



OECD approval number
OECD approval date
Make
Model
Type

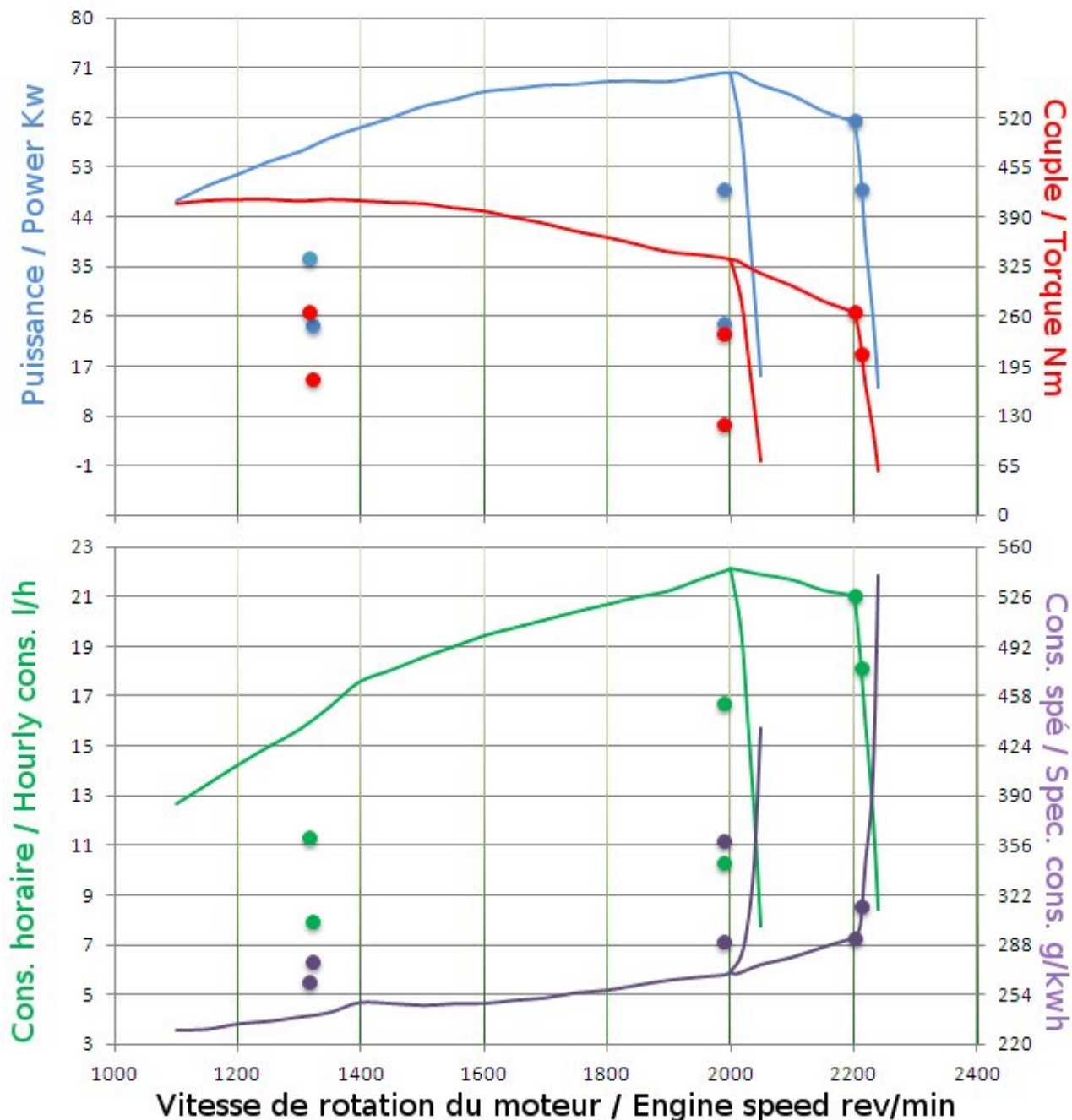
Manufacturer:
Testing station:

2/2 575
29/09/2010
Massey Ferguson
6445
4 WD

Mechanical - 40 km/h
AGCO S.A.
CEMAGREF - Antony, France

Massey Ferguson 6445
4 RM/WD

OCDE/OECD 2/2 575



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1104D-E44TA (3261/2200)	
<i>Type, Supercharging</i>	Direct Injection		Yes
<i>Cylinders, Disposition</i>	4		vertical in line
<i>Capacity, Cooling</i>	4400 cm ³		Liquid
<i>Gear box</i>			Mechanical
<i>Number of forward and reverse speeds</i>		24	24
<i>Speed at rated engine speed</i>		from 1,68	to 40 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>		601 min ⁻¹	1100 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>	70,1 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		22,12 l/h	269 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	61,4 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		21,02 l/h	292 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	70,1 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		22,12 l/h	269 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		413,2 Nm	1250 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 R28	18.4 R38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4940 kg	
<i>Maximum drawbar pull</i>	44,2 kN	
<i>at speed of</i>	1,5 km/h	<i>Not</i>
<i>Maximum power</i>	58,7 kW	<i>Applicable</i>
<i>at speed of</i>	8,36 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	55,2 l/min	15,1 MPa	13,9 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	54,6 l/min	14,7 MPa	13,4 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		46,2 kN	37,8 kN