



OECD approval number

2/2 126

Restricted Code

OECD approval date

14/05/2004

Make

John Deere

Model

6420

Type

4 WD

NA - AutoQuad - TIER 2 - 40 km/h

Manufacturer

Deere & Company

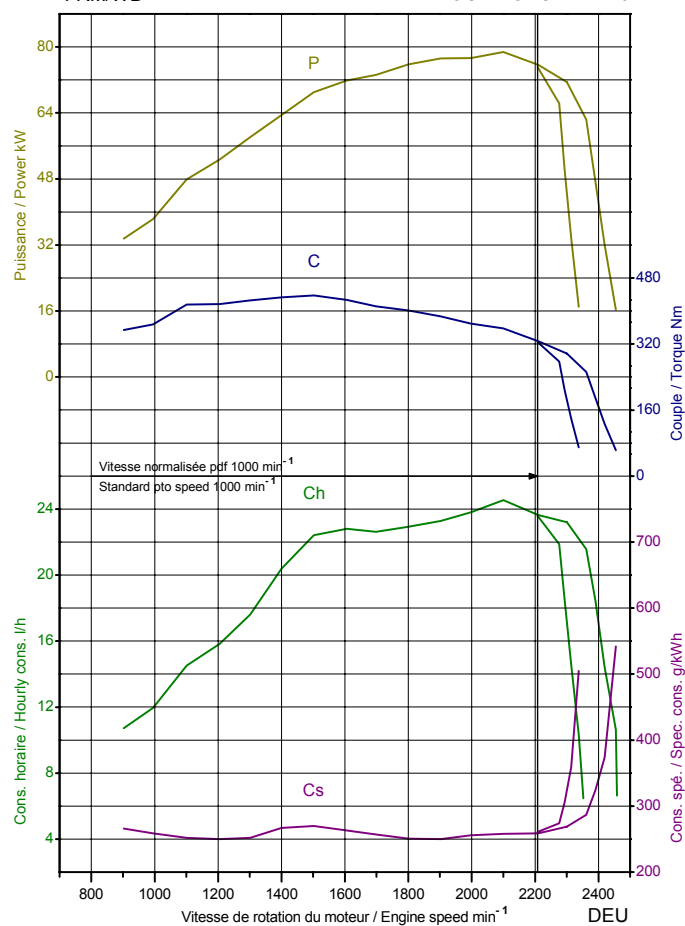
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 6420

4 RM/WD

OCDE/OECD 2/2126



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL271
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	24	24
<i>Speed at rated engine speed</i>	from 1.58	to 39.93 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>	78.8 kW	2100 min ⁻¹	951 min ⁻¹
<i>Hourly and specific consumption</i>		24.54 l/h	258 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	71.5 kW	2301 min ⁻¹	1042 min ⁻¹
<i>Hourly and specific consumption</i>		23.20 l/h	269 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	75.1 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.60 l/h	261 g/kWh

Torque rise

		47.5 %	
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<u>Maximum torque, Engine speed corresponding</u>	438.0 Nm	1503 min ⁻¹	
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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>	5080 kg	
<i>Maximum drawbar pull</i>	42.3 kN	Not
<i>at speed of</i>	5.14 km/h	required
<i>Maximum power</i>	66.7 kW	in
<i>at speed of</i>	13.02 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>	95.8 l/min	18.0 MPa	28.8 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		29.7 kN	24.8 kN

