



OECD approval number

1 720/2

Restricted Code

OECD approval date

16/12/1997

Make

Massey Ferguson

Model

8150

Type

2 WD

K115215A911A - 32 speeds - 40 km/h

Manufacturer

Agco S.A.

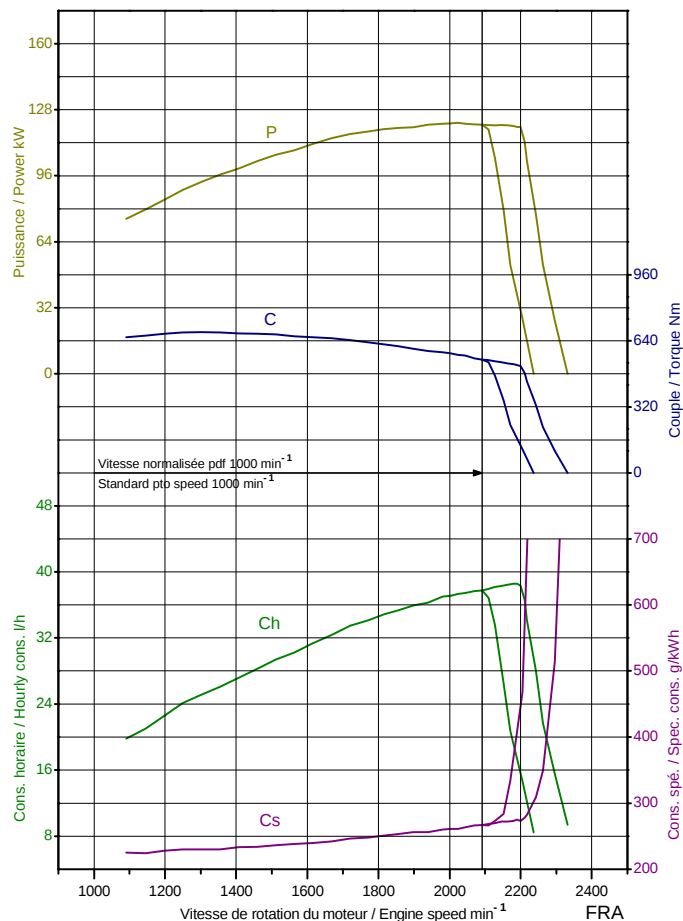
Testing station:

Cemagref, Antony, France

Massey Ferguson 8150

2 RM/WD

OCDE/OECD 1720/2



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	620 DWE
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6596 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	30	30
<i>Speed at rated engine speed</i>	from 2.48	to 38.98 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>	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>	121.7 kW	2023 min ⁻¹	968 min ⁻¹
<i>Hourly and specific consumption</i>		37.32 l/h	261 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	119.7 kW	2200 min ⁻¹	1052 min ⁻¹
<i>Hourly and specific consumption</i>		38.36 l/h	273 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	120.7 kW	2091 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		37.77 l/h	267 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	682.0 Nm	1302 min ⁻¹	31.5 %
---	----------	------------------------	--------

Drawbar Test

<i>Front tyres, Rear tyres</i>	11.00 - 16	20.8 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7380 kg	
<i>Maximum drawbar pull</i>	63.3 kN	Not
<i>at speed of</i>	2.59 km/h	required
<i>Maximum power</i>	107.5 kW	in
<i>at speed of</i>	10.01 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	79.5 l/min	16.2 MPa	21.5 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		58.2 kN	53.1 kN

