



OECD approval number

2/2 610

OECD approval date

15/07/2011

Make

Fendt

Model

828 Vario SCR

Type

4 WD

Continuously variable transmission - 50 km/h

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DLG e.V.

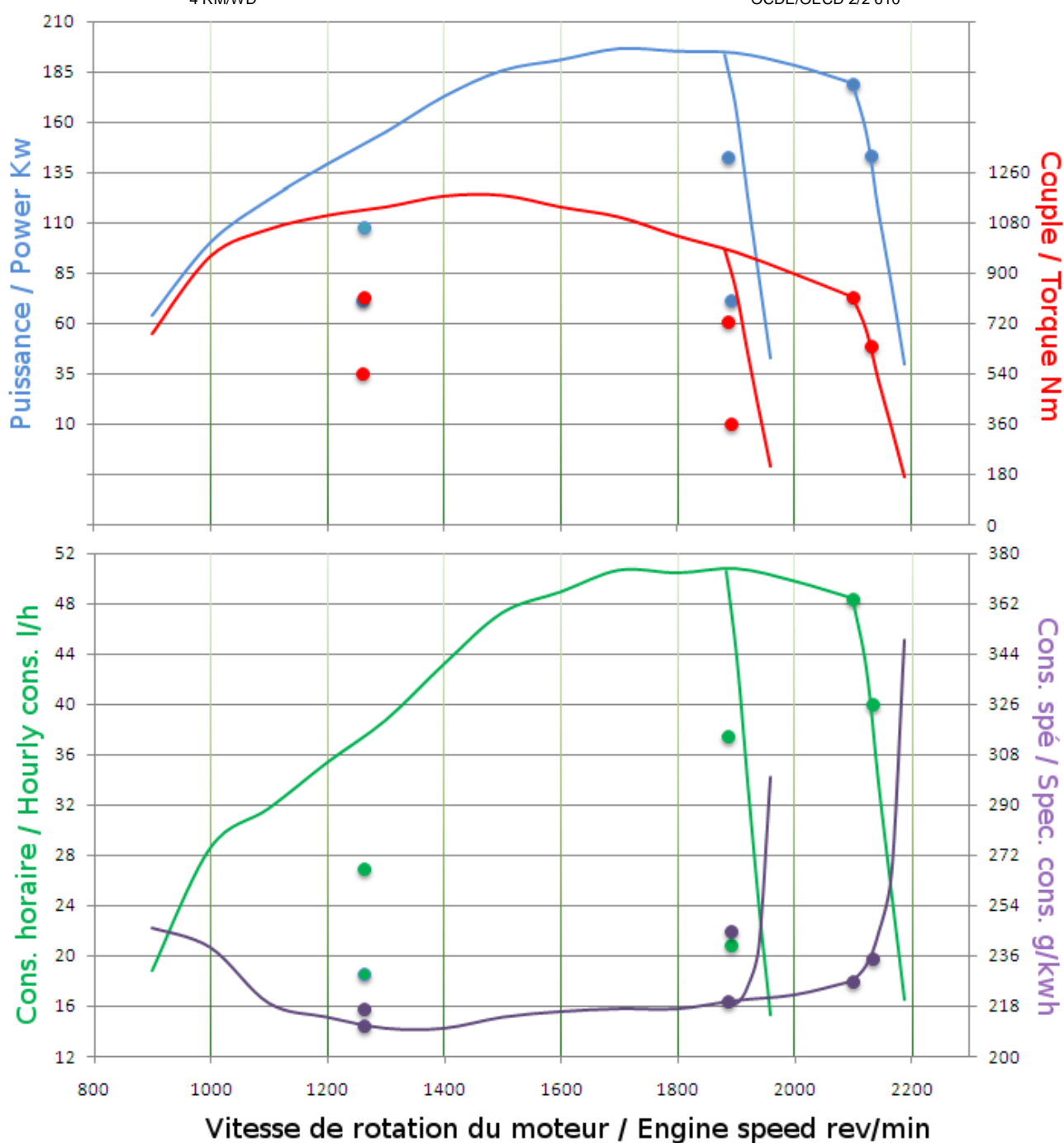
Manufacturer:

Test Center Technology and Farm inputs

Testing station:

Fendt 828 Vario SCR
4 RM/WD

OCDE/OECD 2/2 610



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Deutz	TCD 6.1 L6
<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>		1115 min ⁻¹
<i>Diameter of the shaft</i>	Not	44,45 mm
<i>Number of splines</i>	Applicable	6

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	196,3 kW	1700 min ⁻¹	903 min ⁻¹
<i>Hourly and specific consumption</i>		50,6 l/h	217 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	179,2 kW	2100 min ⁻¹	1115 min ⁻¹
<i>Hourly and specific consumption</i>		48,4 l/h	227 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	193,8 kW	1882 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		50,58 l/h	219 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1180,8 Nm		1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R 34	650/85 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	9230 kg	
<i>Maximum drawbar pull</i>	94,66 kN	
<i>at speed of</i>	5,67 km/h	Not
<i>Maximum power</i>	168,1 kW	Applicable
<i>at speed of</i>	8,69 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>	118,75 l/min	15,8 MPa	31,3 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	129,93 l/min	18,5 MPa	40,1 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		83,4 kN	72,6 kN