



OECD approval number

1 710

OECD approval date

Restricted Code

26/11/1997

Make

John Deere

Model

7710

Type

4 WD

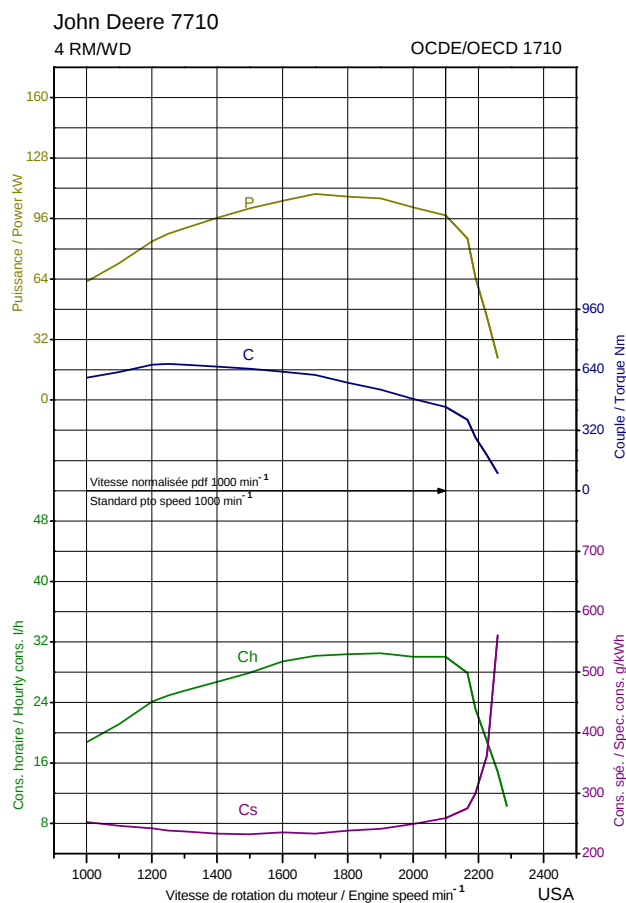
MFWD - Powershift - 40 km/h

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	6081TRW02
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8132 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 1.60	to 38.99 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>	656 min ⁻¹	1064 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>	109.7 kW	1700 min ⁻¹	815 min ⁻¹
<i>Hourly and specific consumption</i>		30.23 l/h	233 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	97.6 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		30.05 l/h	259 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	97.6 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		30.05 l/h	259 g/kWh

Torque rise

51.4 %

Maximum torque, Engine speed corresponding672.0 Nm 1250 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

14.9 R 30 18.4 R 42

Test with tractorunballasted ballasted*Total Mass*

7007 kg

Maximum drawbar pull

70.0 kN

Not

at speed of

3.73 km/h

required

Maximum power

95.4 kW

in

at speed of

7.40 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power*

95.8 l/min

17.4 MPa

27.8 kW

Maximum lifting force*at hitch points, at frame*

49.4 kN

45.2 kN

