



OECD approval number

2/1 846

OECD approval date

Restricted Code

07/09/1999

Make

Massey Ferguson

Model

8220

Type

4 WD

H176225B421A

Manufacturer

Agco S.A.

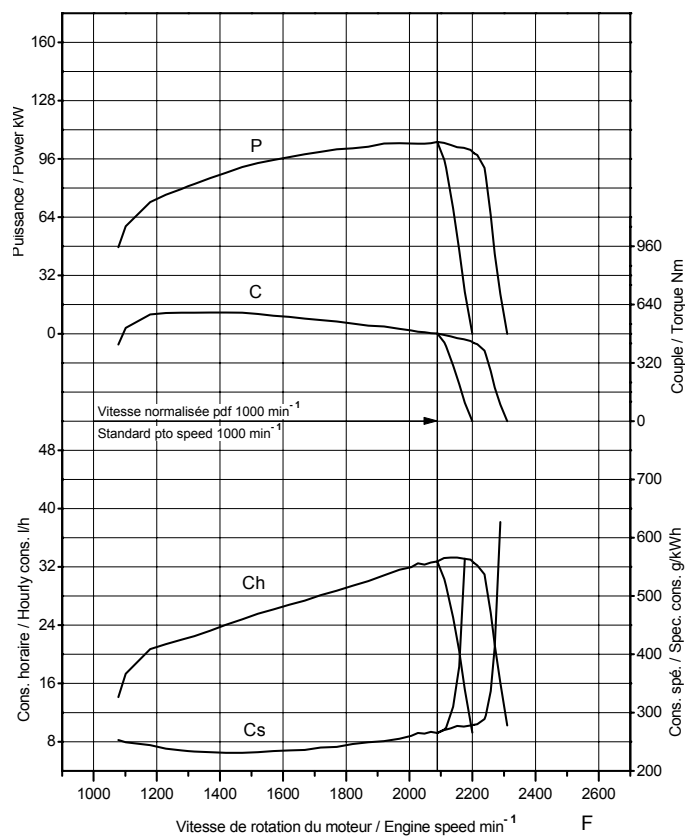
Testing station:

Cemagref, Antony, France

Massey Ferguson 8220

4 RM/WD

OCDE/OECD 2/1846



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1006-60TW (YK 31431)
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 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>	35 mm	35 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>	105.3 kW	2089 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		32.78 l/h	265 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	101.0 kW	2194 min ⁻¹	1049 min ⁻¹
<i>Hourly and specific consumption</i>		33.00 l/h	278 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	105.3 kW	2089 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		32.78 l/h	265 g/kWh

Torque rise

		24.0 %
--	--	--------

Maximum torque, Engine speed corresponding

596.8 Nm	1369 min ⁻¹
----------	------------------------

Drawbar Test*Front tyres, Rear tyres*

	16.9 R 30	20.8 R 42
--	-----------	-----------

Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
--	--------------------	------------------

Total Mass

7210 kg

Maximum drawbar pull

65.9 kN

at speed of

3.60 km/h	Not required
-----------	--------------

Maximum power

99.6 kW

at speed of

7.17 km/h	in Code 2
-----------	-----------

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	105.2 l/min	15.2 MPa	26.7 kW
-----------------------------------	-------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>	64.1 kN	67.4 kN
----------------------------------	---------	---------

