



OECD approval number

2/1 936

Restricted Code

OECD approval date

03/11/2000

Make

John Deere

Model

8410

Type

4 WD

Powershift - MFWD - 40 km/h

Manufacturer

John Deere Waterloo Works

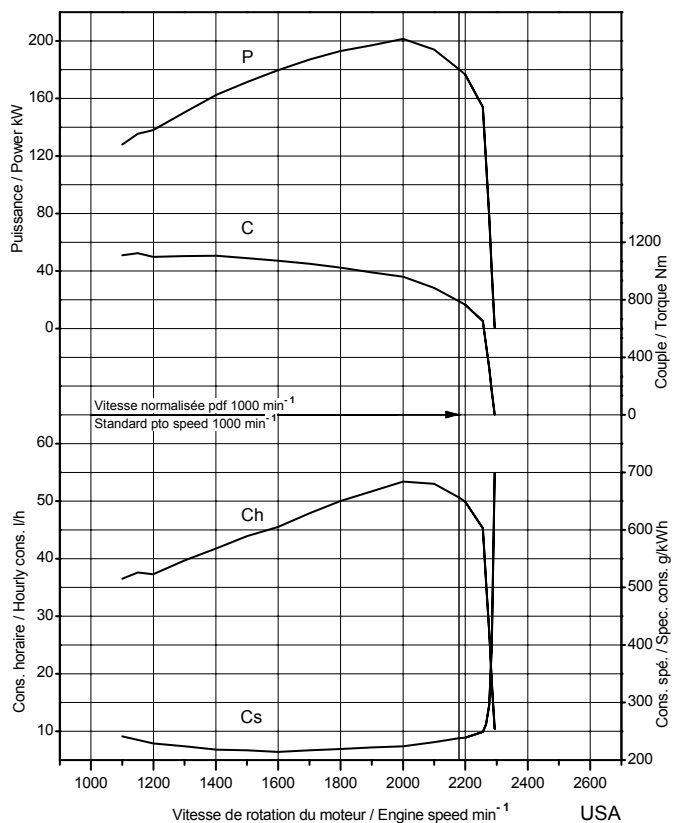
Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

John Deere 8410

4 RM/WD

OCDE/OECD 2/1936



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	John Deere	6081HRW17
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8134 cm <sup>3</sup>	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 2.18	to 37.08 km/h
<u>Standard Power take-off speed</u>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		1009 min <sup>-1</sup>
<i>Diameter of the shaft</i>		44.5 mm
<i>Number of splines</i>		20

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	201.3 kW	2000 min <sup>-1</sup>	917 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		53.69 l/h	226 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	176.6 kW	2200 min <sup>-1</sup>	1009 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		49.94 l/h	239 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	176.6 kW	2200 min <sup>-1</sup>	1009 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		49.94 l/h	239 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1124.0 Nm	1150 min <sup>-1</sup>	46.7 %
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	600/65 - 28	710/70 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	9271 kg	
<i>Maximum drawbar pull</i>	90.4 kN	Not
<i>at speed of</i>	5.61 km/h	required
<i>Maximum power</i>	173.7 kW	in
<i>at speed of</i>	9.93 km/h	Code 2

**Power Lift and Hydraulic Performance Test**

<i>Hydraulic system</i>		Closed centre
<i>Maximum lifting force at hitch points, at frame</i>	60.1 kN	59.3 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	125.7 l/min	17.6 MPa 36.8 kW