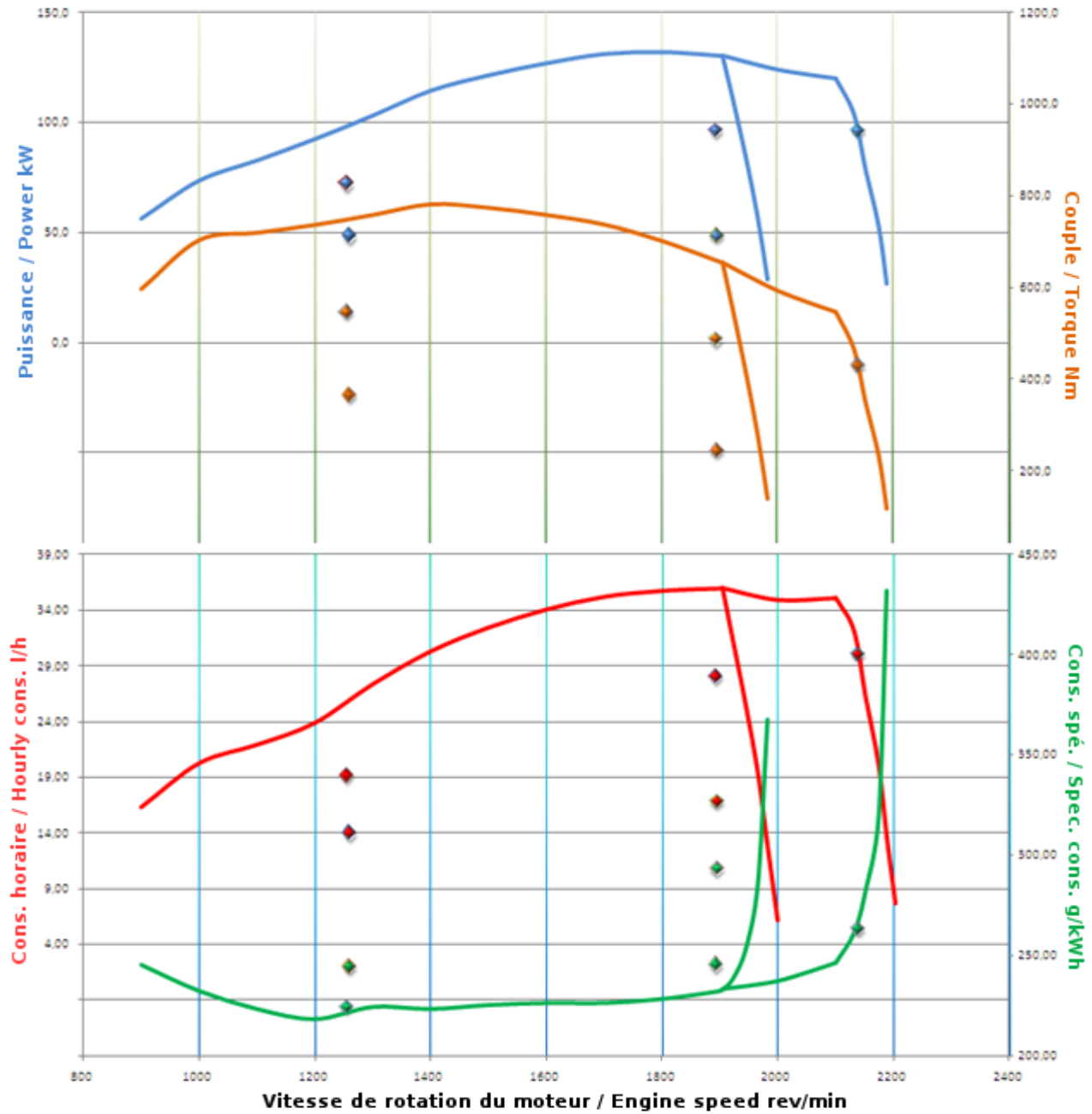




OECD approval number 2/2 540
 OECD approval date 17/02/2010
 Make Fendt
 Model 818 Vario TMS, COM IIIa
 Type 4 WD
 T 729 - continuously variable transmission - 50 km/h
 Manufacturer: AGCO GmbH
 Testing station: DLG e.V., Gross-Umstadt, Germany

Fendt 818 Vario TMS, COM IIIa
4 RM/WD

OCDE/OECD 2/2 540



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>	132,0 kW	1800 min ⁻¹	945 min ⁻¹
<i>Hourly and specific consumption</i>		35,77 dm ³ /h	228 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	120,0 kW	2100 min ⁻¹	1102 min ⁻¹
<i>Hourly and specific consumption</i>		35,12 dm ³ /h	246 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	130,3 kW	1905 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		36,01 dm ³ /h	233 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	780 Nm	1400 min ⁻¹
---	--------	------------------------

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>	74,48 kN	Not
<i>at speed of</i>	3,81 km/h	required
<i>Maximum power</i>	109,52 kW	
<i>at speed of</i>	14,44 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Closed
-------------------------	--	--------

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
--------------------------------------	---------	---------