



OECD approval number

2/2 008

Restricted Code

OECD approval date

18/10/2002

Make

John Deere

Model

6320

Type

4 WD

NA - PowrQuad Plus - 30 km/h

Manufacturer

Deere & Company

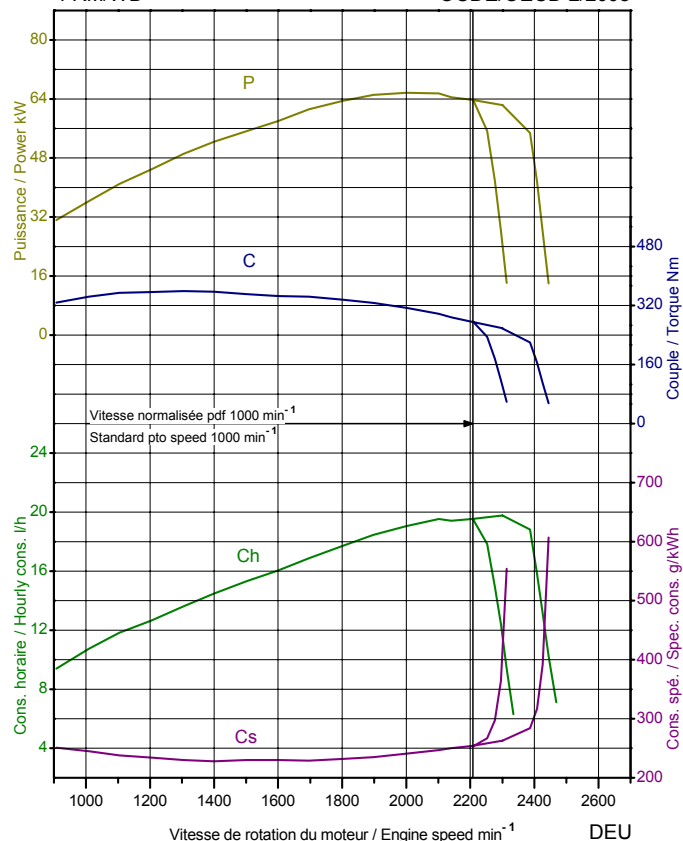
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 6320 NA PowrQuad Plus

4 RM/WD

OCDE/OECD 2/2008



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL073
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.55	to 30.60 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>	580 min ⁻¹	1042 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	65.7 kW	2001 min ⁻¹	906 min ⁻¹
<i>Hourly and specific consumption</i>		19.06 l/h	241 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	62.3 kW	2300 min ⁻¹	1042 min ⁻¹
<i>Hourly and specific consumption</i>		19.78 l/h	263 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	63.9 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.54 l/h	253 g/kWh

Torque rise

		39.1 %
<u>Maximum torque, Engine speed corresponding</u>	359.0 Nm	1304 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 - 24	18.4 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4550 kg	
<i>Maximum drawbar pull</i>	42.2 kN	Not
<i>at speed of</i>	3.77 km/h	required
<i>Maximum power</i>	54.1 kW	in
<i>at speed of</i>	8.47 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Closed centre
<i>Maximum lifting force at hitch points, at frame</i>	25.7 kN	22.5 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	103.6 l/min	18.0 MPa
		31.1 kW

