



OECD approval number

1 701

Restricted Code

OECD approval date

04/11/1997

Make

John Deere

Model

7610 P

Type

4 WD

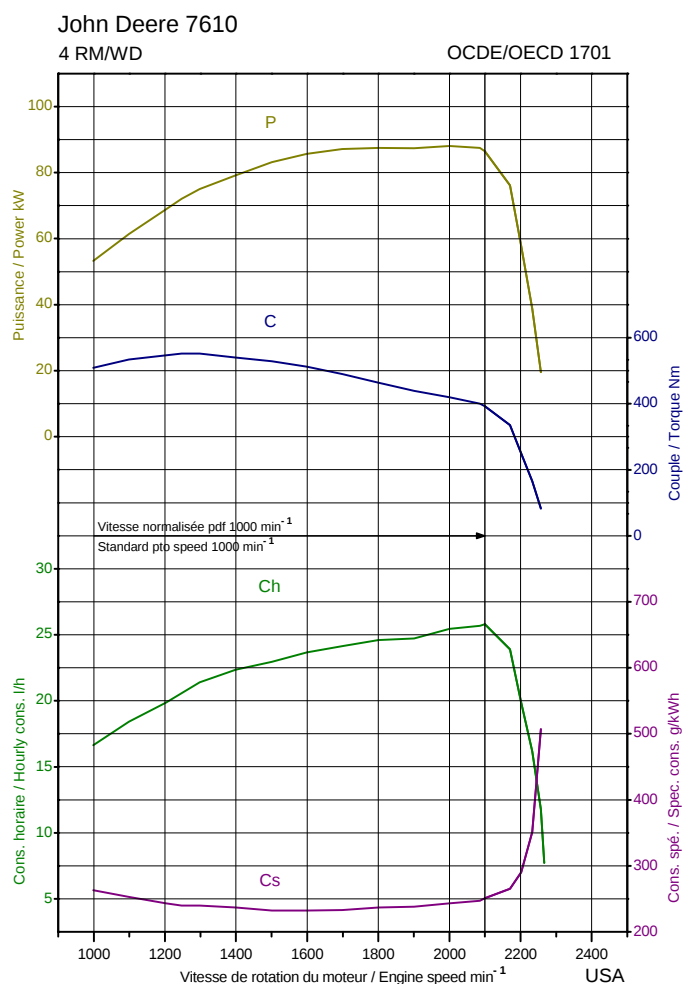
MFWD - Powershift - 40 km/h

Manufacturer

John Deere Tractor Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068TRW52
<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 powershift
<i>Number of forward and reverse speeds</i>	19	7
<i>Speed at rated engine speed</i>	from 1.51	to 36.75 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>	547 min ⁻¹	1007 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>	87.5 kW	1801 min ⁻¹	863 min ⁻¹
<i>Hourly and specific consumption</i>		24.66 l/h	237 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	86.5 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		25.82 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	86.5 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		25.82 l/h	251 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		552.0 Nm	1247 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	13.6 R 28	18.4 R 38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6713 kg	
<i>Maximum drawbar pull</i>	64.4 kN	Not
<i>at speed of</i>	3.39 km/h	required
<i>Maximum power</i>	72.7 kW	in
<i>at speed of</i>	7.50 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power</i>	93.1 l/min	17.5 MPa	27.2 kW
<i>Maximum lifting force</i>			
<i>at hitch points, at frame</i>		49.4 kN	45.2 kN

