



OECD approval number

2/2 331

OECD approval date

Restricted Code

15/03/2006

Make

Challenger

Model

MT 465B

Type

2 WD

D32221AF611K - 40 km/h

Manufacturer

AGCO S.A.

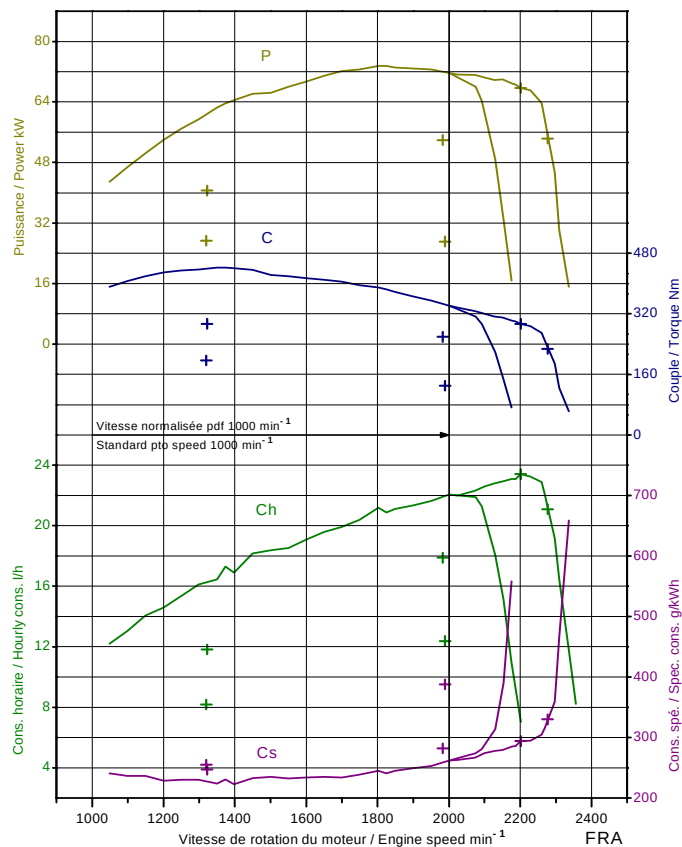
Testing station:

Cemagref, Antony, France

Challenger MT 465 B

2 RM/WD

OCDE/OECD 2/2331



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1104C-44 T (2173/2200)
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4400 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.72	to 38.91 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	601 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>	73.5 kW	1802 min ⁻¹	901 min ⁻¹
<i>Hourly and specific consumption</i>		21.19 l/h	245 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	67.7 kW	2202 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		23.41 l/h	294 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	71.7 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		22.06 l/h	262 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	442.1 Nm	1373 min ⁻¹	50.6 %
---	----------	------------------------	--------

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	11.00 - 16	18.4 R 38
--------------------------	------------	-----------

Total Mass

<i>Maximum drawbar pull</i>	4160 kg	
<i>at speed of</i>	32.0 kN	Not
<i>Maximum power</i>	2.50 km/h	required
<i>at speed of</i>	61.8 kW	in
	10.25 km/h	Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	51.9 l/min	16.5 MPa	14.3 kW
-----------------------------------	------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>	48.1 kN	38.0 kN
----------------------------------	---------	---------

