



OECD approval number

2/2 218

OECD approval date

Restricted Code

04/02/2005

Make

Challenger

Model

MT 555B

Type

4 WD

T34523AJ113K - 40 km/h

Manufacturer

AGCO S.A.

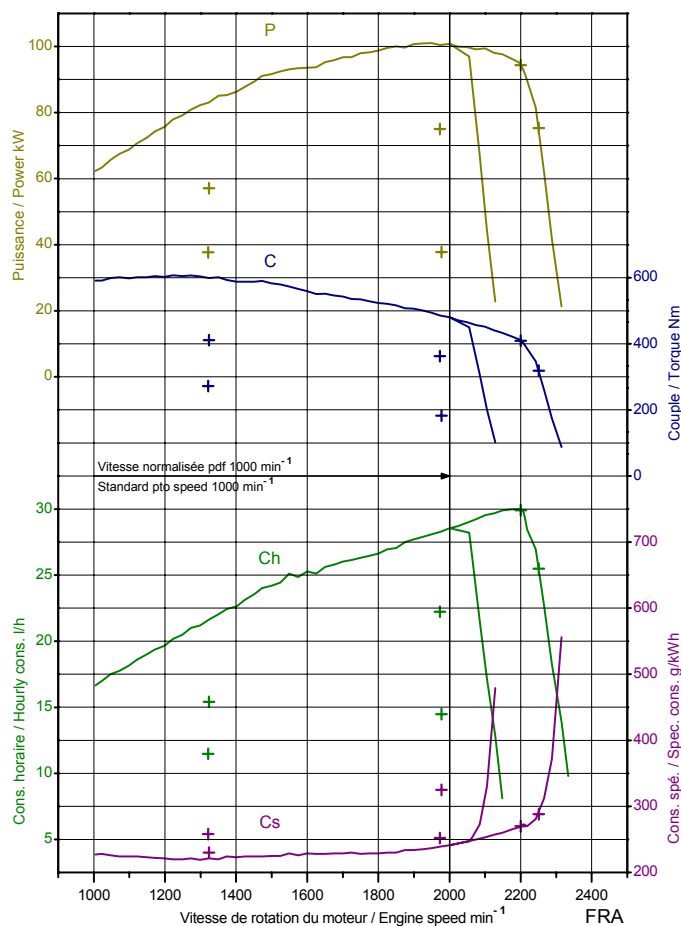
Testing station:

Cemagref, Antony, France

Challenger MT 555B

4 RM/WD

OCDE/OECD 2/2218



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.255 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>	101.0 kW	1950 min ⁻¹	975 min ⁻¹
<i>Hourly and specific consumption</i>		28.09 l/h	237 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	94.3 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		29.91 l/h	270 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	100.8 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		28.55 l/h	241 g/kWh

Torque rise

		48.5 %
<u>Maximum torque, Engine speed corresponding</u>	607.8 Nm	1223 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	540/65 R 30 unballasted	620/70 R 42 ballasted
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Total Mass

	7015 kg	
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Maximum drawbar pull

	66.3 kN	Not
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at speed of

	2.13 km/h	required
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Maximum power

	87.3 kW	in
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at speed of

	8.07 km/h	Code 2
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	94.4 l/min	13.8 MPa	21.7 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		73.5 kN	67.8 kN
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