



OECD approval number

2/2 408

OECD approval date

16/05/2008

Make

John Deere

Model

7930

Type

4 WD

AutoQuad Plus - MFWD - 40 km/h

Manufacturer

John Deere Tractor Works

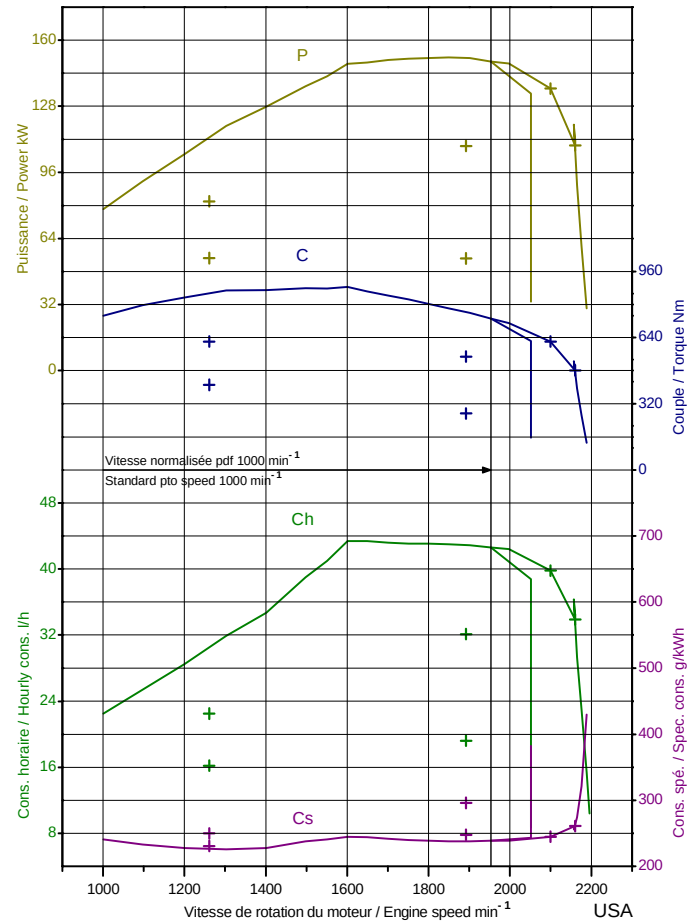
Testing station:

Nebraska Tractor Test Laboratory,
Lincoln, USA

John Deere 7930

4 RMWD

OCDE/OECD 2/2408



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	PE6068HRW65
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6784 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 2.51	to 41.01 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>	582 min ⁻¹	1077 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>	151.7 kW	1850 min ⁻¹	947 min ⁻¹
<i>Hourly and specific consumption</i>		43.04 l/h	238 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	136.5 kW	2100 min ⁻¹	1075 min ⁻¹
<i>Hourly and specific consumption</i>		39.82 l/h	245 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	149.7 kW	1953 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		42.64 l/h	239 g/kWh

Torque rise

42.5 %

Maximum torque, Engine speed corresponding885.0 Nm 1601 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

420/90 R 30 480/80 R 46

Test with tractorunballasted ballasted*Total Mass*

8042 kg 11414 kg

Maximum drawbar pull

71.8 kN 103.1 kN

at speed of

5.11 km/h 3.47 km/h

Maximum power

138.0 kW 139.8 kW

at speed of

10.79 km/h 6.76 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair) 145.4 l/min 13.2 MPa 32.1 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +) 166.9 l/min 17.5 MPa 48.7 kW

Maximum lifting force

at the hitch points, at frame (Cat. 3, Euro, 2xØ 90 mm cylinders) 55.2 kN 60.6 kN

at the hitch points, at frame (Cat. 3, Euro, 2xØ 100 mm cylinders) 69.6 kN 75.1 kN

at the hitch points, at frame (Cat. 3, 2xØ 90 mm cylinders) 53.1 kN 48.9 kN

at the hitch points, at frame (Cat. 3, 2xØ 100 mm cylinders) 75.2 kN 69.3 kN

