



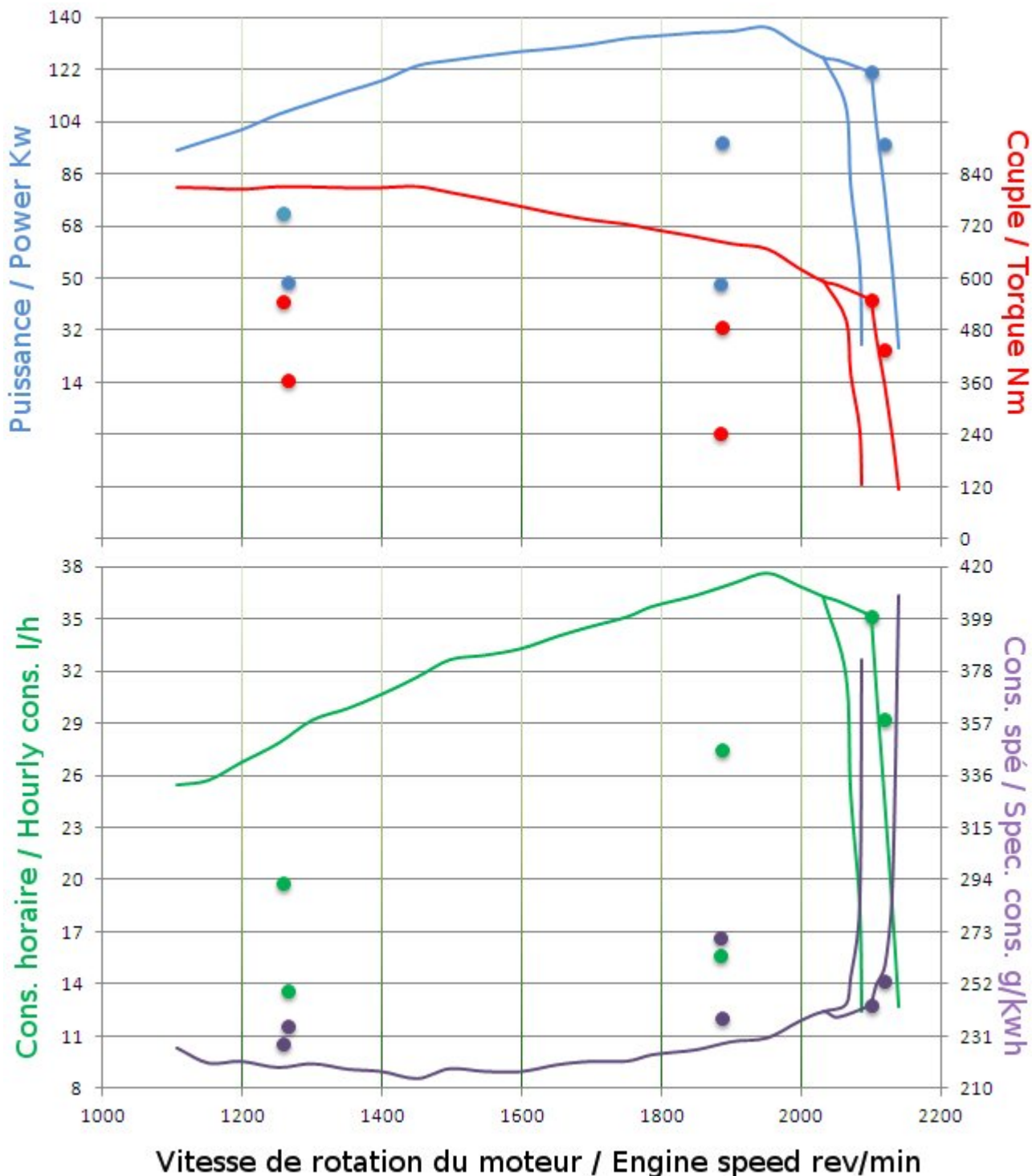
OECD approval number  
OECD approval date  
Make  
Model  
Type

Manufacturer:  
Testing station:

2/2 704  
25/07/2012  
Massey Ferguson  
7620  
4 WD  
Hydrostatic variable - 40 km/h  
AGCO S.A.  
IRSTEA – Paris, France

Massey Ferguson 7620  
4 RM/WD

OCDE/OECD 2/2 704



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	SISU AGCO POWER inc	66 AWI 770
<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>		Hydrostatic variable
<i>Number of forward and reverse speeds</i>	-	-
<i>Speed at rated engine speed</i>	from 0	to 40 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>	594 min <sup>-1</sup>	1032 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>	136,6 kW	1951 min <sup>-1</sup>	959 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		37,63 l/h	230 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	121,0 kW	2100 min <sup>-1</sup>	1032 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		35,17 l/h	243 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	126,1 kW	2034 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		36,29 l/h	241 g/kWh
<i>Torque rise</i>			47,64 %
<u>Maximum torque, Engine speed corresponding</u>		812,0 Nm	1450 min <sup>-1</sup>

## Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65R30	650/65R38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8390 kg	
<i>Maximum drawbar pull</i>	75,6 kN	Not
<i>at speed of</i>	2,65 km/h	Applicable
<i>Maximum power</i>	110,6 kW	
<i>at speed of</i>	7,43 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>	104,7 l/min	13,4 MPa	23,4 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	110,5 l/min	15,5 MPa	28,5 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		65,1 kN	61,0 kN