



OECD approval number

2/2 334

Restricted Code

OECD approval date

15/03/2006

Make

Challenger

Model

MT 555B

Type

4 WD

T34 - DynaVT - 40 km/h

Manufacturer

AGCO S.A.

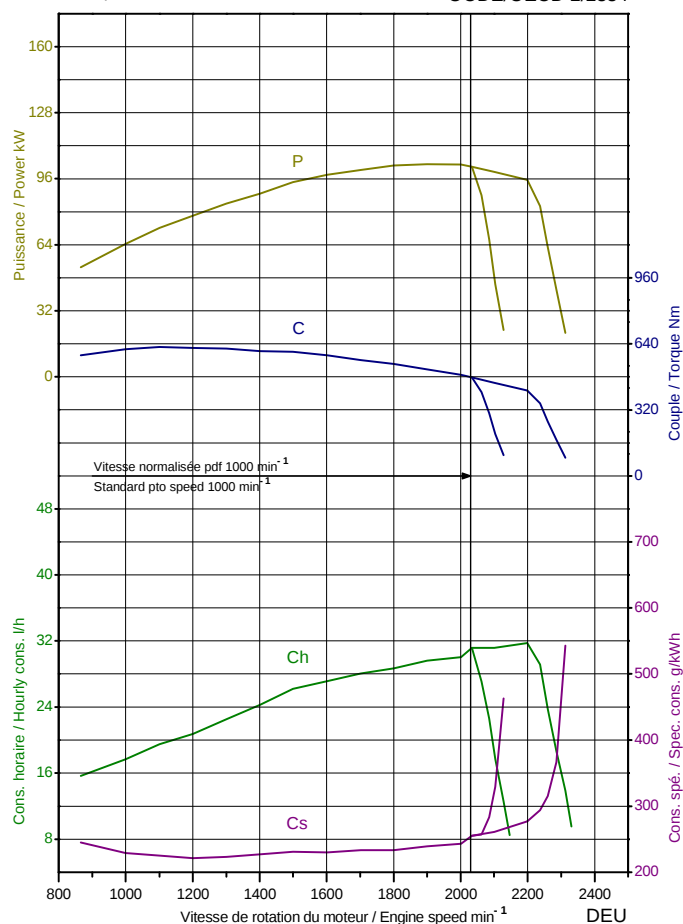
Testing station:

DLG, Gross-Umstadt, Germany

Challenger MT 555 B (T34)

4 RM/WD

OCDE/OECD 2/2334



**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 <sup>3</sup> | 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                        |
| <i>Standard Power take-off speed</i>              |                      | $540 \text{ min}^{-1}$ $1000 \text{ min}^{-1}$ |
| <i>Power take-off speed at rated engine speed</i> |                      | $576 \text{ min}^{-1}$ $1083 \text{ min}^{-1}$ |
| <i>Diameter of the shaft</i>                      | 35 mm                | 35 mm                                          |
| <i>Number of splines</i>                          | 6                    | 21                                             |

**Power take-off Test**Two hours test at maximum power

|                                               |          |                         |                        |
|-----------------------------------------------|----------|-------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 103.0 kW | $1900 \text{ min}^{-1}$ | $934 \text{ min}^{-1}$ |
| <i>Hourly and specific consumption</i>        |          | 29.62 l/h               | 239 g/kWh              |

Test at maximum power at rated engine speed

|                                               |         |                         |                         |
|-----------------------------------------------|---------|-------------------------|-------------------------|
| <i>Power, Engine and Power take-off speed</i> | 95.4 kW | $2199 \text{ min}^{-1}$ | $1081 \text{ min}^{-1}$ |
| <i>Hourly and specific consumption</i>        |         | 31.78 l/h               | 277 g/kWh               |

Test at standard Power take-off speed

|                                               |          |                         |                         |
|-----------------------------------------------|----------|-------------------------|-------------------------|
| <i>Power, Engine and Power take-off speed</i> | 101.8 kW | $2034 \text{ min}^{-1}$ | $1000 \text{ min}^{-1}$ |
| <i>Hourly and specific consumption</i>        |          | 31.18 l/h               | 255 g/kWh               |

Torque rise

|                                                   |          |                         |        |
|---------------------------------------------------|----------|-------------------------|--------|
| <i>Maximum torque, Engine speed corresponding</i> | 626.0 Nm | $1100 \text{ min}^{-1}$ | 51.2 % |
|---------------------------------------------------|----------|-------------------------|--------|

**Drawbar Test***Front tyres, Rear tyres*

540/65 R 30 520/85 R 42

Test with tractorunballasted ballasted*Total Mass*

6870 kg

*Maximum drawbar pull*

64.7 kN

*at speed of*

4.15 km/h

Not required

*Maximum power*

83.4 kW

in

*at speed of*

7.94 km/h

Code 2

**Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

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

98.4 l/min

17.0 MPa

27.9 kW

Maximum lifting force*at hitch points, at frame*

57.2 kN

50.0 kN

