



OECD approval number

2/1 880

Restricted Code

OECD approval date

28/01/2000

Make

John Deere

Model

1046

Type

4 WD

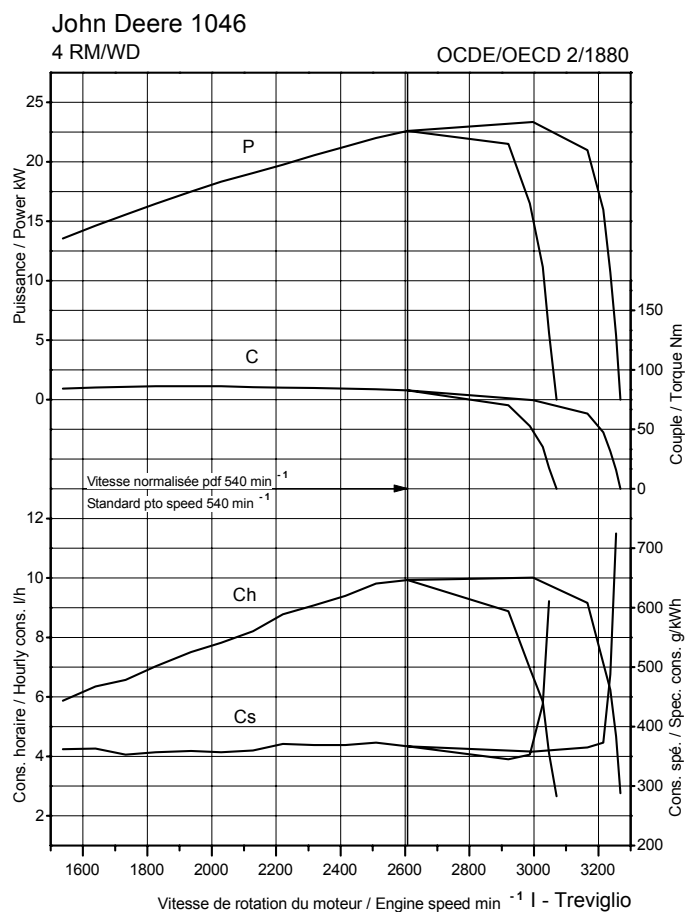
FH1046 - 12 forward and 4 reverse speeds - 30 km/h

Manufacturer

Goldoni S.p.A.

Testing station:

ISMA, Treviglio, Italy



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Lombardini	LDW 1503
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	1551 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	4
<i>Speed at rated engine speed</i>	from 0.75	to 29.12 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>	620 min ⁻¹	1145 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	23.4 kW	2997 min ⁻¹	620 min ⁻¹
<i>Hourly and specific consumption</i>		10.01 l/h	358 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	23.4 kW	2997 min ⁻¹	620 min ⁻¹
<i>Hourly and specific consumption</i>		10.01 l/h	358 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	22.6 kW	2608 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		10.02 l/h	371 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		86.3 Nm	15.9 %
			1936 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	7.00 - 12	12.4 - 20
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1175 kg	
<i>Maximum drawbar pull</i>	11.4 kN	Not
<i>at speed of</i>	2.48 km/h	required
<i>Maximum power</i>	20.8 kW	in
<i>at speed of</i>	13.98 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	6.4 kN	5.0 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	17.2 l/min	16.0 MPa
		4.6 kW