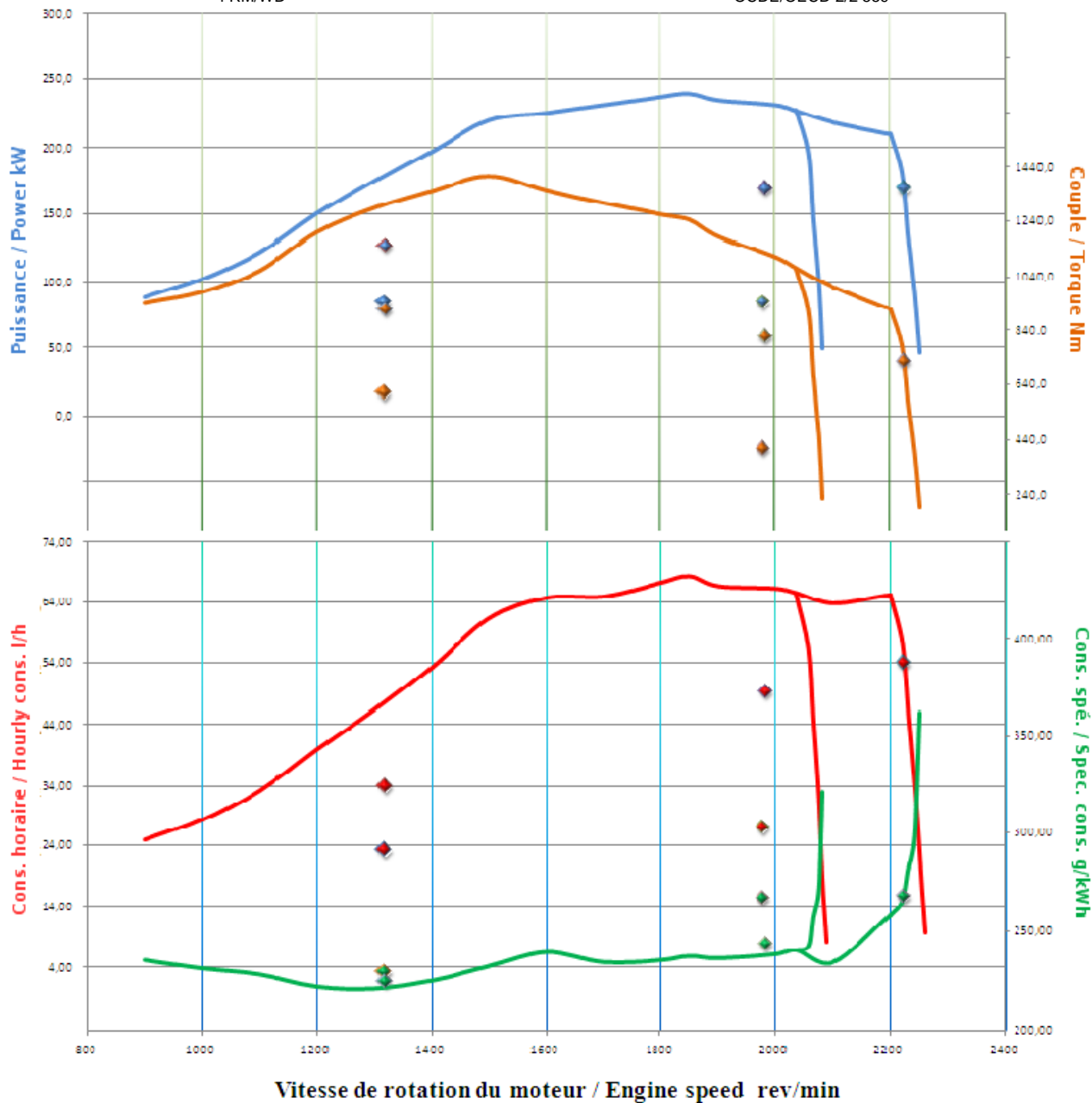




OECD approval number 2/2 559
OECD approval date 01/06/2010
Make Massey Ferguson
Model 8680
Type 4 WD
 Y42 - continuously variable transmission - 40 km/h
Manufacturer: AGCO S.A.
Testing station: DLG e.V., Gross-Umstadt, Germany

Massey Ferguson 8680
4 RM/WD

OCDE/OECD 2/2 559



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	SISU	84.449 CTA-4V
<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>		continuously variable transmission
<i>Number of forward and reverse speeds</i>	Not Applicable	Not Applicable
<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>	583 min ⁻¹	1082 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	21	21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	240,6 kW	1850 min ⁻¹	909 min ⁻¹
<i>Hourly and specific consumption</i>		68,04 dm ³ /h	237 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	210,8 kW	2200 min ⁻¹	1081 min ⁻¹
<i>Hourly and specific consumption</i>		65,07 dm ³ /h	258 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	227,9 kW	2035 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		65,34 dm ³ /h	240 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		1406,5 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/90R30	480/80R46
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	11720 kg	15740 kg
<i>Maximum drawbar pull</i>	120,13 kN	151,65 kN
<i>at speed of</i>	3,79 km/h	3,05 km/h
<i>Maximum power</i>	196,91 kW	203,93 kW
<i>at speed of</i>	12,37 km/h	7,43 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Closed
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	90,1 l/min	17,3 MPa	26,0 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	169,0 l/min	15,2 MPa	42,8 kW

Maximum lifting force

<i>at the hitch points, at frame</i>		97,9 kN	89,5 kN
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