



OECD approval number

2/1 790

OECD approval date

Restricted Code

14/10/1998

Make

Massey Ferguson

Model

8140

Type

2 WD

K105215A911A

Manufacturer

Agco S.A.

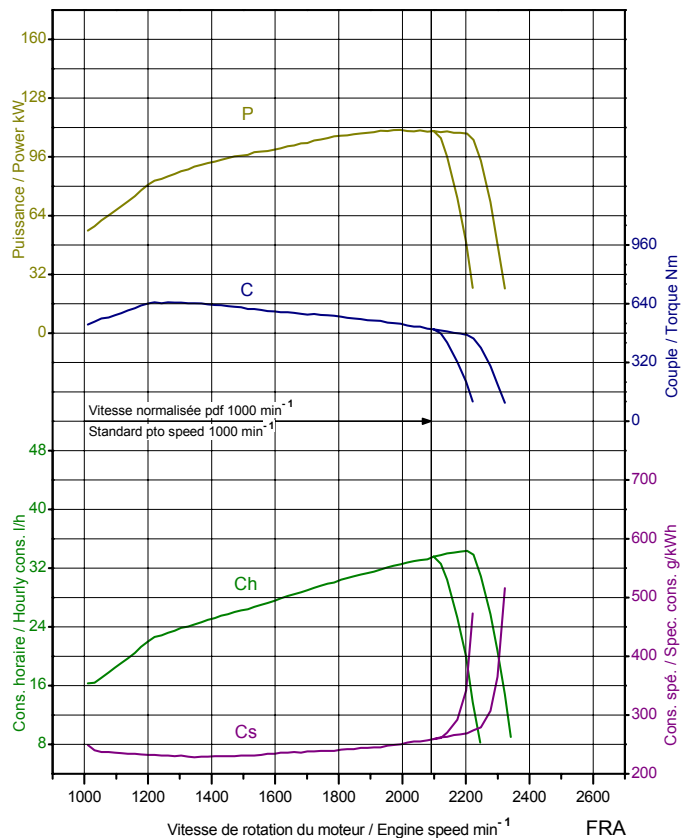
Testing station:

Cemagref, Antony, France

Massey Ferguson 8140

2 RM/WD

OCDE/OECD 2/1790



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	620 DSRE
<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
<i>Number of forward and reverse speeds</i>	30	30
<i>Speed at rated engine speed</i>	from 2.48	to 28.22 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>	110.7 kW	1995 min ⁻¹	954 min ⁻¹
<i>Hourly and specific consumption</i>		32.53 l/h	250 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	108.6 kW	2203 min ⁻¹	1054 min ⁻¹
<i>Hourly and specific consumption</i>		34.38 l/h	269 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	110.1 kW	2098 min ⁻¹	1004 min ⁻¹
<i>Hourly and specific consumption</i>		33.56 l/h	259 g/kWh

Torque rise

		37.7 %	
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<u>Maximum torque, Engine speed corresponding</u>	648.2 Nm	1263 min ⁻¹	
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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>	6680 kg	
<i>Maximum drawbar pull</i>	57.5 kN	Not
<i>at speed of</i>	2.23 km/h	required
<i>Maximum power</i>	96.3 kW	in
<i>at speed of</i>	7.44 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

