



OECD approval number

2/1 838

Restricted Code

OECD approval date

03/08/1999

Make

John Deere

Model

6310

Type

4 WD

NA - SyncroPlus - M 6310 A

Manufacturer

Deere & Company

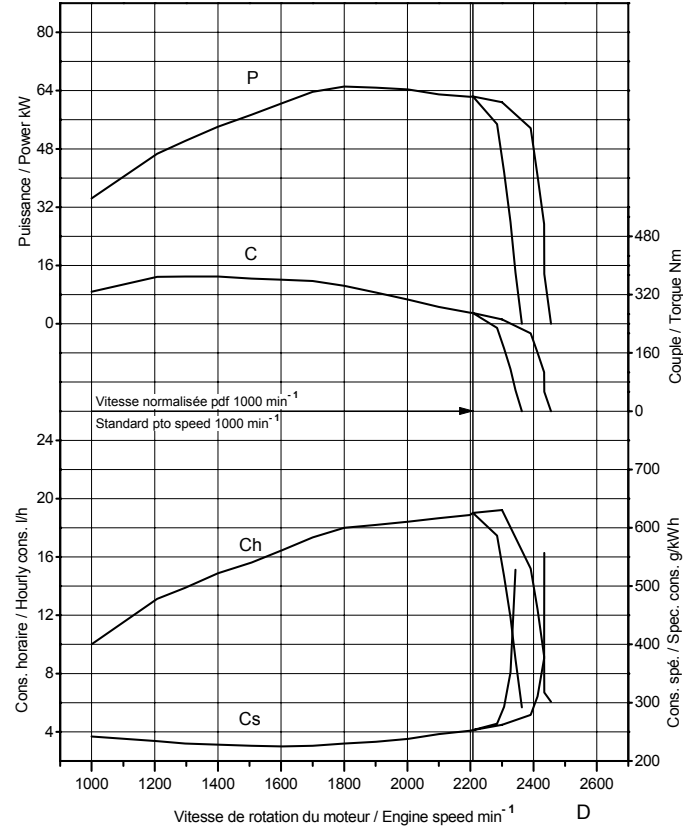
Testing station:

DLG, Groß-Umstadt, Germany

John Deere 6310 NA Syncroplus

4 RM/WD

OCDE/OECD 2/1838



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 synchronized	
<i>Number of forward and reverse speeds</i>	12	4
<i>Speed at rated engine speed</i>	from 2.35	to 30.49 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>	579 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>	65.1 kW	1800 min ⁻¹	815 min ⁻¹
<i>Hourly and specific consumption</i>		18.01 l/h	230 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	60.8 kW	2300 min ⁻¹	1042 min ⁻¹
<i>Hourly and specific consumption</i>		19.22 l/h	262 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	62.4 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.02 l/h	253 g/kWh

Torque rise

		46.8 %
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Maximum torque, Engine speed corresponding

370.0 Nm	1296 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

4355 kg

Maximum drawbar pull

44.9 kN

at speed of

3.85 km/h	Not required
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Maximum power

51.5 kW

at speed of

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

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	102.1 l/min	15.0 MPa	25.5 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	23.6 kN	21.2 kN
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