



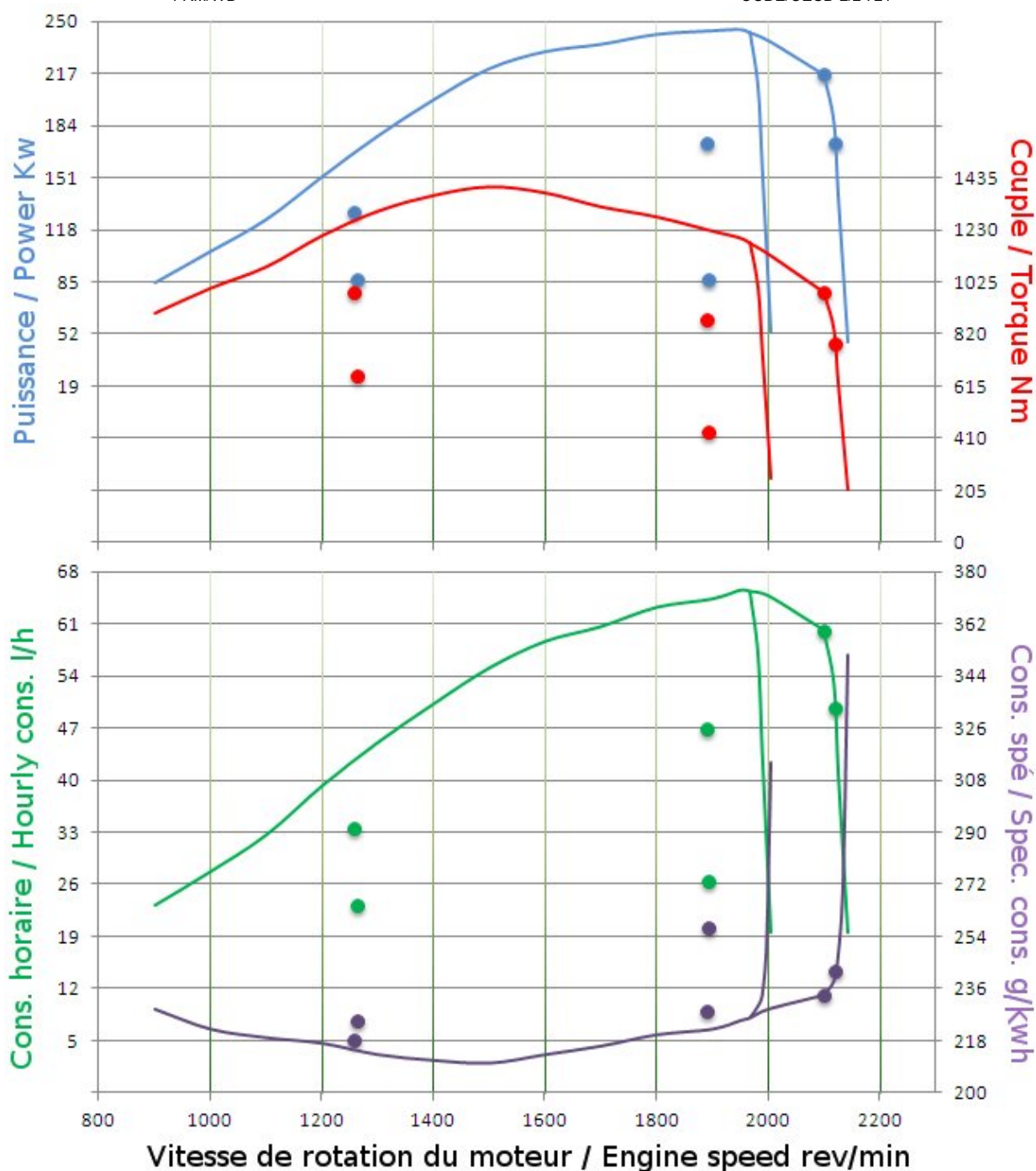
OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 721
13/11/2012
Massey Ferguson
8680
4WD
CVT - 40 km/h
AGCO S.A.
DLG e.V.
Test Center Technology and Farm inputs

Massey Ferguson 8680
4 RM/WD

OCDE/OECD 2/2 721



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu	84.AWI.658
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8419 cm ³	Liquid
<i>Gear box</i>		CVT
<i>Number of forward and reverse speeds</i>	-	-
<i>Speed at rated engine speed</i>	from 0	to 40 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>		1067 min ⁻¹
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	244,85 kW	1950 min ⁻¹	991 min ⁻¹
<i>Hourly and specific consumption</i>		65,42 l/h	225 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	216,39 kW	2100 min ⁻¹	1067 min ⁻¹
<i>Hourly and specific consumption</i>		60,06 l/h	234 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	242,80 kW	1968 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		65,26 l/h	226 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>	1401,6 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	600/65R34	710/75R42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	11430 kg	
<i>Maximum drawbar pull</i>	115,09 kN	
<i>at speed of</i>	4,52 km/h	Not
<i>Maximum power</i>	198,2 kW	Applicable
<i>at speed of</i>	8,18 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>	103,2 l/min	15,8 MPa	27,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	143,6 l/min	16,4 MPa	39,3 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		83,9 kN	79,4 kN