



**OECD approval number**

**2/1 959**

**OECD approval date**

**Restricted Code**

**19/06/2001**

**Make**

**John Deere**

**Model**

**7510**

**Type**

**4 WD**

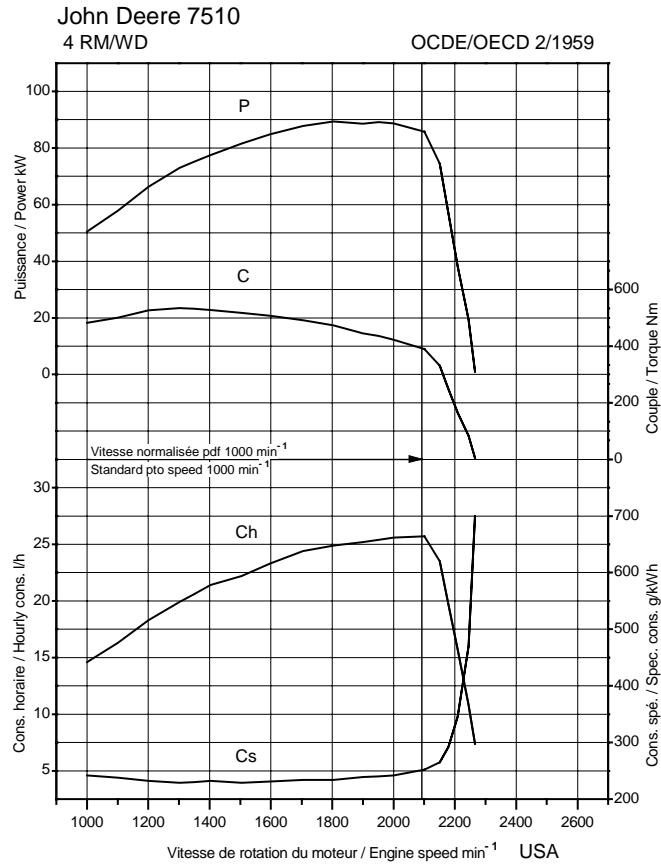
PowrQuad - MFWD - 16 speeds - 30 km/h

*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	6068TRW70	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	6788 cm <sup>3</sup>	Liquid	
<i>Gear box</i>		Mechanical synchronized	
<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<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		545 min <sup>-1</sup>	1003 min <sup>-1</sup>
<i>Diameter of the shaft</i>		35 mm	35 mm
<i>Number of splines</i>		6	21

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

<i>Power, Engine and Power take-off speed</i>	88.6 kW	1901 min <sup>-1</sup>	908 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		25.16 l/h	239 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	85.8 kW	2101 min <sup>-1</sup>	1003 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		25.75 l/h	252 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	85.8 kW	2101 min <sup>-1</sup>	1003 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		25.75 l/h	252 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		535.0 Nm	1302 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>		14.9 - 28	18.4 - 38
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		6028 kg	
<i>Maximum drawbar pull</i>		61.5 kN	<i>Not</i>
<i>at speed of</i>		3.89 km/h	<i>required</i>
<i>Maximum power</i>		79.1 kW	<i>in</i>
<i>at speed of</i>		8.07 km/h	<i>Code 2</i>

**Power Lift and Hydraulic Performance Test**

<i>Hydraulic system</i>			Closed centre
<i>Maximum lifting force at hitch points, at frame</i>		46.5 kN	30.5 kN
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	92.0 l/min	17.9 MPa	27.4 kW