



OECD approval number

2/2 376

Restricted Code

OECD approval date

27/08/2007

Make

John Deere

Model

8130

Type

4 WD

Power Shift Transmission (PST) - MFWD - 40 km/h

Manufacturer

John Deere Tractor Works

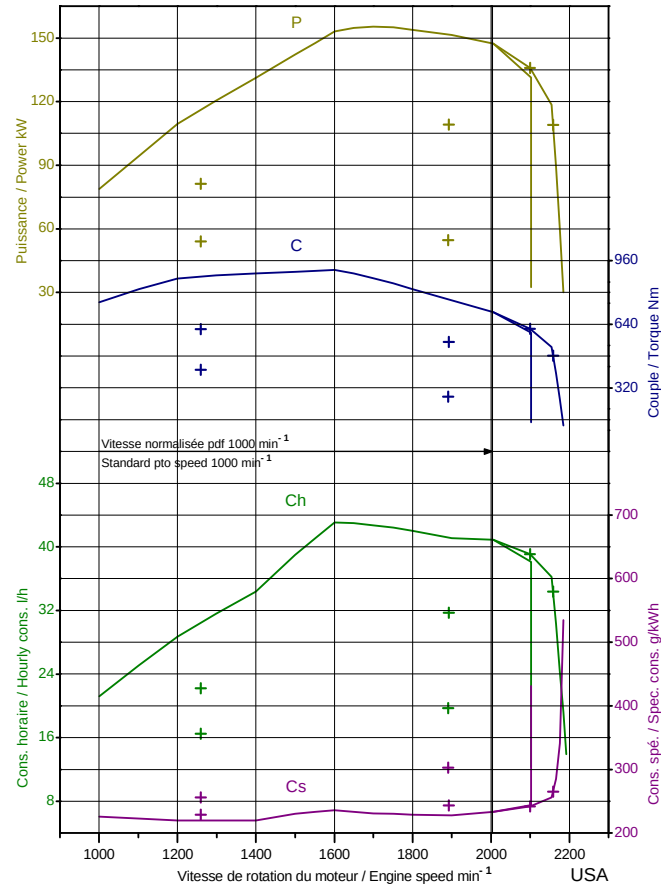
Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

John Deere 8130

4 RM/WD

OCDE/OECD 2/2376



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6090HRW01
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8984 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	16	4
<i>Speed at rated engine speed</i>	from 1.81	to 37.67 km/h
<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1048 min ⁻¹
<i>Diameter of the shaft</i>		45 mm
<i>Number of splines</i>		20

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	155.3 kW	1700 min ⁻¹	847 min ⁻¹
<i>Hourly and specific consumption</i>		42.73 l/h	231 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	135.9 kW	2099 min ⁻¹	1047 min ⁻¹
<i>Hourly and specific consumption</i>		39.15 l/h	242 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	147.4 kW	2006 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		40.91 l/h	233 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	914.0 Nm	1600 min ⁻¹	47.9 %
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Drawbar Test*Front tyres, Rear tyres*

420/90 R 30 480/80 R 46

Test with tractorunballasted ballasted*Total Mass*

9675 kg 11236 kg

Maximum drawbar pull

85.0 kN 102.3 kN

at speed of

4.47 km/h 3.11 km/h

Maximum power

137.6 kW 137.9 kW

at speed of

8.08 km/h 8.19 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power (63 cc pump)*Flow rate, Pressure, Power (couplers: 1 pair)* 149.5 l/min 14.5 MPa 36.1 kW*Flow rate, Pressure, Power (couplers: 2 pairs or +)* 172.6 l/min 17.1 MPa 49.1 kWMaximum lifting force*at the hitch points, at frame (Cat. 3, 2xØ 100 mm cylinders)* 69.3 kN 68.2 kN