



OECD approval number

2/1 889

OECD approval date

Restricted Code

03/03/00

Make

Massey Ferguson

Model

8210

Type

2 WD

H165215B411A

Manufacturer

Agco S.A.

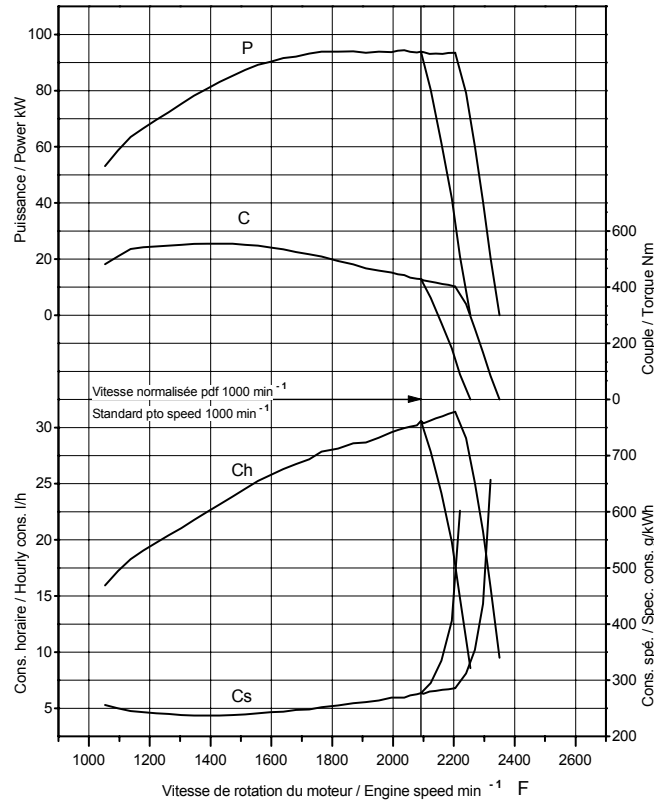
Testing station:

Cemagref, Antony, France

Massey Ferguson 8210

2 RM/WD

OCDE/OECD 2/1889



 **Cemagref**

Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1006-60T (YH 31441)
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 cm ³	By water
<i>Gear box</i>		Electro mechanical
<i>Number of forward and reverse speeds</i>		32 32
<i>Speed at rated engine speed</i>		from 2.50 to 39.23 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>	94.4 kW	2037 min ⁻¹	974 min ⁻¹
<i>Hourly and specific consumption</i>		29.94 l/h	269 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	93.5 kW	2204 min ⁻¹	1054 min ⁻¹
<i>Hourly and specific consumption</i>		31.39 l/h	286 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	93.9 kW	2092 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		30.59 l/h	277 g/kWh

Torque rise

			38.1 %
<u>Maximum torque, Engine speed corresponding</u>		554.7 Nm	1410 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	14 - 16.1	20.8 - 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6610 kg	
<i>Maximum drawbar pull</i>	55.4 kN	Not
<i>at speed of</i>	3.20 km/h	required
<i>Maximum power</i>	90.4 kW	in
<i>at speed of</i>	9.16 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>	(cat.3) 65.1 kN	(cat.3) 61.4 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	105.2 l/min	15.2 MPa 26.7 kW

