



OECD approval number

2/2 058

Restricted Code

OECD approval date

17/04/2003

Make

John Deere

Model

6403

Type

4 WD

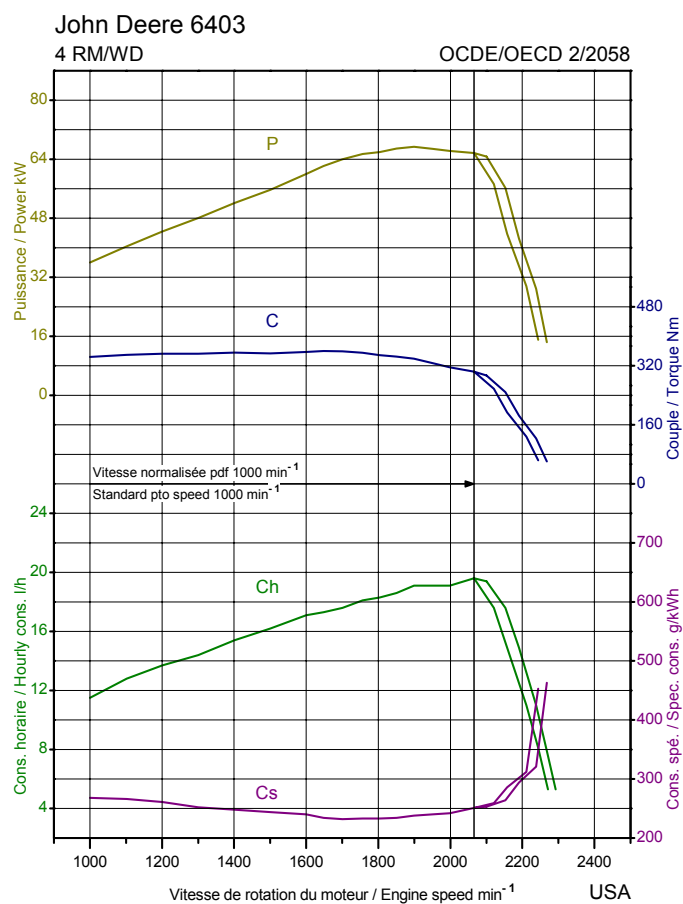
MFWD

Manufacturer

Industrius John Deere

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TP060
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	9	3
<i>Speed at rated engine speed</i>	from 2.88	to 28.86 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>	544 min ⁻¹	1016 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>	66.7 kW	1900 min ⁻¹	919 min ⁻¹
<i>Hourly and specific consumption</i>		19.13 l/h	241 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	64.7 kW	2100 min ⁻¹	1016 min ⁻¹
<i>Hourly and specific consumption</i>		19.44 l/h	253 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	65.7 kW	2066 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.55 l/h	251 g/kWh

Torque rise

		22.4 %	
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<u>Maximum torque, Engine speed corresponding</u>	360.0 Nm	1648 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	13.6 - 24	18.4 - 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3973 kg	5148 kg
<i>Maximum drawbar pull</i>	34.0 kN	41.3 kN
<i>at speed of</i>	5.37 km/h	4.31 km/h
<i>Maximum power</i>	56.1 kW	55.3 kW
<i>at speed of</i>	8.76 km/h	6.98 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	47.3 l/min	17.6 MPa	13.8 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		31.2 kN	21.7 kN