

OECD approval number

2/1 780

Restricted Code

OECD approval date

22/09/1998

Make

John Deere

Model

8100T

Type

Rubber tracklaying tractor

Powershift - 30 km/h

Manufacturer

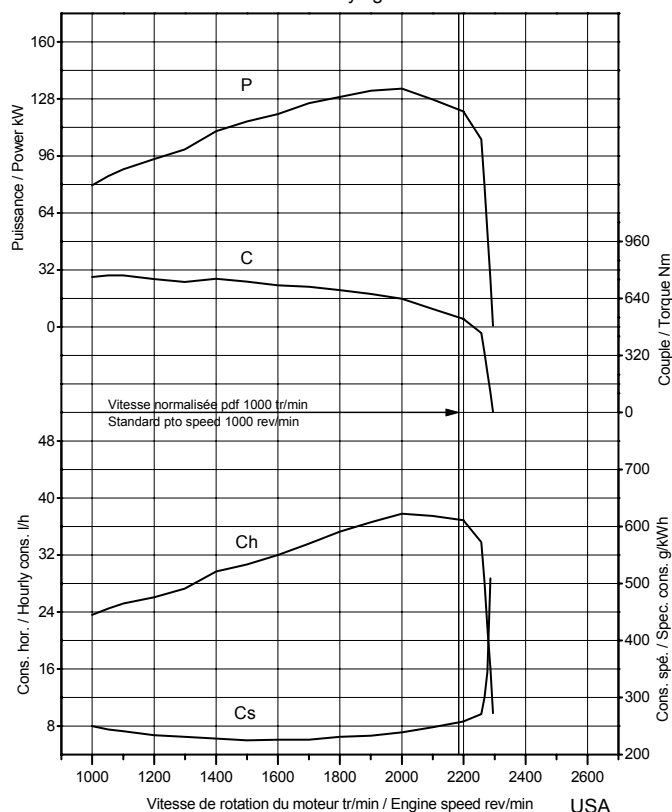
John Deere Tractor Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

John Deere 8100T

Chenilles caoutchouc / Rubber Tracklaying Trac. OCDE/OECD 2/1780



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6081HRW10
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8132 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 1.87	to 29.13 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>		1009 min ⁻¹
<i>Diameter of the shaft</i>		44.5 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>	133.3 kW	2001 min ⁻¹	916 min ⁻¹
<i>Hourly and specific consumption</i>		37.69 l/h	239 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	120.9 kW	2200 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		37.02 l/h	259 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	120.9 kW	2200 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		37.02 l/h	259 g/kWh

Torque rise

		46.7 %
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Maximum torque, Engine speed corresponding

770.0 Nm	1051 min ⁻¹
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Drawbar Test*Track length and track width*

8230 mm	406 mm
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

11100 kg

Maximum drawbar pull

106.9 kN	Not
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at speed of

2.65 km/h	required
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Maximum power

113.4 kW	in
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at speed of

5.91 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	111.3 l/min	17.7 MPa	32.9 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		56.7 kN	55.8 kN
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