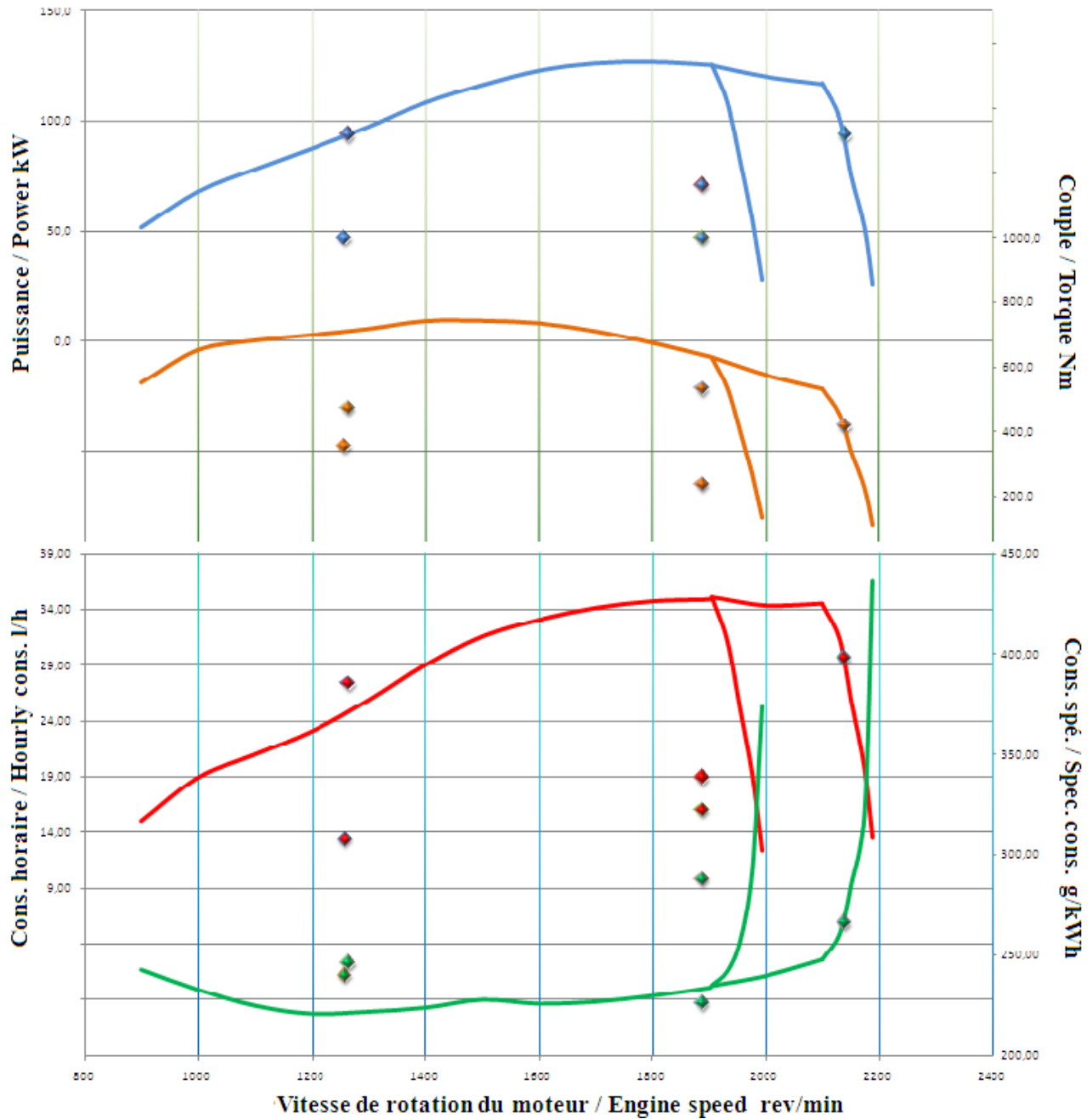




OECD approval number 2/2 541
 OECD approval date 17/02/2010
 Make Fendt
 Model 718 Vario TMS, COM IIIa
 Type 4 WD
 T 727 - continuously variable transmission - 50 km/h
 Manufacturer: AGCO GmbH
 Testing station: DLG e.V., Gross-Umstadt, Germany

Fendt 718 Vario TMS, COM IIIa
4 RM/WD

OCDE/OECD 2/2 541



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Deutz	TCD 2012
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6057 cm ³	Liquid
<i>Gear box</i>	continuously variable transmission	
<i>Number of forward and reverse speeds</i>	NA	NA
<i>Speed at rated engine speed</i>	from 0	to 50 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>	587 min ⁻¹	1102 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	6

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	127,2 kW	1800 min ⁻¹	945 min ⁻¹
<i>Hourly and specific consumption</i>		34,75 dm ³ /h	230 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	117,2 kW	2100 min ⁻¹	1102 min ⁻¹
<i>Hourly and specific consumption</i>		34,56 dm ³ /h	248 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	125,6 kW	1905 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		35,11 dm ³ /h	235 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	743 Nm	1500 min ⁻¹	28,3 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R 30	650/65 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7155 kg	
<i>Maximum drawbar pull</i>	73,60 kN	Not
<i>at speed of</i>	4,69 km/h	required
<i>Maximum power</i>	107,44 kW	
<i>at speed of</i>	12,91 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>	71,6 l/min	19,0 MPa	22,7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	106,1 l/min	19,1 MPa	33,8 kW

Maximum lifting force

<i>at the hitch points, at frame</i>	64,4 kN	54,7 kN
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