



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 789

21/10/2013

MASSEY FERGUSON

7616

4WD

Dyna6 - 40 km/h

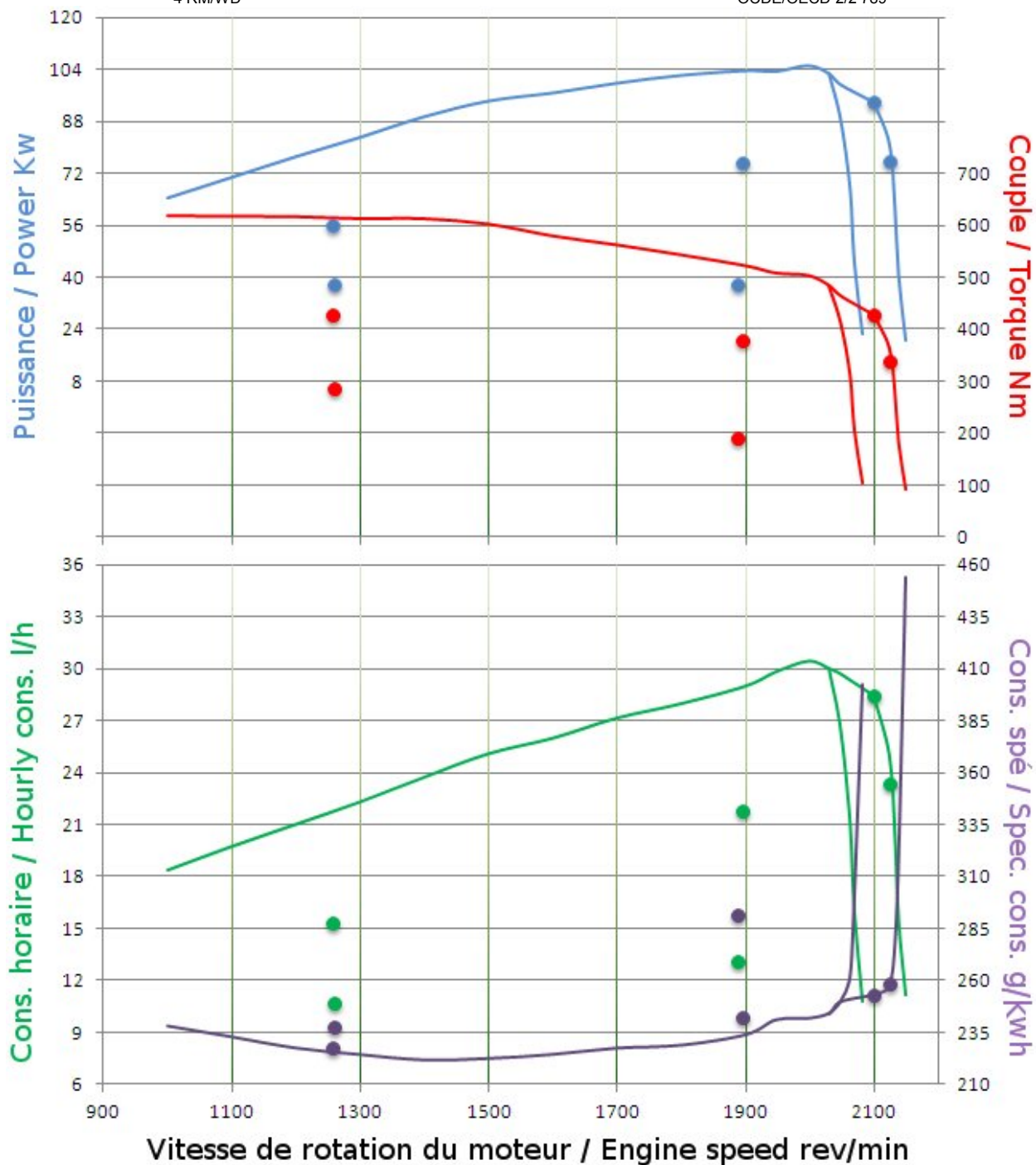
AGCO S.A.

IRSTEA – France

MASSEY FERGUSON 7616

4 RM/WD

OCDE/OECD 2/2 789



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	AGCO POWER Inc	66 AWI 694
<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>		Dyna6
<i>Number of forward and reverse speeds</i>	24	24
<i>Speed at rated engine speed</i>	from 1,55	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>	573 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 Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	105,3 kW	1998 min ⁻¹	984 min ⁻¹
<i>Hourly and specific consumption</i>		30,41 l/h	242 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	94,0 kW	2099 min ⁻¹	1034 min ⁻¹
<i>Hourly and specific consumption</i>		28,42 l/h	253 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	102,8 kW	2030 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		29,98 l/h	244 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	617,0 Nm	1001 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 R28	20.8 R38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6700 kg	
<i>Maximum drawbar pull</i>	59,7 kN	
<i>at speed of</i>	1,60 km/h	Not
<i>Maximum power</i>	89,4 kW	Applicable
<i>at speed of</i>	7,54 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>	97,2 l/min	13,2 MPa	21,4 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	100,6 l/min	13,3 MPa	22,3 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		46,8 kN	39,7 kN