



OECD approval number

2/2 371

Restricted Code

OECD approval date

14/05/2007

Make

John Deere

Model

8430T

Type

Rubber tracklaying tractor

Power Shift Transmission (PST) - 30 km/h

Manufacturer

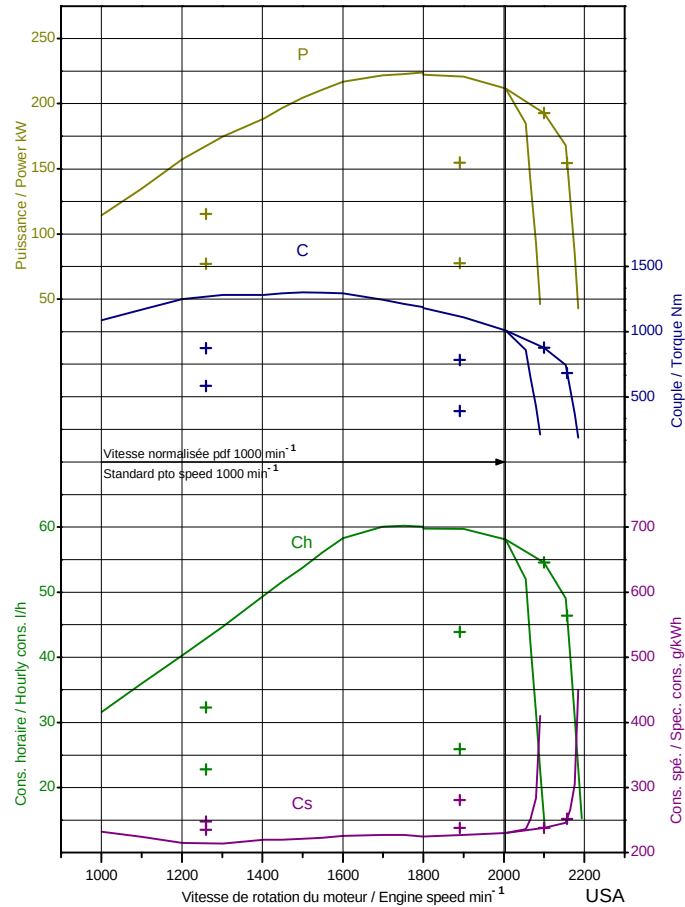
John Deere Tractor Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

John Deere 8430T

Tracteur à chenilles caoutchouc/Rubber tracklaying tractor OCDE/OECD 2/2371



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6090HRW04
<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 1.47	to 30.43 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>	222.4 kW	1800 min ⁻¹	899 min ⁻¹
<i>Hourly and specific consumption</i>		59.77 l/h	225 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	192.8 kW	2100 min ⁻¹	1048 min ⁻¹
<i>Hourly and specific consumption</i>		54.58 l/h	238 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	211.7 kW	2004 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		58.07 l/h	230 g/kWh

Torque rise

		48.5 %
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Maximum torque, Engine speed corresponding

1302.0 Nm	1500 min ⁻¹
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Drawbar Test

<i>Track length and track width</i>	- mm	762 mm
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Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
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<i>Total Mass</i>	12984 kg	14213 kg
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<i>Maximum drawbar pull</i>	125.2 kN	143.2 kN
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<i>at speed of</i>	4.00 km/h	3.49 km/h
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<i>Maximum power</i>	194.3 kW	194.5 kW
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<i>at speed of</i>	9.16 km/h	9.22 km/h
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>	Closed centre		
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	124.5 l/min	14.6 MPa	30.3 kW
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<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	124.9 l/min	19.0 MPa	39.5 kW
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Maximum lifting force

<i>at the hitch points, at frame</i>	65.6 kN	72.3 kN
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