



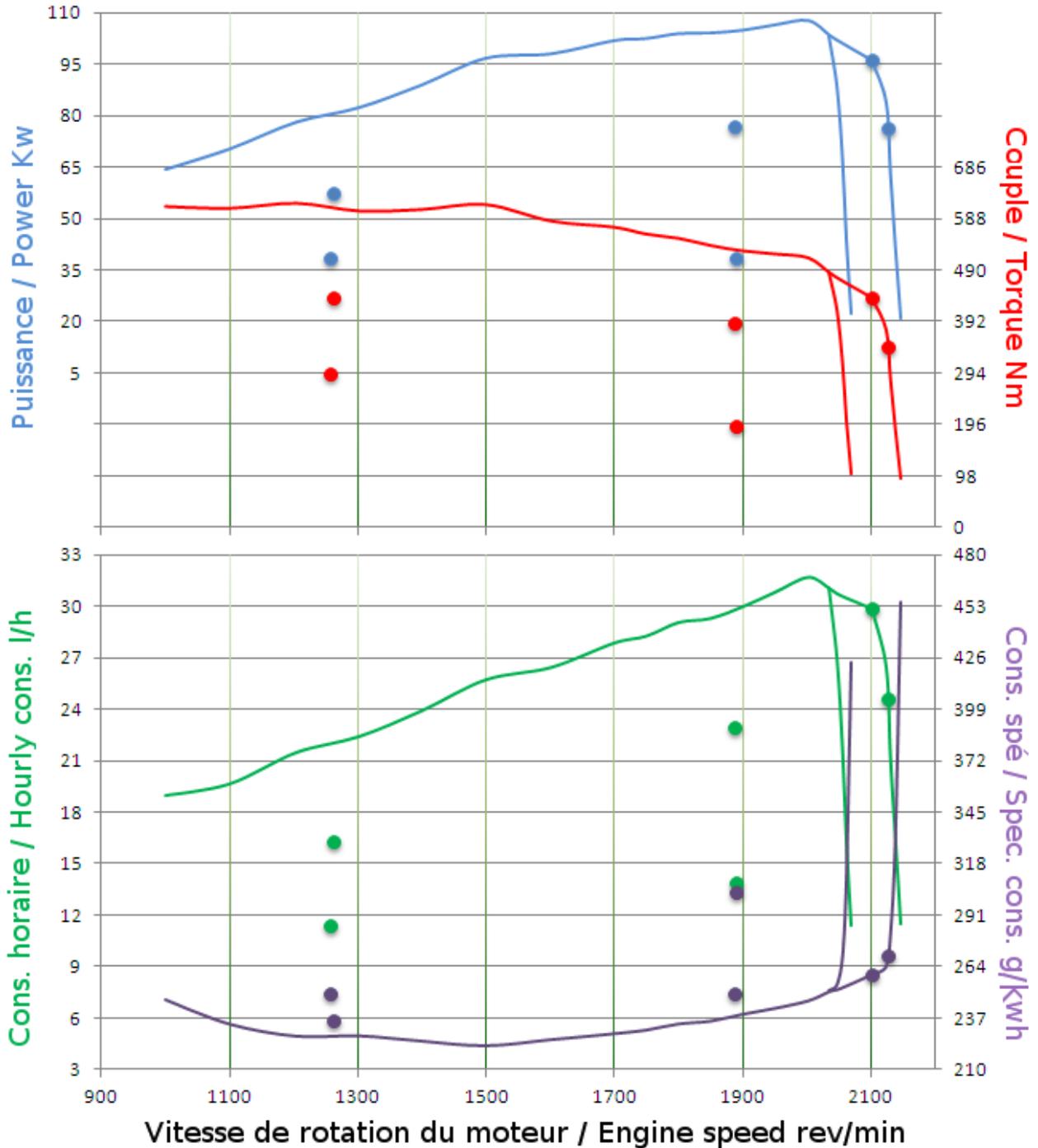
**OECD approval number**  
**OECD approval date**  
**Make**  
**Model**  
**Type**

2/2 773  
 18/07/2013  
**MASSEY FERGUSON**  
**7616 Dyna VT**  
**4WD**  
 Dyna VT - 40 km/h  
 AGCO S.A.  
 IRSTEA – France

Manufacturer:  
 Testing station:

MASSEY FERGUSON 7616 Dyna VT  
4 RMWD

OCDE/OECD 2/2 773



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	AGCO POWER Inc	66 AWI 810
<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>		Dyna VT
<i>Number of forward and reverse speeds</i>	-	-
<i>Speed at rated engine speed</i>	from 0,00	to 40,00 km/h
<u>Standard Power take-off speed</u>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	549 min <sup>-1</sup>	1034 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>	107,7 kW	2002 min <sup>-1</sup>	984 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		31,71 l/h	246 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	96,1 kW	2101 min <sup>-1</sup>	1033 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		29,88 l/h	260 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	103,4 kW	2035 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		31,04 l/h	251 g/kWh
<u>Torque rise</u>			41,3 %
<u>Maximum torque, Engine speed corresponding</u>		618,2 Nm	1205 min <sup>-1</sup>

### Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R28	650/65 R38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7635 kg	
<i>Maximum drawbar pull</i>	67,3 kN	
<i>at speed of</i>	3,98 km/h	Not
<i>Maximum power</i>	88,6 kW	Applicable
<i>at speed of</i>	7,78 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>	105,2 l/min	13,1 MPa	22,9 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	104,4 l/min	15,8 MPa	27,5 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		57,5 kN	52,3 kN