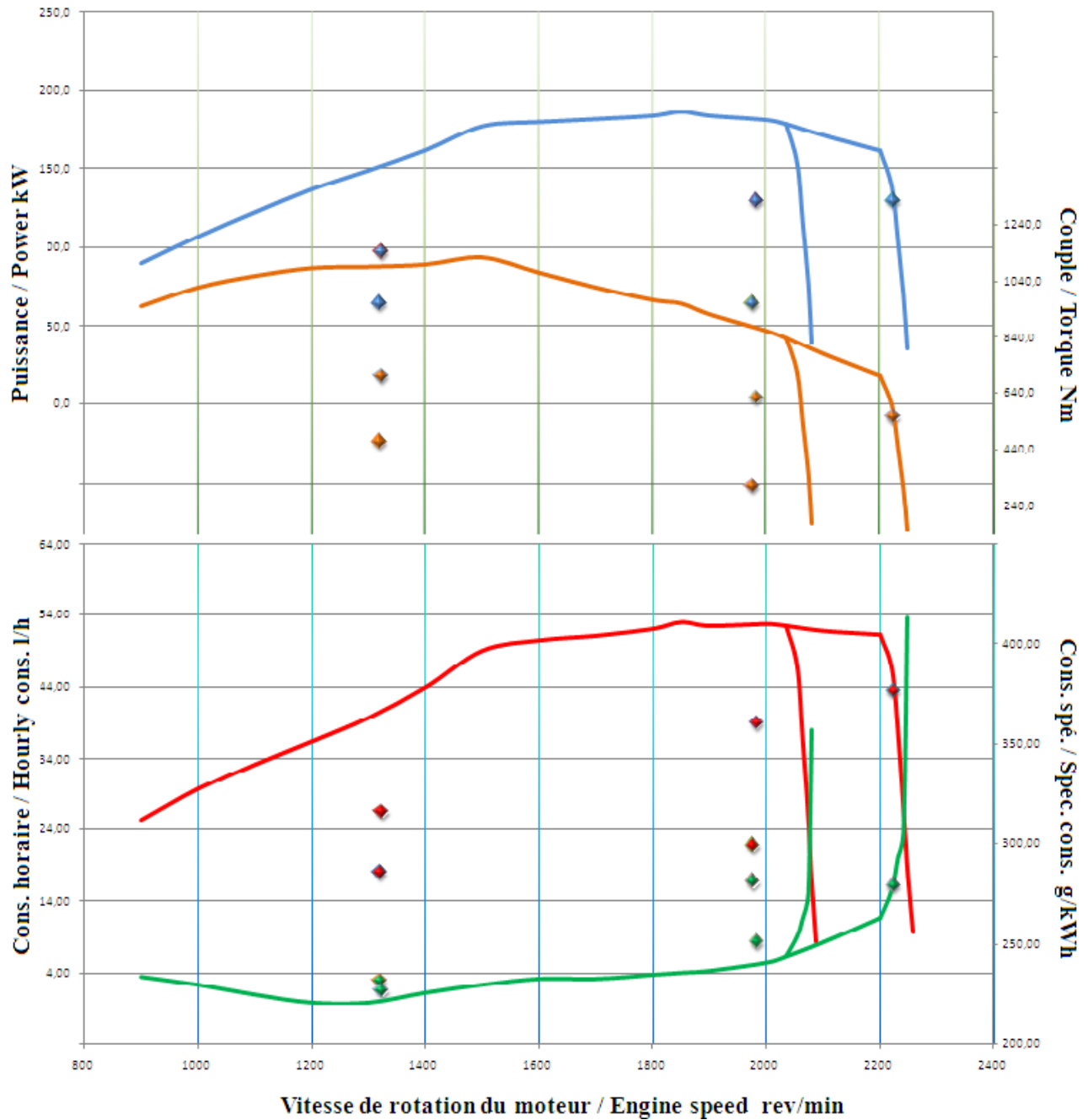




OECD approval number 2/2 557
 OECD approval date 26/05/2010
 Make Massey Ferguson
 Model 8650
 Type 4 WD
 Y39 - continuously variable transmission - 40 km/h
 Manufacturer: AGCO S.A.
 Testing station: DLG e.V., Gross-Umstadt, Germany

Massey Ferguson 8650
4 RM/WD

OCDE/OECD 2/2 557



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	SISU	84.531 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>	186,4 kW	1850 min ⁻¹	909 min ⁻¹
<i>Hourly and specific consumption</i>		52,88 dm ³ /h	236 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	161,2 kW	2200 min ⁻¹	1081 min ⁻¹
<i>Hourly and specific consumption</i>		51,16 dm ³ /h	263 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	178,2 kW	2035 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		52,37 dm ³ /h	244 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		1126 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	12250 kg
<i>Maximum drawbar pull</i>	119,08 kN	121,98 kN
<i>at speed of</i>	4,02 km/h	3,54 km/h
<i>Maximum power</i>	157,22 kW	153,42 kW
<i>at speed of</i>	7,46 km/h	7,48 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed
<u>At maximum hydraulic power</u>			
<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
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		97,9 kN	89,5 kN