



OECD approval number

2/1 751

Restricted Code

OECD approval date

28/04/1998

Make

John Deere

Model

7410

Type

4 WD

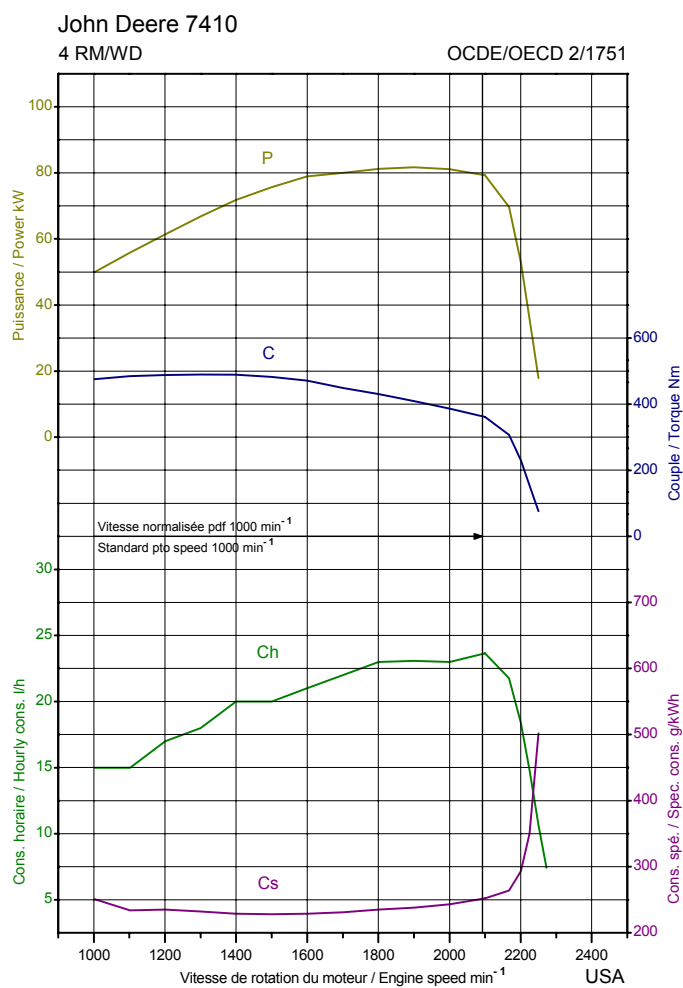
MFWD - PowrQuad - 30 km/h

Manufacturer

John Deere Waterloo Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068TRW51
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.40	to 29.71 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>	545 min ⁻¹	1003 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	81.7 kW	1900 min ⁻¹	906 min ⁻¹
<i>Hourly and specific consumption</i>		23.07 l/h	238 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	79.3 kW	2100 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		23.64 l/h	252 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	79.3 kW	2100 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		23.64 l/h	252 g/kWh

Torque rise

		35.7 %	
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<u>Maximum torque, Engine speed corresponding</u>	490.0 Nm	1300 min ⁻¹	
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 28	18.4 R 38
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<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	5830 kg	
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<i>Maximum drawbar pull</i>	60.0 kN	Not
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<i>at speed of</i>	3.81 km/h	required
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<i>Maximum power</i>	74.0 kW	in
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<i>at speed of</i>	6.59 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	95.0 l/min	17.6 MPa	27.8 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	46.5 kN	30.5 kN
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