



OECD approval number

2/1 847/1

OECD approval date

Restricted Code

31/07/2002

Make

Challenger

Model

MT 565

Type

4 WD

K346225B411K - 40 km/h

Manufacturer

Agco S.A.

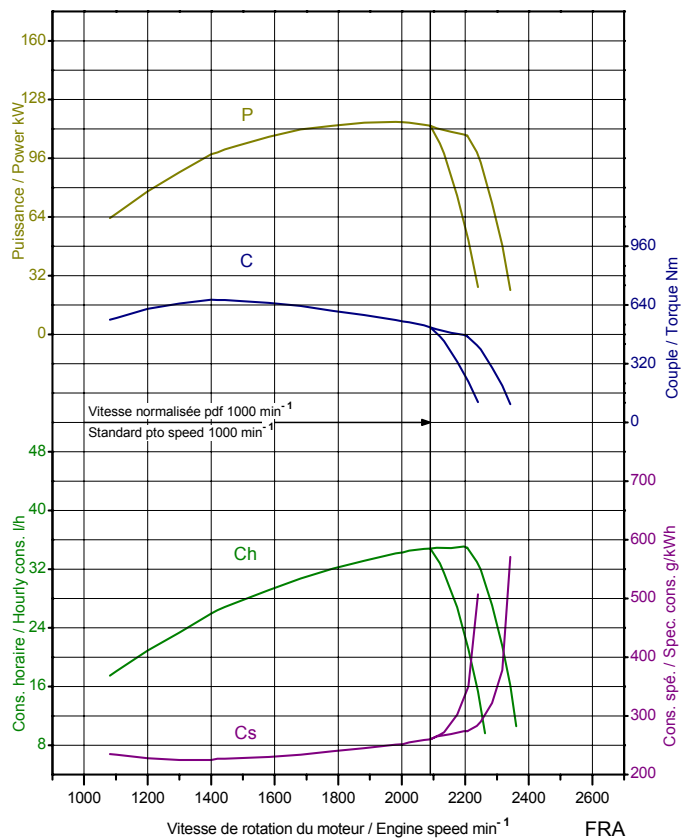
Testing station:

Cemagref, Antony, France

Challenger MT 565

4 RM/WD

OCDE/OECD 2/1847/1



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 %

Maximum torque, Engine speed corresponding669.2 Nm 1400 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

16.9 R 30 20.8 R 42

Test with tractorunballasted ballasted*Total Mass*

7395 kg

Maximum drawbar pull

63.1 kN

Not

at speed of

2.85 km/h

required

Maximum power

105.2 kW

in

at speed of

8.75 km/h

Code 2

Power Lift and Hydraulic Performance Test*Hydraulic system*

Closed centre

Maximum lifting force at hitch points, at frame

64.1 kN

67.4 kN

At maximum hydraulic power*Flow rate, Pressure, Power*

105.2 l/min

15.2 MPa

26.7 kW

