



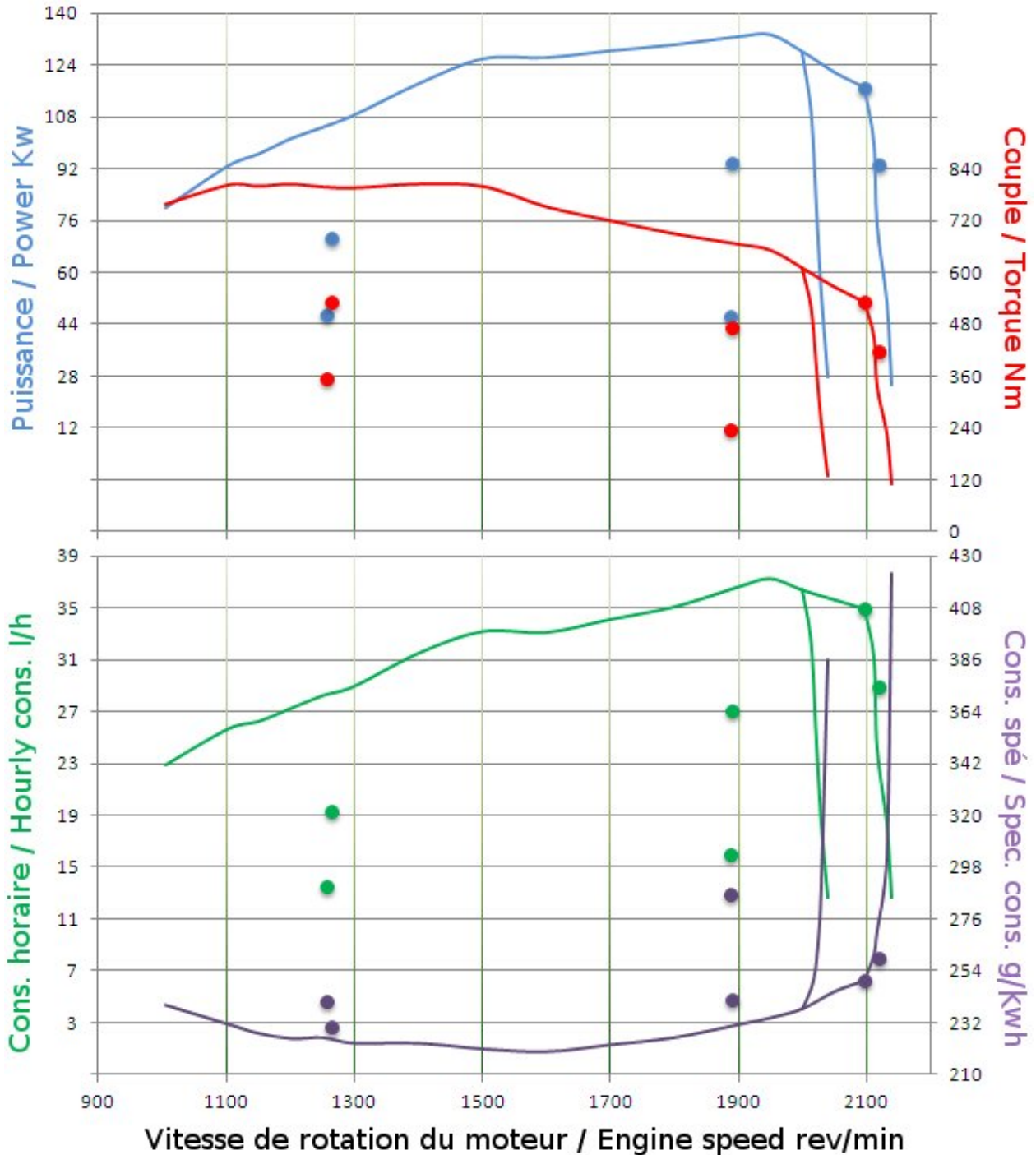
OECD approval number
OECD approval date
Make
Model
Type

2/2 756
 06/03/2013
MASSEY FERGUSON
7620
4WD
 Mechanical Synchromesh - 40 km/h
 AGCO S.A.
 IRSTEA – France

Manufacturer:
Testing station:

MASSEY FERGUSON 7620
4 RMWD

OCDE/OECD 2/2 756



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	SISU AGCO POWER Inc	66 AWI 698
<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 Synchromesh
<i>Number of forward and reverse speeds</i>		24
<i>Speed at rated engine speed</i>	from 1,65	to 40,00 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>	594 min ⁻¹	1050 min ⁻¹
<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>	133,2 kW	1950 min ⁻¹	975 min ⁻¹
<i>Hourly and specific consumption</i>		37,25 l/h	234 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	116,9 kW	2098 min ⁻¹	1049 min ⁻¹
<i>Hourly and specific consumption</i>		34,92 l/h	250 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	127,9 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		36,37 l/h	238 g/kWh
<u>Torque rise</u>			51,3 %
<u>Maximum torque, Engine speed corresponding</u>		805,0 Nm	1200 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	480/70 R30	620/70 R42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8025 kg	
<i>Maximum drawbar pull</i>	69,1 kN	
<i>at speed of</i>	2,46 km/h	Not
<i>Maximum power</i>	115,1 kW	Applicable
<i>at speed of</i>	10,66 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>	90,5 l/min	13,8 MPa	20,9 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	100,9 l/min	15,3 MPa	25,7 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		72,5 kN	64,1 kN