



OECD approval number

2/2 028

Restricted Code

OECD approval date

27/11/2002

Make

John Deere

Model

6120

Type

4 WD

NA - SyncroPlus - 30 km/h

Manufacturer

Deere & Company

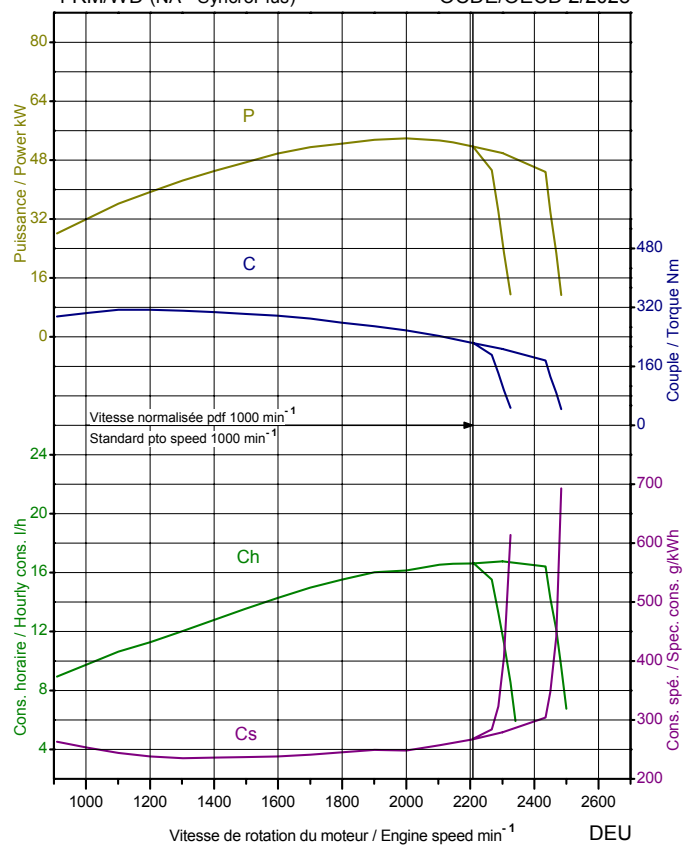
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 6120

4 RM/WD (NA - SyncroPlus)

OCDE/OECD 2/2028



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TL070
<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>	12	4
<i>Speed at rated engine speed</i>	from 2.31	to 27.72 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>	53.9 kW	2000 min ⁻¹	906 min ⁻¹
<i>Hourly and specific consumption</i>		16.15 l/h	248 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	49.9 kW	2300 min ⁻¹	1042 min ⁻¹
<i>Hourly and specific consumption</i>		16.76 l/h	279 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	51.7 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		16.69 l/h	268 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	314.0 Nm	1101 min ⁻¹	51.7 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	12.4 - 24	16.9 - 30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4240 kg	
<i>Maximum drawbar pull</i>	32.9 kN	Not
<i>at speed of</i>	4.03 km/h	required
<i>Maximum power</i>	42.1 kW	in
<i>at speed of</i>	6.61 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>			Closed centre
<i>Maximum lifting force at hitch points, at frame</i>			21.4 kN 17.8 kN
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	104.8 l/min	15.0 MPa	26.2 kW

