



OECD approval number

2/2 208

OECD approval date

Restricted Code

17/12/2004

Make

Challenger

Model

MT 575B

Type

2 WD

T36521AJ113K - 40 km/h

Manufacturer

AGCO S.A.

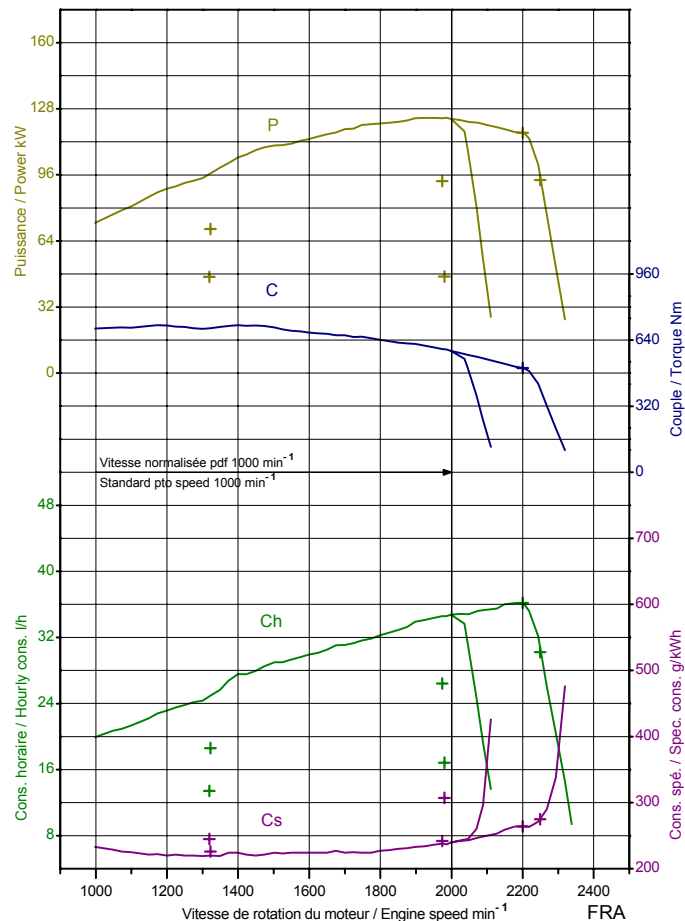
Testing station:

Cemagref, Antony, France

Challenger MT 575B

2 RM/WD

OCDE/OECD 2/2208



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.253 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>	123.8 kW	1986 min ⁻¹	993 min ⁻¹
<i>Hourly and specific consumption</i>		34.58 l/h	237 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	116.4 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		36.18 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	123.2 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		34.74 l/h	240 g/kWh

Torque rise

		41.0 %
<u>Maximum torque, Engine speed corresponding</u>	712.5 Nm	1400 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	14 - 16.1	620/70 R 42
	<u>unballasted</u>	<u>ballasted</u>

Total Mass

	6280 kg	
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Maximum drawbar pull

	56.8 kN	Not
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at speed of

	2.18 km/h	required
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Maximum power

	111.2 kW	in
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at speed of

	12.37 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		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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