



OECD approval number

2/2 080

Restricted Code

OECD approval date

15/09/03

Make

John Deere

Model

7220

Type

4 WD

PowrQuad Plus - MFWD - 40 km/h

Manufacturer

John Deere Tractor Works

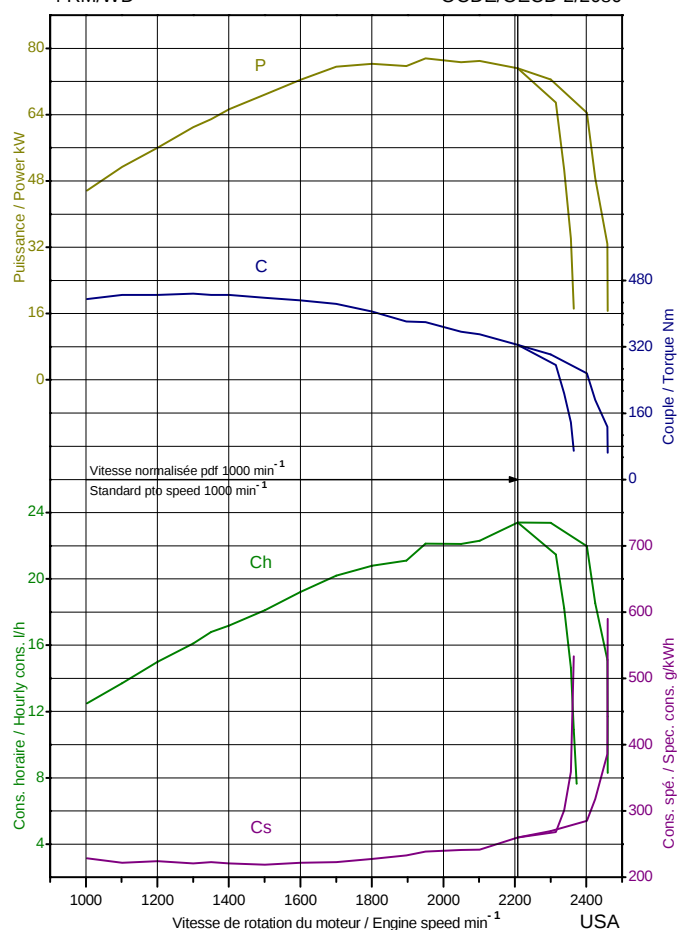
Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

John Deere 7220

4 RM/WD

OCDE/OECD 2/2080



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068TRW01
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.46	to 29.51 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<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>	77.6 kW	1950 min ⁻¹	883 min ⁻¹
<i>Hourly and specific consumption</i>		22.14 l/h	239 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	72.5 kW	2300 min ⁻¹	1041 min ⁻¹
<i>Hourly and specific consumption</i>		23.39 l/h	270 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	75.2 kW	2209 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.40 l/h	260 g/kWh

Torque rise

48.8 %

Maximum torque, Engine speed corresponding448.0 Nm 1300 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

380/85 R 28 480/80 R 38

Test with tractorunballasted ballasted*Total Mass*

5371 kg

Maximum drawbar pull

53.0 kN

Not

at speed of

3.90 km/h

required

Maximum power

68.6 kW

in

at speed of

5.71 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power (couplers: 1 pair)* 106.4 l/min 16.6 MPa 29.4 kW*Flow rate, Pressure, Power (couplers: 2 pairs or +)* 107.5 l/min 18.7 MPa 33.4 kWMaximum lifting force*at hitch points, at frame (Cat. 2, 2 x Ø 75 mm cylinders)* 28.5 kN 24.9 kN*at hitch points, at frame (Cat. 3N, 2 x Ø 90 mm cylinders)* 42.1 kN 39.4 kN