



OECD approval number

2/1 750

Restricted Code

OECD approval date

29/04/1998

Make

John Deere

Model

7410

Type

4 WD

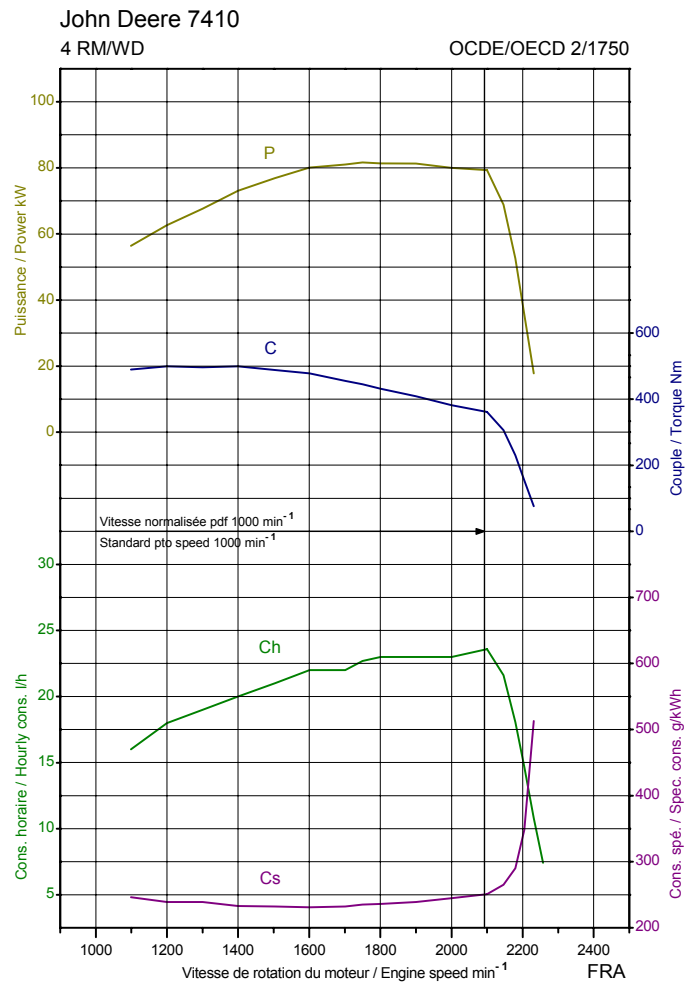
MFWD - SyncroPlus - 30 km/h

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 synchronized
<i>Number of forward and reverse speeds</i>		12 4
<i>Speed at rated engine speed</i>		from 2.30 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>	81.6 kW	1750 min ⁻¹	836 min ⁻¹
<i>Hourly and specific consumption</i>		22.70 l/h	235 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	1003 min ⁻¹
<i>Hourly and specific consumption</i>		23.59 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	79.3 kW	2100 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		23.59 l/h	251 g/kWh

Torque rise

			38.2 %
<u>Maximum torque, Engine speed corresponding</u>		499.0 Nm	1400 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

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

Total Mass

	5778 kg	
<i>Maximum drawbar pull</i>	59.1 kN	Not

at speed of

	3.84 km/h	required
<i>Maximum power</i>	73.2 kW	in

at speed of

	7.49 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

			Closed centre
<u>At maximum hydraulic power</u>			

<i>Flow rate, Pressure, Power</i>	94.6 l/min	17.8 MPa	28.1 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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