



OECD approval number

2/1 770

OECD approval date

Restricted Code

24/08/1998

Make

Massey Ferguson

Model

8170

Type

4 WD

Manufacturer

Agco S.A.

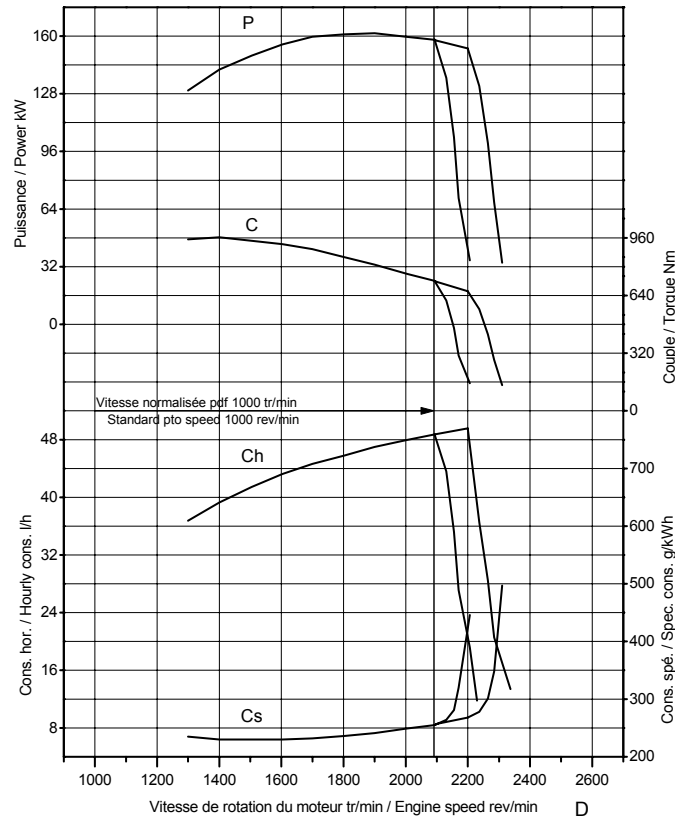
Testing station:

DLG, Groß-Umstadt, Germany

Massey-Ferguson 8170

4 RM/WD

OCDE/OECD 2/1770



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	645DSBIE
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	in line
<i>Capacity, Cooling</i>	8419 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	18	9
<i>Speed at rated engine speed</i>	from 2.40	to 39.77 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>	35 mm	35 mm
<i>Number of splines</i>	21	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	161.6 kW	1900 min ⁻¹	909 min ⁻¹
<i>Hourly and specific consumption</i>		47.02 l/h	241 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	153.2 kW	2200 min ⁻¹	1052 min ⁻¹
<i>Hourly and specific consumption</i>		49.56 l/h	268 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	158.3 kW	2093 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		48.78 l/h	255 g/kWh

Torque rise

45.0 %

Maximum torque, Engine speed corresponding963.0 Nm 1400 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

600/70 R 28 650/85 R 38

Test with tractorunballasted ballasted*Total Mass*

9795 kg

Maximum drawbar pull

92.4 kN

*at speed of*4.63 km/h *Not required**Maximum power*

131.0 kW

*at speed of*8.12 km/h *in Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

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

106.7 l/min

16.5 MPa

29.4 kW

Maximum lifting force*at hitch points, at frame*

83.3 kN

77.4 kN

