



OECD approval number

2/2 064

Restricted Code

OECD approval date

27/05/2003

Make

Fendt

Model

920 Vario

Type

4 WD

Manufacturer

NA - F1 - 50 km/h
AGCO GmbH & Co.

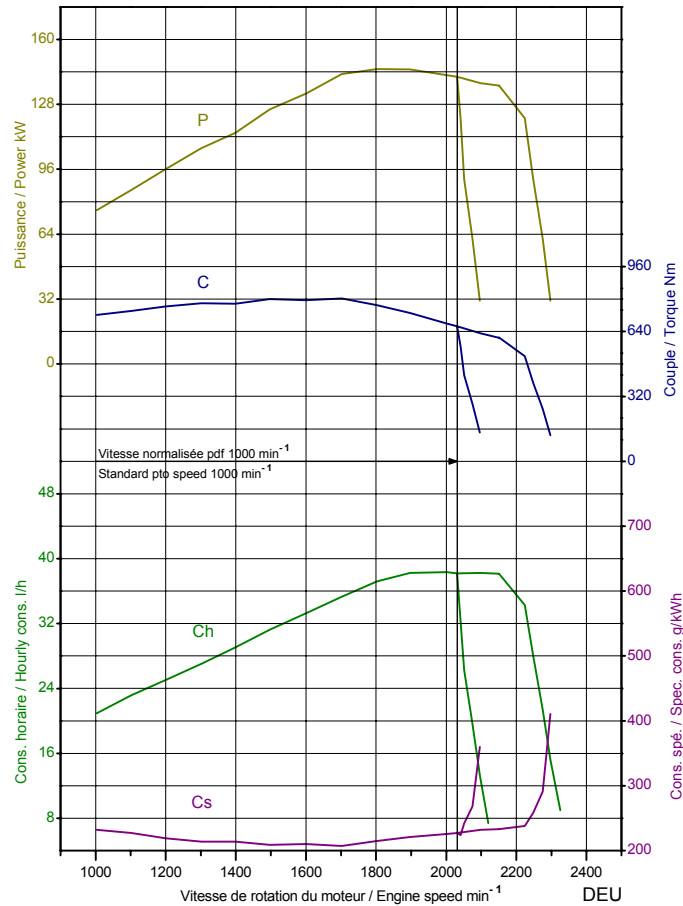
Testing station:

DLG, Gross-Umstadt, Germany

Fendt 920 Vario (NA - F1)

4 RM/WD

OCDE/OECD 2/2064



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	MAN	DO 836LE501	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	in line	
<i>Capacity, Cooling</i>	6871 cm ³	Liquid	
<i>Gear box</i>		Hydrostatic and mechanical	
<i>Number of forward and reverse speeds</i>		Not significant	
<i>Speed at rated engine speed</i>		from 0.00	to 50.00 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>			1058 min ⁻¹
<i>Diameter of the shaft</i>			45 mm
<i>Number of splines</i>			20

Power take-off Test

<u>Two hours test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	145.4 kW	1802 min ⁻¹	887 min ⁻¹
<i>Hourly and specific consumption</i>		37.18 l/h	215 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	137.3 kW	2151 min ⁻¹	1059 min ⁻¹
<i>Hourly and specific consumption</i>		38.14 l/h	233 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	141.6 kW	2031 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		38.17 l/h	227 g/kWh
<u>Torque rise</u>			31.5 %
<u>Maximum torque. Engine speed corresponding</u>		802.0 Nm	1702 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 R 38	480/80 R 46
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8555 kg	
<i>Maximum drawbar pull</i>	85.5 kN	Not
<i>at speed of</i>	4.64 km/h	required
<i>Maximum power</i>	123.7 kW	in
<i>at speed of</i>	10.44 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Closed centre	
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	71.3 l/min	17.6 MPa	20.9 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		67.5 kN	71.6 kN

