



OECD approval number

2/2 032

OECD approval date

Restricted Code

10/01/2003

Make

John Deere

Model

6420S

Type

4 WD

Manufacturer

AutoQuad - 40 km/h

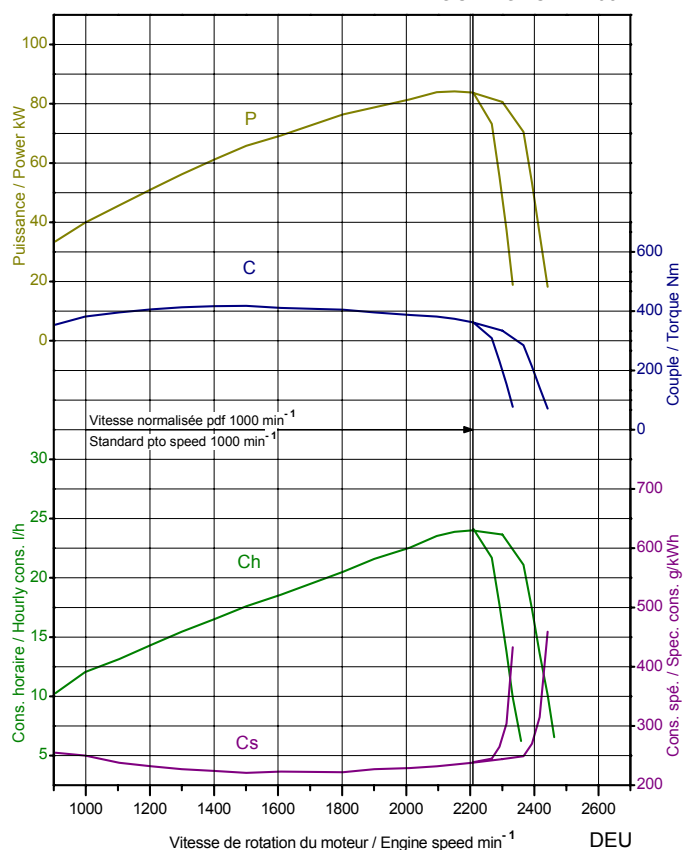
Testing station:

Deere & Company

DLG, Gross-Umstadt, Germany

John Deere 6420S
4 RM/WD

"Transport/PTO mode"
OCDE/OECD 2/2032



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HLA73 (DD20010)
<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
<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>	84.2 kW	2151 min ⁻¹	974 min ⁻¹
<i>Hourly and specific consumption</i>		23.88 l/h	235 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	80.6 kW	2300 min ⁻¹	1042 min ⁻¹
<i>Hourly and specific consumption</i>		23.64 l/h	244 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	83.7 kW	2210 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		24.13 l/h	239 g/kWh

Torque rise

25.1 %

Maximum torque, Engine speed corresponding418.0 Nm 1501 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

540/65 R 24 600/65 R 38

Test with tractorunballasted ballasted*Total Mass*

5280 kg

Maximum drawbar pull

55.8 kN

Not

at speed of

3.83 km/h

required

Maximum power

70.0 kW

in

at speed of

9.19 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power*

68.1 l/min

18.5 MPa

21.0 kW

Maximum lifting force*at hitch points, at frame*

33.3 kN

28.5 kN

