



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 754

25/02/2013

MASSEY FERGUSON

7614

4WD

Mechanical Synchromesh - 40 km/h

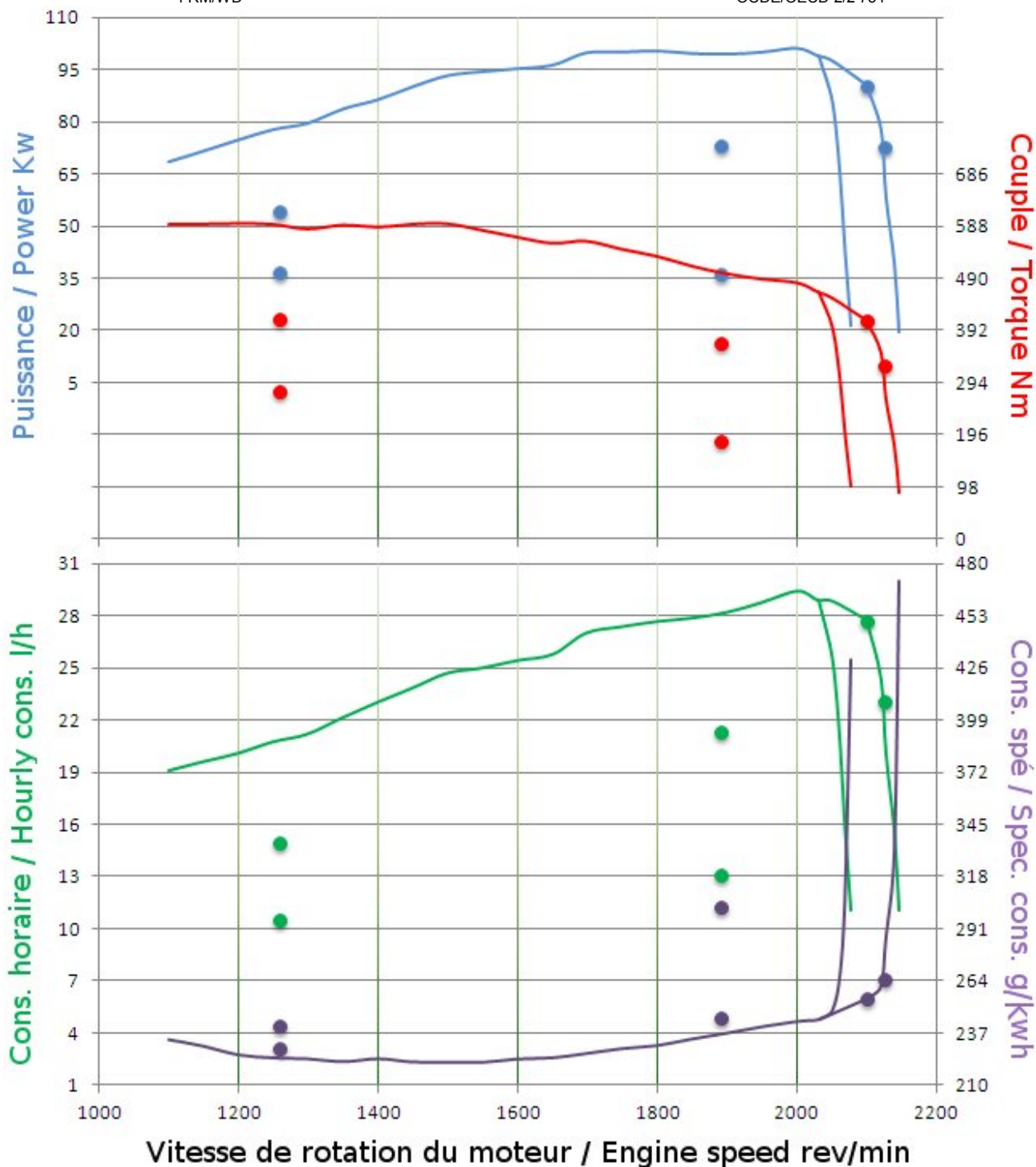
AGCO S.A.

IRSTEA – France

MASSEY FERGUSON 7614

4 RM/WD

OCDE/OECD 2/2 754



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	SISU AGCO POWER Inc	66 AWI 813
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6596 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Mechanical Synchromesh
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2,00	to 40,97 km/h
<i>Standard Power take-off speed</i>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	602 min <sup>-1</sup>	1035 min <sup>-1</sup>
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	21

## Power take-off Test

<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	101,1 kW	2002 min <sup>-1</sup>	986 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		29,38 l/h	243 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	90,4 kW	2101 min <sup>-1</sup>	1035 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27,72 l/h	255 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	98,9 kW	2030 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		28,86 l/h	244 g/kWh
<i>Torque rise</i>			44,5 %
<u>Maximum torque, Engine speed corresponding</u>		594,0 Nm	1200 min <sup>-1</sup>

## Drawbar Test

<i>Front tyres, Rear tyres</i>	420/85 R28	520/85 R38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6315 kg	
<i>Maximum drawbar pull</i>	55,3 kN	
<i>at speed of</i>	1,75 km/h	Not
<i>Maximum power</i>	83,5 kW	Applicable
<i>at speed of</i>	11,13 km/h	

## Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	83,6 l/min	12,6 MPa	17,6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	88,9 l/min	14,9 MPa	22,1 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		47,6 kN	39,2 kN