



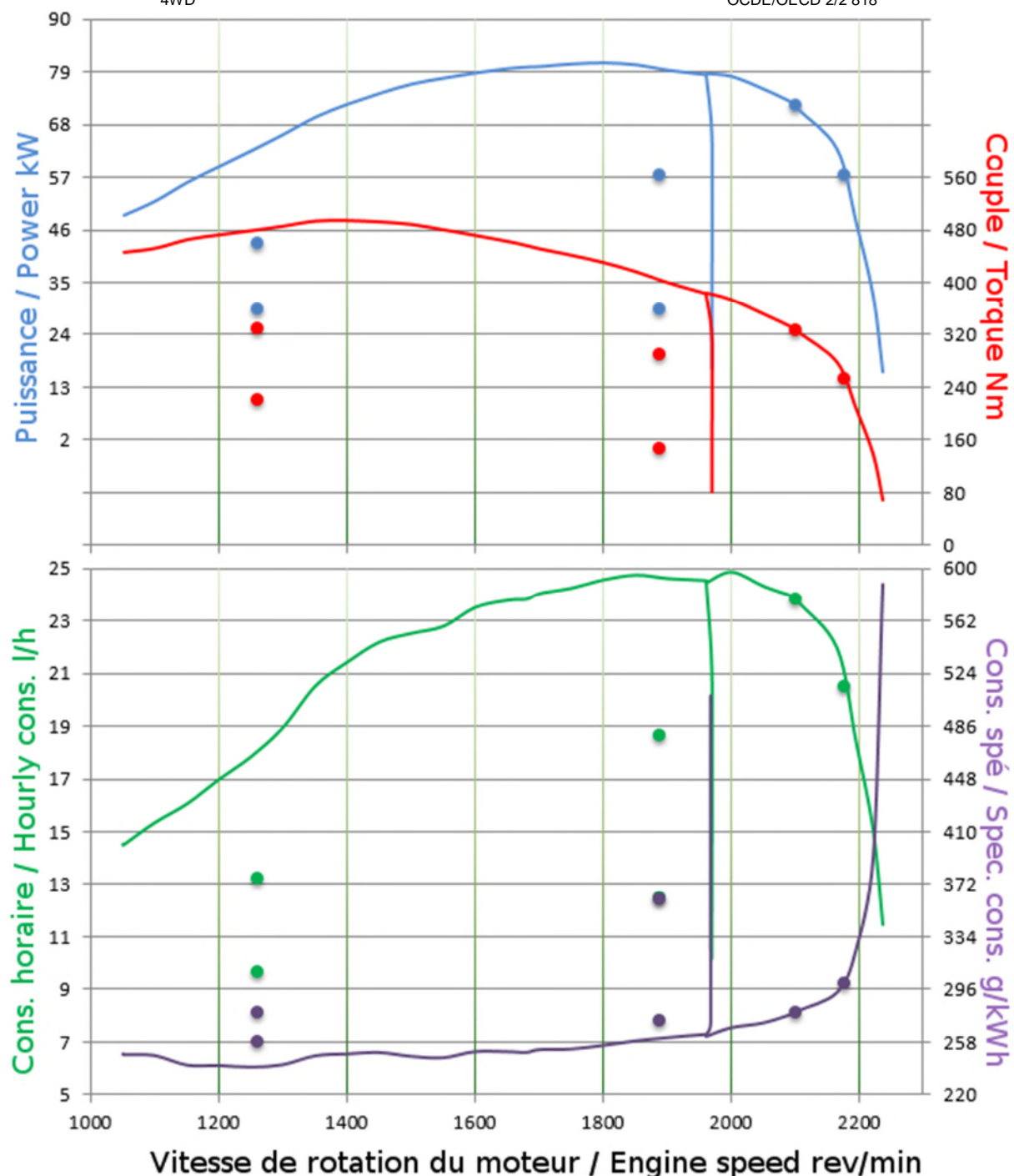
OECD approval number  
 OECD approval date  
 Make  
 Model  
 Type

2/2 818  
 26/03/2014  
 John Deere  
 6115M  
 4WD  
 PowrQuad PLUS - 40 km/h  
 John Deere Werke Mannheim  
 NTTL – Lincoln, Nebraska U.S.A.

Manufacturer:  
 Testing station:

John Deere 6115M  
 4WD

OCDE/OECD 2/2 818



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL497C
<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>		PowrQuad PLUS
<i>Number of forward and reverse speeds</i>		24
<i>Speed at rated engine speed</i>	from 1,50	to 38,02 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>	577 min <sup>-1</sup>	1071 min <sup>-1</sup>
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

## Power take-off Test

### One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	81,02 kW	1801 min <sup>-1</sup>	918 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		24,57 l/h	255 g/kWh

### Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	71,87 kW	2101 min <sup>-1</sup>	1071 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		23,83 l/h	279 g/kWh

### Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	78,52 kW	1962 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		24,54 l/h	263 g/kWh

### Torque rise

<u>Maximum torque, Engine speed corresponding</u>		493,0 Nm	1401 min <sup>-1</sup>
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## Drawbar Test

<i>Front tyres, Rear tyres</i>	380/85 R24	420/85 R38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4910 kg	
<i>Maximum drawbar pull</i>	46,90 kN	
<i>at speed of</i>	4,63 km/h	<i>Not</i>
<i>Maximum power</i>	73,85 kW	<i>Applicable</i>
<i>at speed of</i>	8,19 km/h	

## Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	84,9 l/min	18,08 MPa	25,6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	84,4 l/min	18,43 MPa	25,9 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		25,7 kN	21, 8 kN