



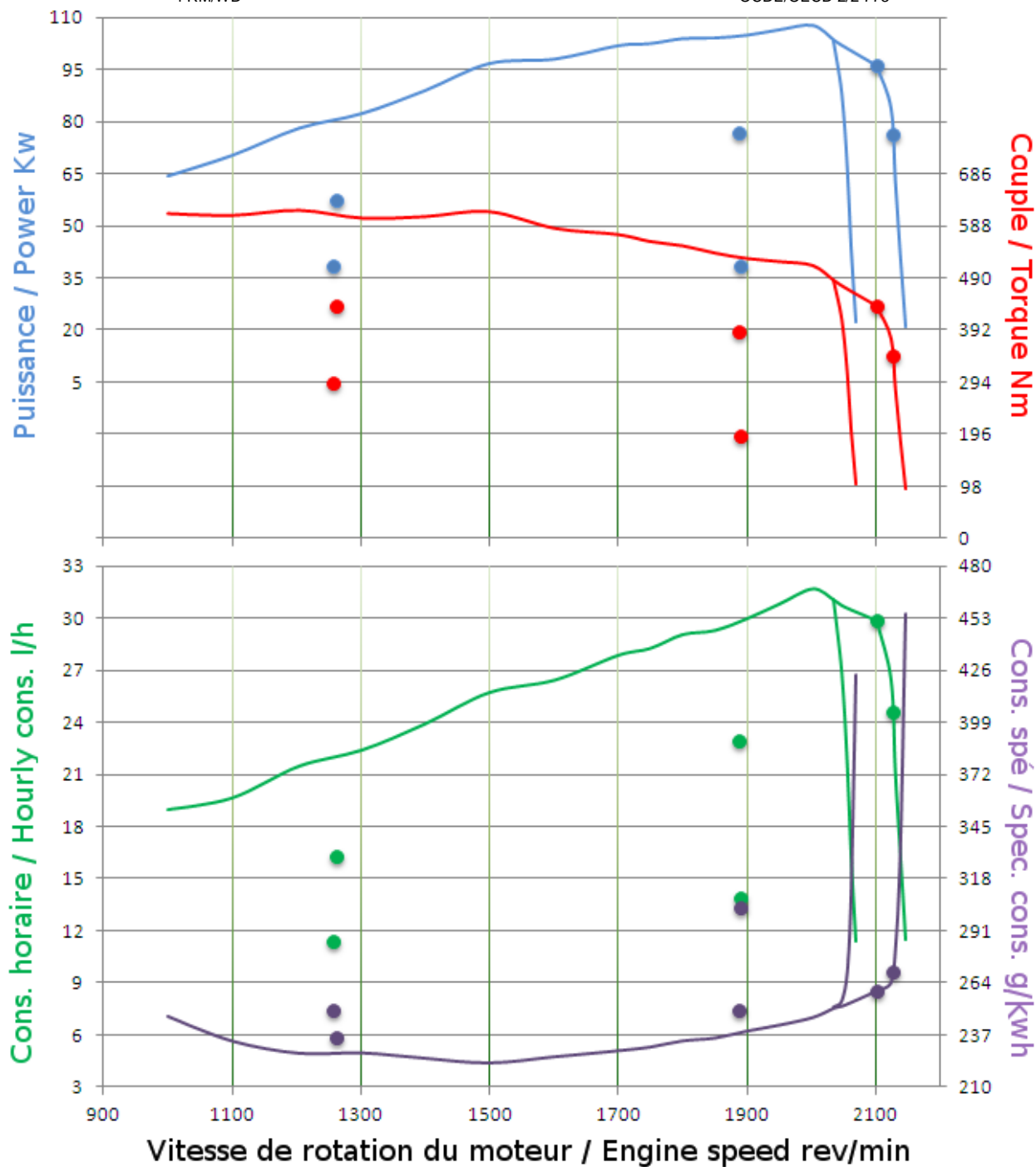
OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

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

MASSEY FERGUSON 7616 Dyna VT
4 RM/WD

OCDE/OECD 2/2 773



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	AGCO POWER	66 AWI 810
<i>Type, Supercharging</i>	Inc	Yes
<i>Cylinders, Disposition</i>	Direct injection	vertical in line
<i>Capacity, Cooling</i>	6	Liquid
<i>Gear box</i>	6596 cm ³	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
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	549 min ⁻¹	1034 min ⁻¹
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	107,7 kW	2002 min ⁻¹	984 min ⁻¹
<i>Hourly and specific consumption</i>		31,71 l/h	246 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	96,1 kW	2101 min ⁻¹	1033 min ⁻¹
<i>Hourly and specific consumption</i>		29,88 l/h	260 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	103,4 kW	2035 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		31,04 l/h	251 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		618,2 Nm	1205 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R28	650/65 R38
<i>Test with tractor</i>	<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
<i>At maximum hydraulic power</i>			
<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
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		57,5 kN	52,3 kN