



OECD approval number

2/2 265

Restricted Code

OECD approval date

04/08/2005

Make

John Deere

Model

9620T

Type

Rubber tracklaying tractor

34 km/h

Manufacturer

John Deere Tractor Works

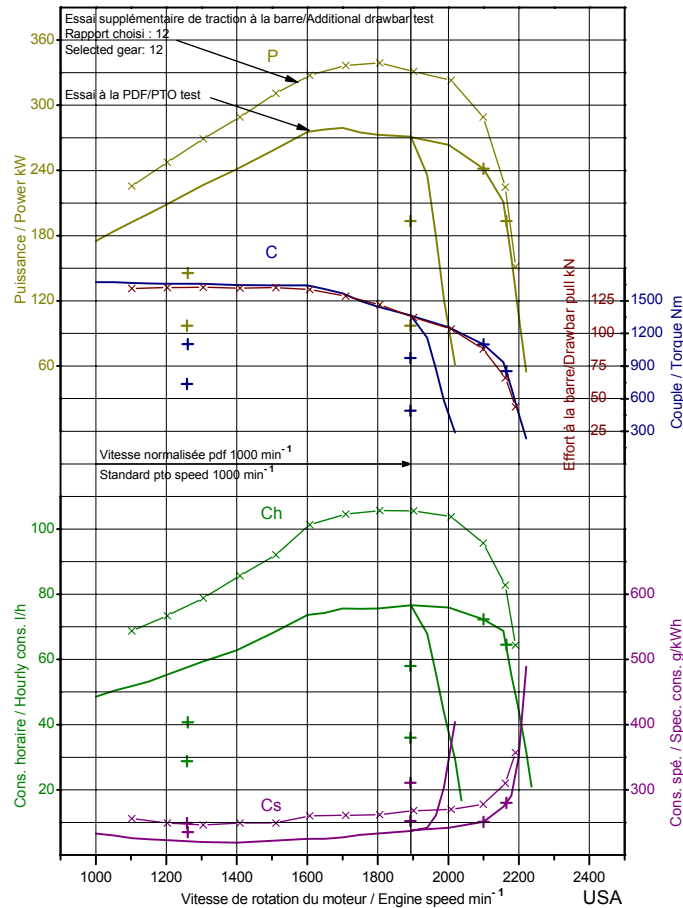
Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

John Deere 9620T

Tracteur à chenilles caoutchouc/Rubber tracklaying tractor

OCDE/OECD 2/2265



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6125HRW18
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	12536 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>		18 6
<i>Speed at rated engine speed</i>		from 3.43 to 34.02 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>		1108 min ⁻¹
<i>Diameter of the shaft</i>		45 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>	279.2 kW	1700 min ⁻¹	897 min ⁻¹
<i>Hourly and specific consumption</i>		75.58 l/h	227 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	241.7 kW	2100 min ⁻¹	1108 min ⁻¹
<i>Hourly and specific consumption</i>		72.46 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	271.1 kW	1894 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		76.55 l/h	237 g/kWh

Torque rise

<i>Maximum torque. Engine speed corresponding</i>	1672.0 Nm	1051 min ⁻¹	52.1 %
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Drawbar Test

<i>Track length and track width</i>	2819 mm	915 mm
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	19681 kg	22599 kg
<i>Maximum drawbar pull</i>	180.5 kN	217.9 kN
<i>at speed of</i>	4.10 km/h	3.06 km/h
<i>Maximum power</i>	338.9 kW	339.2 kW
<i>at speed of</i>	9.99 km/h	10.06 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	112.0 l/min	15.3 MPa	28.6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	185.5 l/min	15.6 MPa	48.1 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame (Cat. 3, 2 cylinders)</i>		62.5 kN	60.5 kN
<i>at the hitch points, at frame (Cat. 4, 2 cylinders)</i>		70.3 kN	66.4 kN

