



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer

Testing station:

2/2 415

30/06/2008

Challenger

MT 575B

4 WD

F45923GH213K - 40 km/h

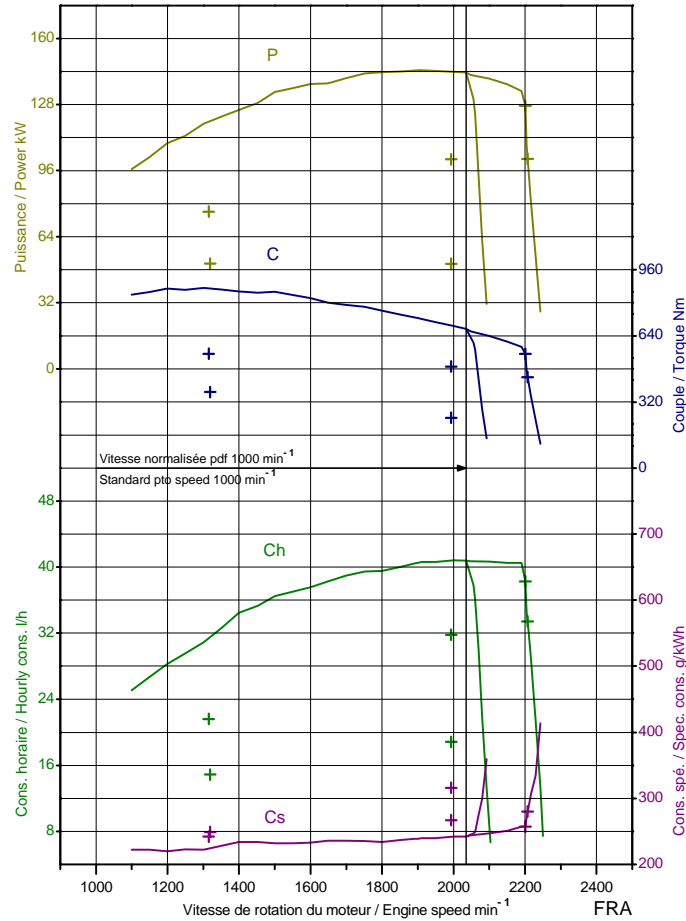
AGCO S.A.

Cemagref, Antony, France

Challenger MT 575B

4 RM/WD

OCDE/OECD 2/2415



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins/Caterpillar	C6.6 (T3302/2200)	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	6600 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
<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	1081 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>	144.6 kW	1900 min ⁻¹	934 min ⁻¹
<i>Hourly and specific consumption</i>		40.53 l/h	239 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	127.3 kW	2201 min ⁻¹	1081 min ⁻¹
<i>Hourly and specific consumption</i>		38.28 l/h	257 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	143.6 kW	2035 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		40.77 l/h	242 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		871.4 Nm	1300 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 R 30	480/80 R 46
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7975 kg	10360 kg
<i>Maximum drawbar pull</i>	69.9 kN	88.0 kN
<i>at speed of</i>	2.32 km/h	3.05 km/h
<i>Maximum power</i>	122.8 kW	120.8 kW
<i>at speed of</i>	9.79 km/h	7.92 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>	Closed centre		
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	89.8 l/min	15.0 MPa	22.5 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	107.8 l/min	16.1 MPa	28.9 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		67.1 kN	61.9 kN

