



OECD approval number

2/1 807

OECD approval date

Restricted Code

29/01/1999

Make

John Deere

Model

6310

Type

4 WD

Manufacturer

NA - PowrQuad

Testing station:

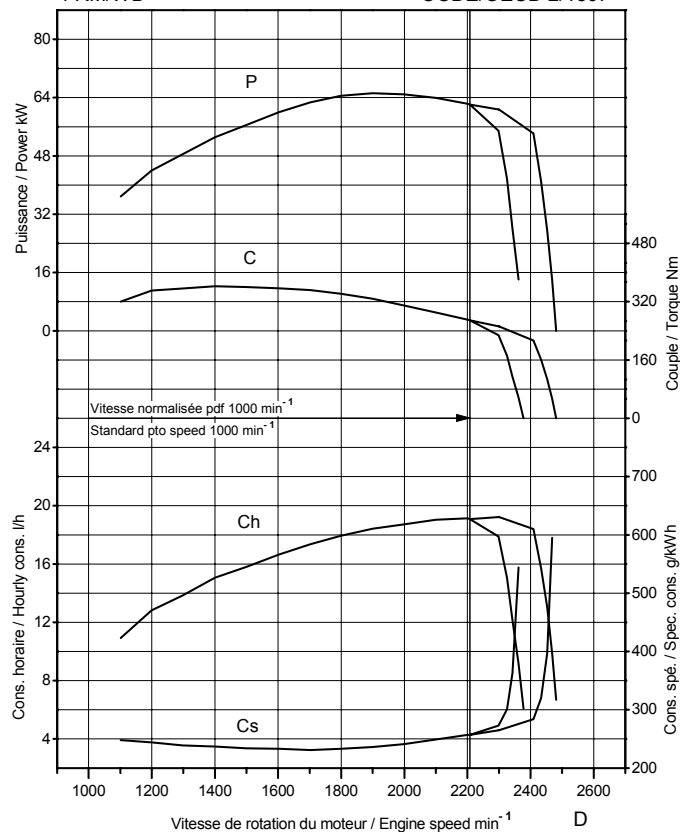
Deere & Company

DLG, Groß-Umstadt, Germany

John Deere 6310 NA Powrquad

4 RM/WD

OCDE/OECD 2/1807



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TL055
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.46	to 30.59 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>	580 min ⁻¹	1042 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>	65.2 kW	1900 min ⁻¹	861 min ⁻¹
<i>Hourly and specific consumption</i>		18.42 l/h	236 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	60.7 kW	2300 min ⁻¹	1042 min ⁻¹
<i>Hourly and specific consumption</i>		19.22 l/h	265 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	62.1 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.09 l/h	257 g/kWh

Torque rise

		14.0 %
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Maximum torque, Engine speed corresponding

362.0 Nm	1400 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

13.6 - 28	18.4 - 38
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

4415 kg

Maximum drawbar pull

41.9 kN

at speed of

4.30 km/h	<i>Not required</i>
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Maximum power

53.3 kW

at speed of

9.02 km/h	<i>in Code 2</i>
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	93.0 l/min	14.0 MPa	21.7 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		23.9 kN	21.4 kN
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