



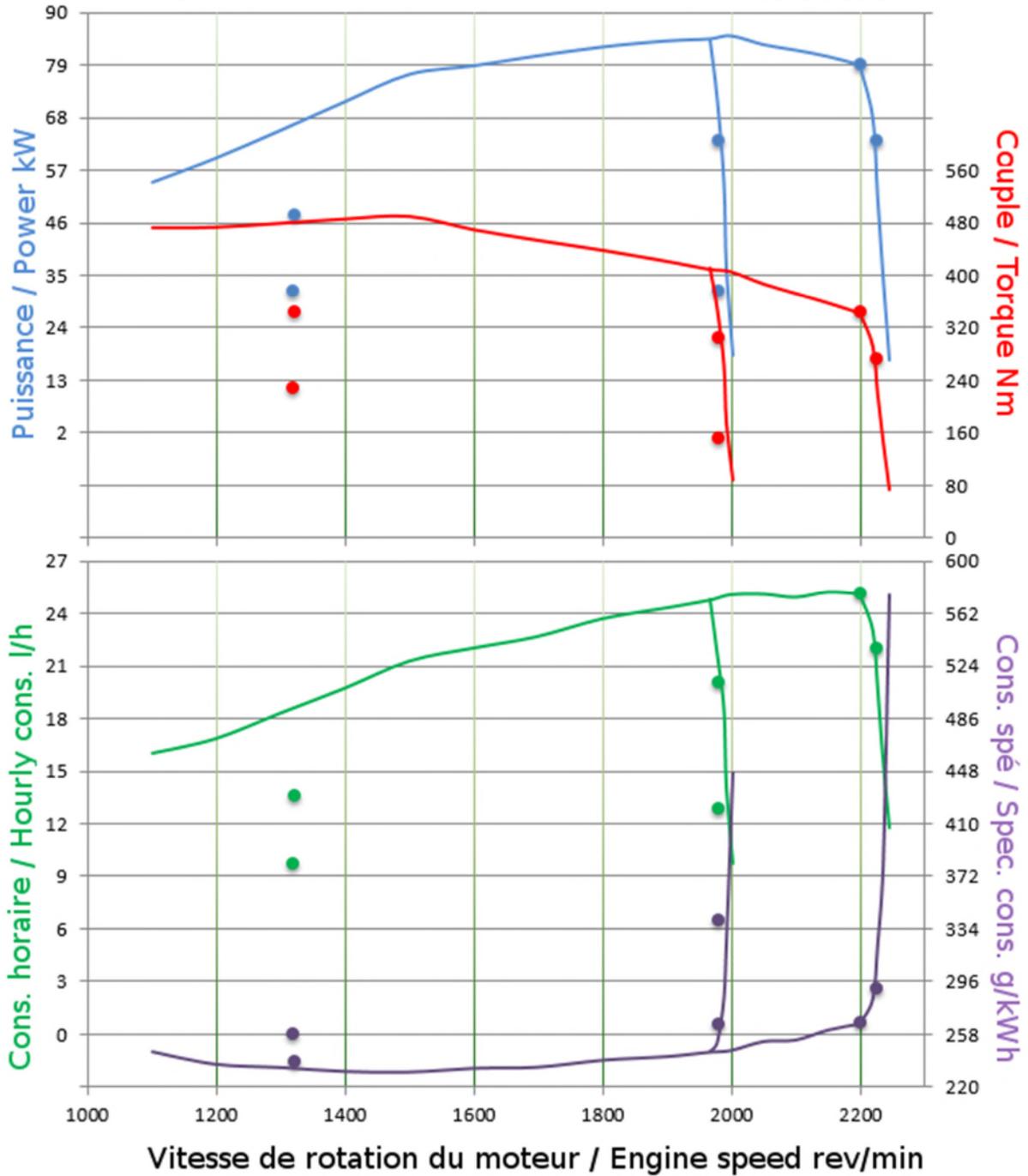
OECD approval number
OECD approval date
Make
Model
Type

2/2 824
 07/04/2014
Massey Ferguson
5613
4WD
 Mechanical synchromesh - 40 km/h
 AGCO S.A
 IRSTEA - France

Manufacturer:
Testing station:

Massey Ferguson 5613
4WD

OCDE/OECD 2/2 824



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	AGCO POWER		44 AWIC 904
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	4		vertical in line
<i>Capacity, Cooling</i>	4397 cm ³		Liquid
<i>Gear box</i>			Mechanical synchromesh
<i>Number of forward and reverse speeds</i>		16	16
<i>Speed at rated engine speed</i>		from 2,13	to 43,62 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>		618 min ⁻¹	1122 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>	85,0 kW	2000 min ⁻¹	1017 min ⁻¹
<i>Hourly and specific consumption</i>		25,07 l/h	247 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	79,0 kW	2200 min ⁻¹	1119 min ⁻¹
<i>Hourly and specific consumption</i>		25,11 l/h	266 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	84,4 kW	1966 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		24,75 l/h	245 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>		490,4 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	380/70 R28		520/70 R38
<u>Test with tractor</u>	<u>unballasted</u>		<u>ballasted</u>
<i>Total Mass</i>	5020 kg		
<i>Maximum drawbar pull</i>	45,5 kN		
<i>at speed of</i>	2,31 km/h		<i>Not</i>
<i>Maximum power</i>	73,0 kW		<i>Applicable</i>
<i>at speed of</i>	9,28 km/h		

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	94,8 l/min	13,1 MPa	20,8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	100,5 l/min	14,8 MPa	24,8 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		45,6 kN	42,0 kN