



OECD approval number

2/2 127

Restricted Code

OECD approval date

14/05/2004

Make

John Deere

Model

6415

Type

4 WD

NA - Power Reverser - TIER 2 - 30 km/h

Manufacturer

Deere & Company

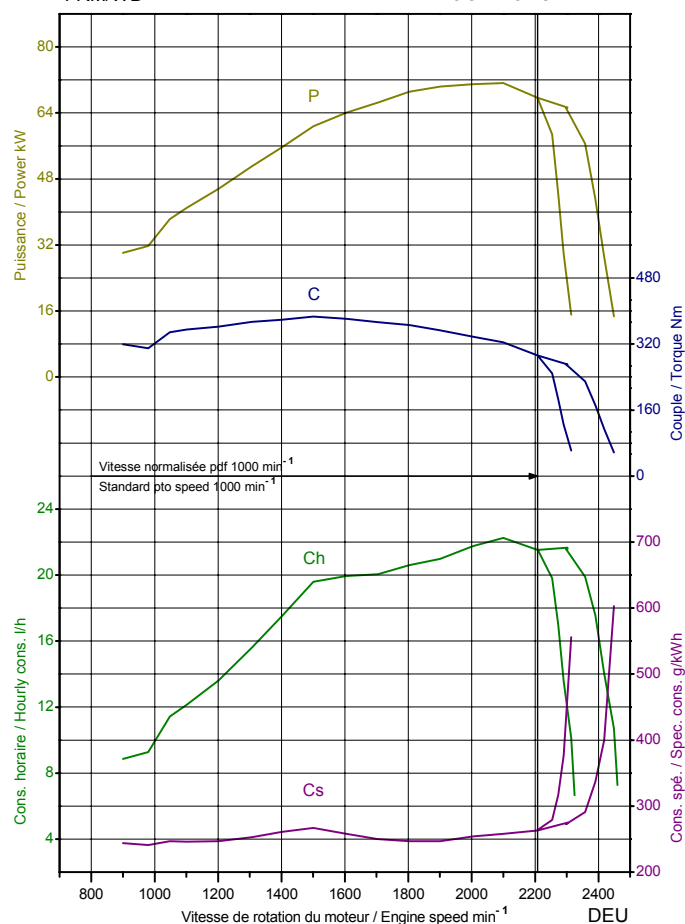
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 6415

4 RM/WD

OCDE/OECD 2/2127



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL272
<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 synchronized
<i>Number of forward and reverse speeds</i>		16 16
<i>Speed at rated engine speed</i>		from 1.96 to 30.60 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>	71.3 kW	2100 min ⁻¹	951 min ⁻¹
<i>Hourly and specific consumption</i>		22.26 l/h	258 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	65.2 kW	2298 min ⁻¹	1041 min ⁻¹
<i>Hourly and specific consumption</i>		21.57 l/h	273 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	67.6 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		21.56 l/h	264 g/kWh

Torque rise

		42.8 %
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Maximum torque, Engine speed corresponding

387.0 Nm	1501 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

13.6 - 24	18.4 - 38
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Test with tractor

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

4300 kg

Maximum drawbar pull

40.3 kN

at speed of

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

59.4 kW

at speed of

7.64 km/h	<i>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>	60.3 l/min	18.5 MPa	18.6 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		30.3 kN	25.3 kN
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