

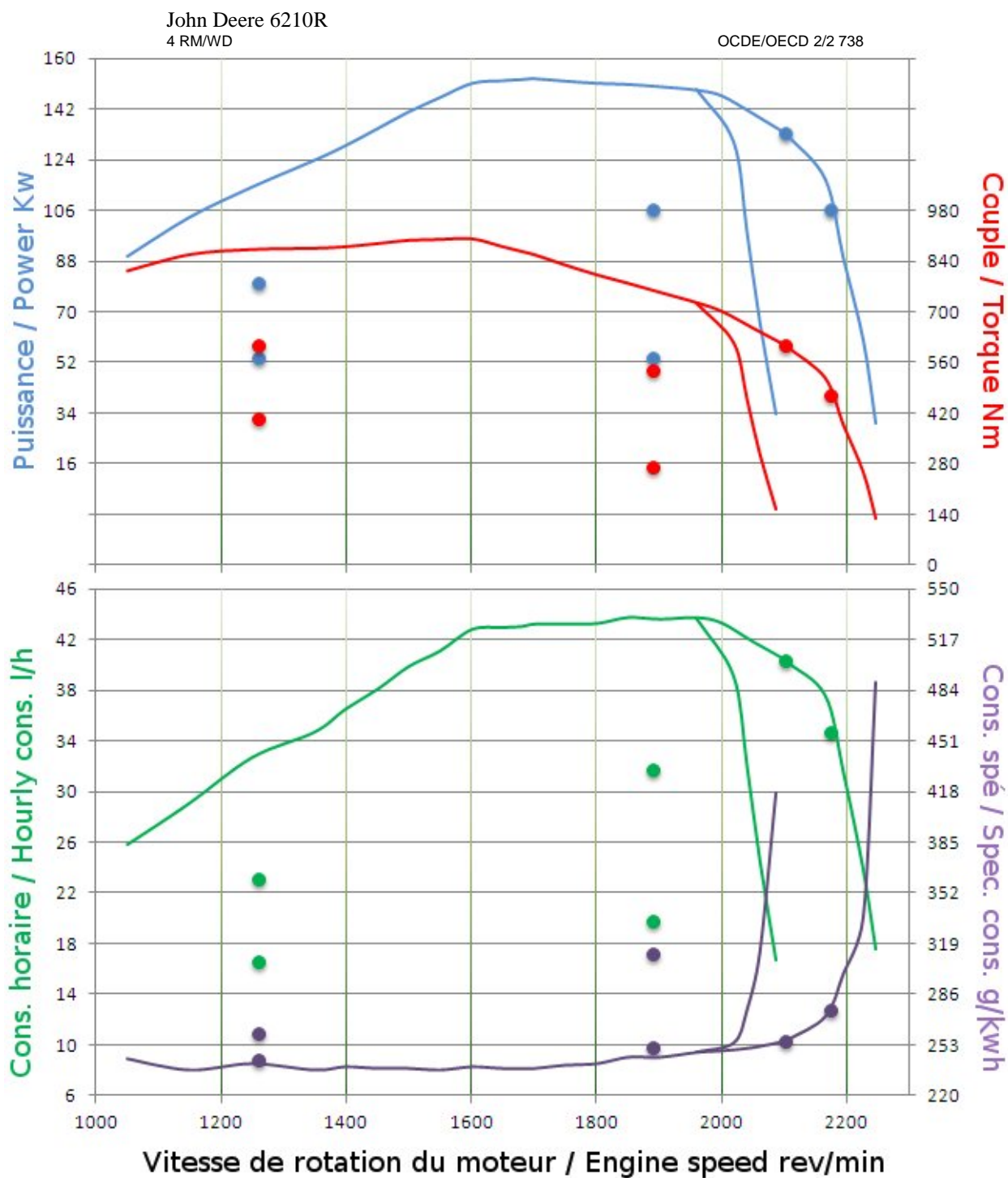


OECD approval number  
OECD approval date  
Make  
Model  
Type

Manufacturer:  
Testing station:

2/2 738  
10/01/2013  
John Deere  
6210R  
4WD

AutoQuad - 40 km/h  
John Deere Tractor Works  
Nebraska Tractor Test Laboratory  
Lincoln, Nebraska U.S.A.



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

<i>Make, Model</i>	John Deere	6068RW403
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm <sup>3</sup>	Liquid
<i>Gear box</i>		AutoQuad
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 2,80	to 42,00 km/h
<u>Standard Power take-off speed</u>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	579 min <sup>-1</sup>	1071 min <sup>-1</sup>
<i>Diameter of the shaft</i>	35 mm	45 mm
<i>Number of splines</i>	6	20

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

<i>Power, Engine and Power take-off speed</i>	153,01 kW	1701 min <sup>-1</sup>	868 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		43,20 l/h	238 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	133,57 kW	2101 min <sup>-1</sup>	1072 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		40,39 l/h	255 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	148,94 kW	1960 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		43,71 l/h	248 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>	903,2 Nm	1601 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	420/90 R30	480/80 R46
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8247 kg	10610 kg
<i>Maximum drawbar pull</i>	83,33 kN	104,16 kN
<i>at speed of</i>	4,42 km/h	3,55 km/h
<i>Maximum power</i>	145,11 kW	145,15 kW
<i>at speed of</i>	10,76 km/h	10,77 km/h

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	114,8 l/min	15,79 MPa	30,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	160,6 l/min	17,87 MPa	47,8 kW

Maximum lifting force

<i>at the hitch points, at frame</i>	61,9 kN	56,3 kN
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