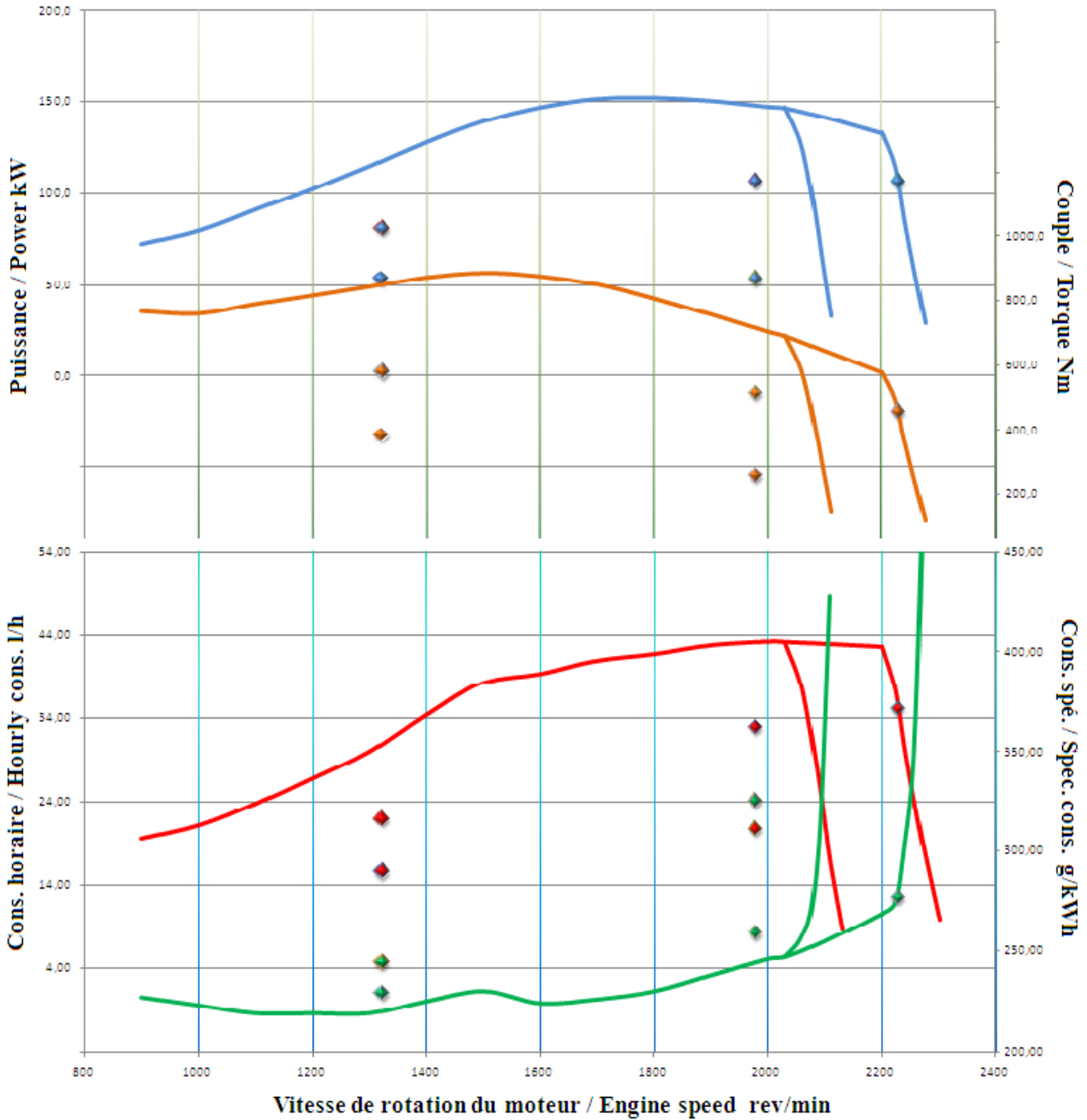




OECD approval number 2/2 551
OECD approval date 29/03/2010
Make Fendt
Model 922 Vario TMS, COM IIIa
Type 4 WD
 T 919 - continuously variable transmission - 60 km/h
Manufacturer: AGCO GmbH
Testing station: DLG e.V., Gross-Umstadt, Germany

Fendt 922 Vario TMS, COM IIIa
4 RM/WD

OCDE/OECD 2/2 551



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Deutz	TCD 2013L06 4V	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	7146 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 60 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		583 min ⁻¹	1083 min ⁻¹
<i>Diameter of the shaft</i>		44,45 mm	44,45 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>	152,4 kW	1800 min ⁻¹	887 min ⁻¹
<i>Hourly and specific consumption</i>		41,73 dm ³ /h	230 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	133,0 kW	2200 min ⁻¹	1084 min ⁻¹
<i>Hourly and specific consumption</i>		42,59 dm ³ /h	269 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	146,7 kW	2030 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		43,16 dm ³ /h	247 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>		889 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	600/70 R 34	710/75 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	10690 kg	
<i>Maximum drawbar pull</i>	104,42 kN	<i>Not</i>
<i>at speed of</i>	4,03 km/h	<i>required</i>
<i>Maximum power</i>	134,49 kW	
<i>at speed of</i>	7,64 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>	103,2 l/min	17,7 MPa	30,4 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	205,9 l/min	18,0 MPa	61,8 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		83,6 kN	78,6 kN