



OECD approval number  
OECD approval date  
Make  
Model  
Type

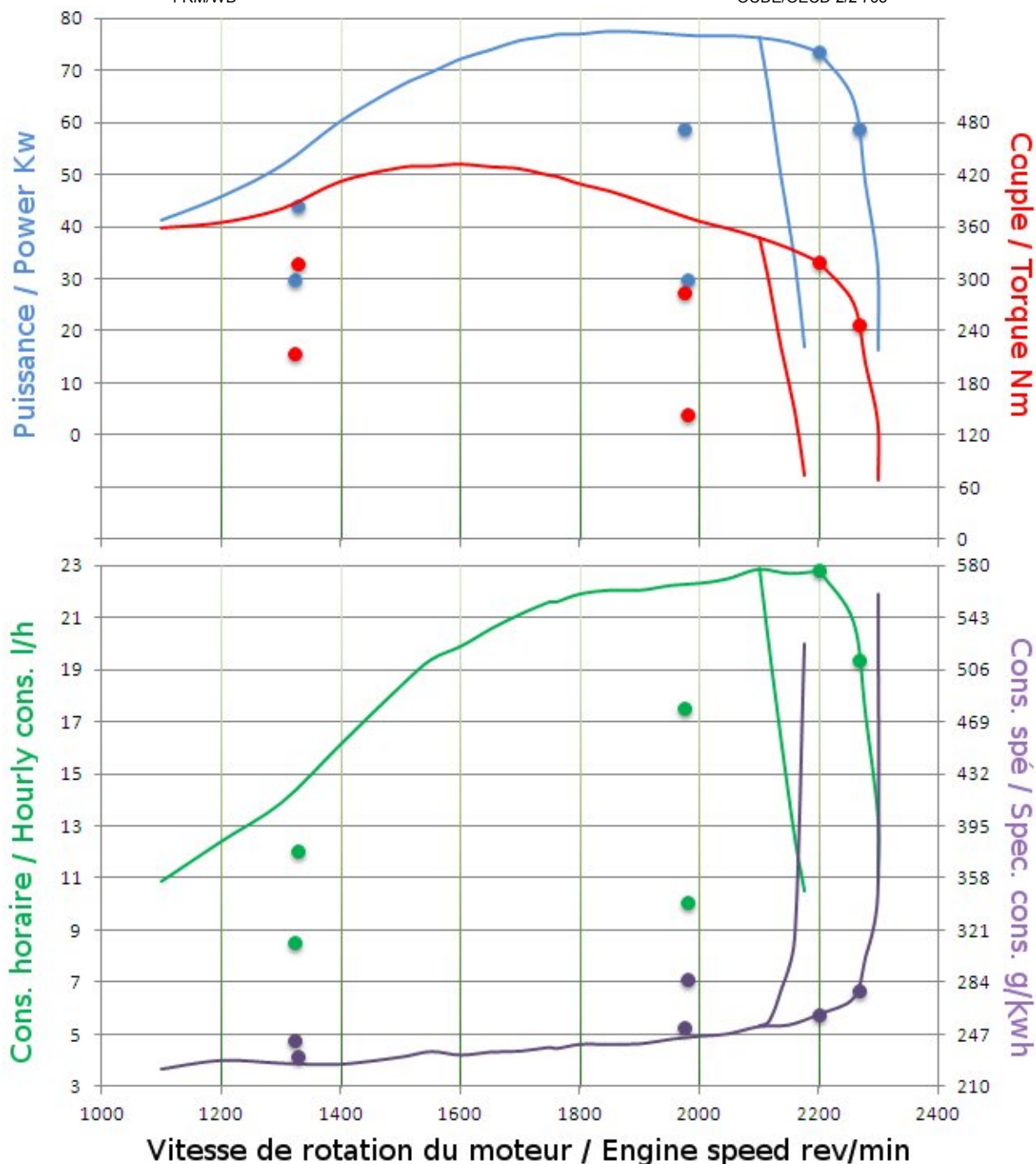
Manufacturer:  
Testing station:

2/2 763  
16/05/2013  
John Deere  
5115M  
4WD

PowerReverser - 30 km/h  
John Deere Tractor Works  
Nebraska Tractor Test Laboratory  
Lincoln, Nebraska U.S.A.

John Deere 5115M  
4 RM/WD

OCDE/OECD 2/2 763



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	John Deere	4045HLV68
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm <sup>3</sup>	Liquid
<i>Gear box</i>		PowerReverser
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 1,91	to 32,27 km/h
<i>Standard Power take-off speed</i>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	566 min <sup>-1</sup>	
<i>Diameter of the shaft</i>	35 mm	Not
<i>Number of splines</i>	6	Applicable

**Power take-off Test**One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	77,12 kW	1801 min <sup>-1</sup>	463 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		21,93 l/h	240 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	73,69 kW	2201 min <sup>-1</sup>	566 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		22,81 l/h	262 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	76,45 kW	2100 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		22,88 l/h	253 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	431,4 Nm		1602 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	12.4 R24	18.4 R30
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	4030 kg	
<i>Maximum drawbar pull</i>	39,28 kN	
<i>at speed of</i>	5,37 km/h	Not
<i>Maximum power</i>	71,03 kW	Applicable
<i>at speed of</i>	11,76 km/h	

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>			Open centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	72,6 l/min	16,40 MPa	19,8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	73,2 l/min	16,32 MPa	19,9 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		25,8 kN	22,4 kN