kWMaximum lifting force*at the hitch points, at frame*

57.2 kN

50.0 kN

