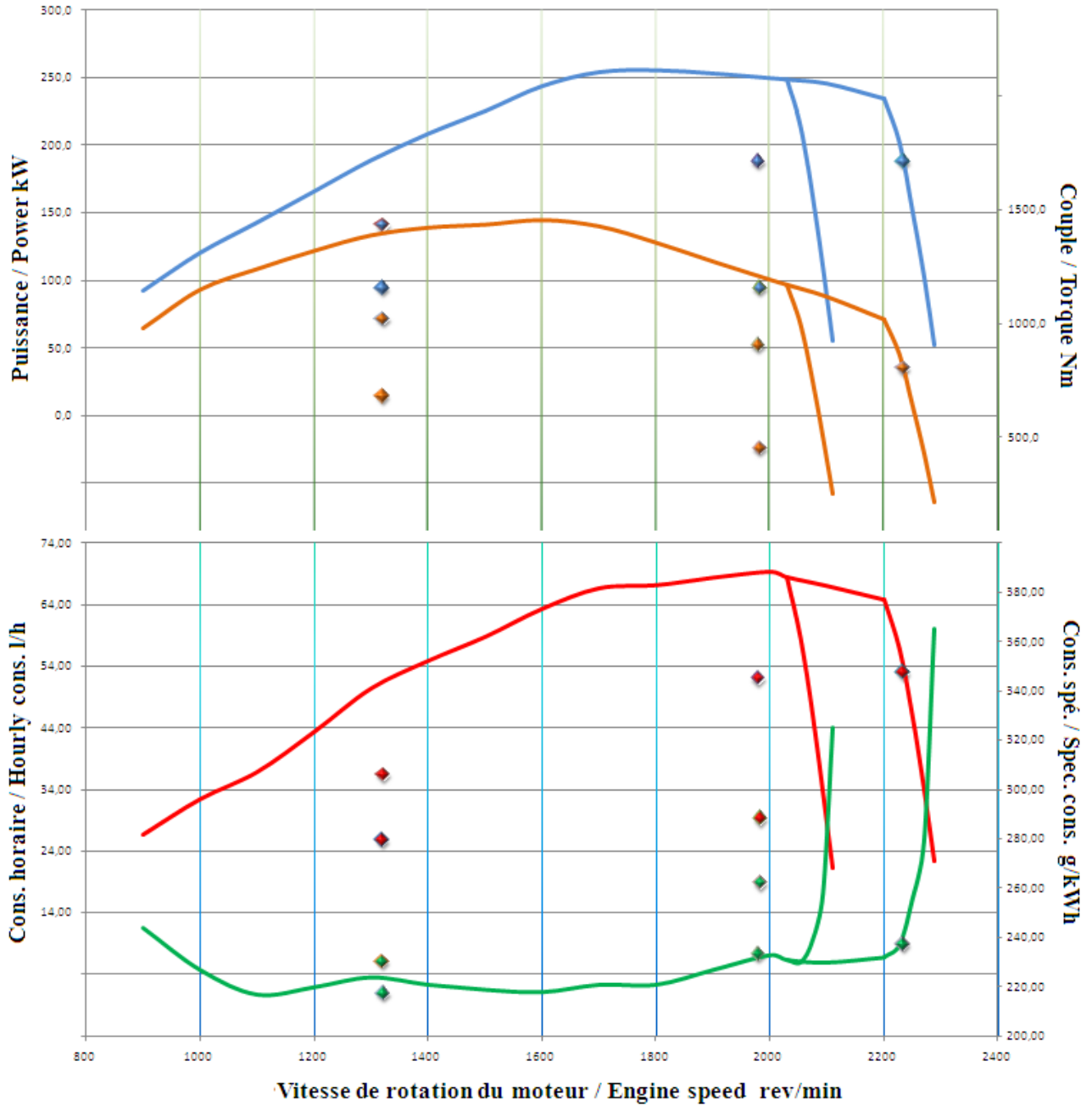




OECD approval number 2/2 536
OECD approval date 28/01/2010
Make Fendt
Model 936 Vario TMS, COM IIIa
Type 4 WD
 T 934 - continuously variable transmission - 60 km/h
Manufacturer: AGCO GmbH
Testing station: DLG e.V., Gross-Umstadt, Germany

Fendt 936 Vario TMS, COM IIIa
4 RMWD

OCDE/OECD 2/2 536



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>	Not Applicable	Not Applicable
<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 Test

<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	255,5 kW	1800 min ⁻¹	887 min ⁻¹
<i>Hourly and specific consumption</i>		67,14 dm ³ /h	221 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	234,5 kW	2200 min ⁻¹	1084 min ⁻¹
<i>Hourly and specific consumption</i>		64,78 dm ³ /h	232 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	248,6 kW	2030 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		68,42 dm ³ /h	231 g/kWh
<u>Torque rise</u>			32,8 %
<u>Maximum torque, Engine speed corresponding</u>		1455 Nm	1600 min ⁻¹

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>	111,72 kN	<i>Not</i>
<i>at speed of</i>	5,67 km/h	<i>required</i>
<i>Maximum power</i>	219,35 kW	
<i>at speed of</i>	13,71 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