



OECD approval number

2/1 848/1

OECD approval date

Restricted Code

31/07/2002

Make

Challenger

Model

MT 565

Type

2 WD

K346215B411K - 40 km/h

Manufacturer

Agco S.A.

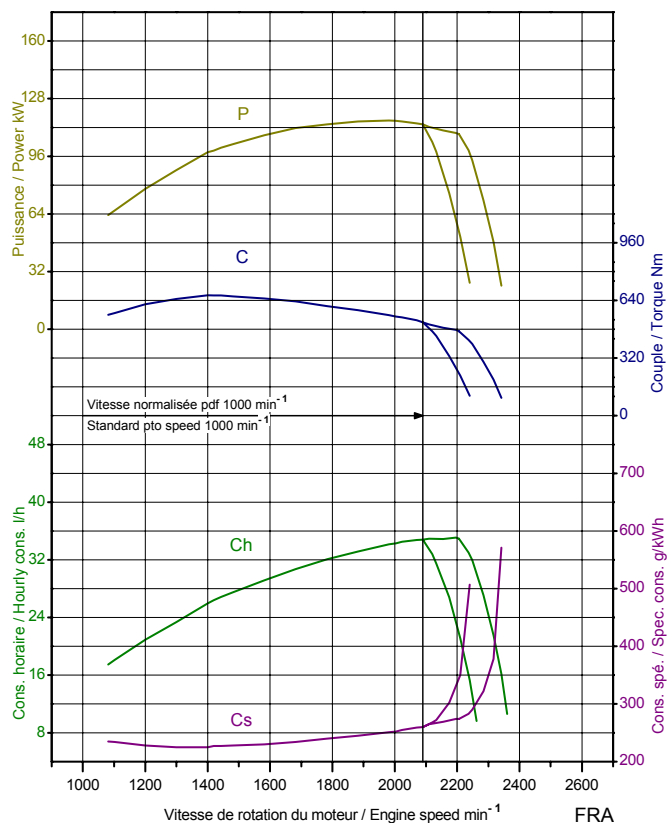
Testing station:

Cemagref, Antony, France

Challenger MT 565

2 RM/WD

OCDE/OECD 2/1848/1



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu	620 DSBAE
<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>	18	9
<i>Speed at rated engine speed</i>	from 2.41	to 40.03 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>	596 min ⁻¹	1052 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>	115.7 kW	2004 min ⁻¹	958 min ⁻¹
<i>Hourly and specific consumption</i>		34.28 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	109.0 kW	2196 min ⁻¹	1050 min ⁻¹
<i>Hourly and specific consumption</i>		35.07 l/h	274 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	113.7 kW	2090 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		34.81 l/h	260 g/kWh

Torque rise

		40.4 %
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<u>Maximum torque, Engine speed corresponding</u>	669.2 Nm	1400 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14L - 16.1	20.8 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6980 kg	
<i>Maximum drawbar pull</i>	59.2 kN	Not
<i>at speed of</i>	2.26 km/h	required
<i>Maximum power</i>	103.1 kW	in
<i>at speed of</i>	8.66 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Closed centre
<i>Maximum lifting force at hitch points, at frame</i>	64.1 kN	67.4 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	105.2 l/min	15.2 MPa 26.7 kW

