



**OECD approval number**

**2/2 082**

**Restricted Code**

**17/09/03**

**OECD approval date**

**Make**

**John Deere**

**Model**

**7520 IVT**

**Type**

**4 WD**

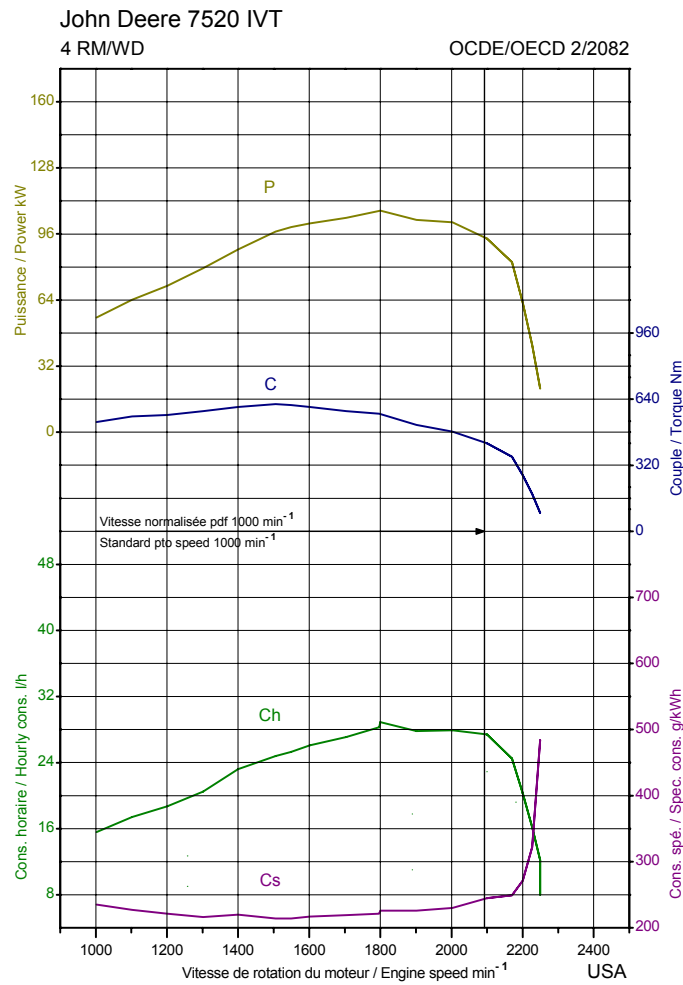
**MFWD**

*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	6068HRW01	
<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>		Hydrostatic and mechanical	
<i>Number of forward and reverse speeds</i>		Not significant	
<i>Speed at rated engine speed</i>		from 0.00	to 40.00 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>		568 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>	107.4 kW	1800 min <sup>-1</sup>	860 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		28.90 l/h	226 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	93.8 kW	2100 min <sup>-1</sup>	1003 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27.38 l/h	245 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	93.8 kW	2100 min <sup>-1</sup>	1003 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27.38 l/h	245 g/kWh

Torque rise

<u>Maximum torque. Engine speed corresponding</u>		616.0 Nm	1505 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	380/85 R 30	480/80 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6203 kg	7546 kg
<i>Maximum drawbar pull</i>	60.7 kN	71.5 kN
<i>at speed of</i>	3.33 km/h	3.35 km/h
<i>Maximum power</i>	92.9 kW	93.0 kW
<i>at speed of</i>	8.63 km/h	7.84 km/h

**Hydraulic Performance and Power Lift Test**

*Hydraulic system* Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	113.6 l/min	16.9 MPa	32.0 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	111.7 l/min	19.0 MPa	35.3 kW

Maximum lifting force

<i>at hitch points, at frame (Cat. 2, 2 x Ø 80 mm cylinders)</i>	53.8 kN	35.2 kN
<i>at hitch points, at frame (Cat. 2, 2 x Ø 85 mm cylinders)</i>	60.7 kN	39.9 kN
<i>at hitch points, at frame (Cat. 3N, 2 x Ø 80 mm cylinders)</i>	53.4 kN	35.4 kN
<i>at hitch points, at frame (Cat. 3N, 2 x Ø 85 mm cylinders)</i>	60.6 kN	39.9 kN

