

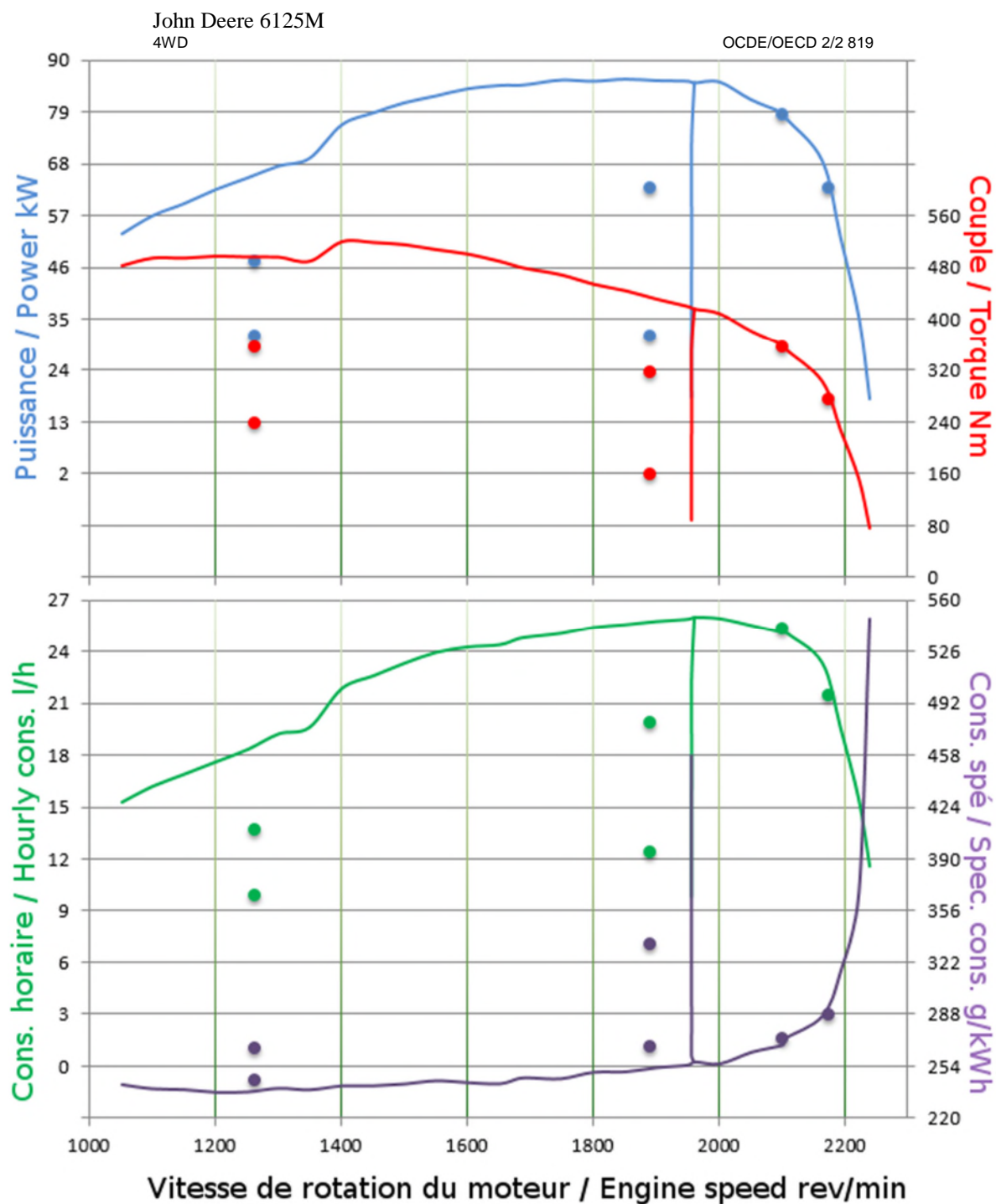


OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 819
26/03/2014
John Deere
6125M
4WD

PowrQuad PLUS - 40 km/h
John Deere Werke Mannheim
NTTL – Lincoln, Nebraska U.S.A.



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL497
<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>		PowrQuad PLUS
<i>Number of forward and reverse speeds</i>	24	24
<i>Speed at rated engine speed</i>	from 1,50	to 38,02 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	577 min ⁻¹	1071 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	85,66 kW	1801 min ⁻¹	918 min ⁻¹
<i>Hourly and specific consumption</i>		25,44 l/h	250 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	78,40 kW	2101 min ⁻¹	1071 min ⁻¹
<i>Hourly and specific consumption</i>		25,27 l/h	271 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	85, 30 kW	1962 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		26,02 l/h	257 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	521,0 Nm	1401 min ⁻¹	46,1 %
---	----------	------------------------	--------

Drawbar Test

<i>Front tyres, Rear tyres</i>	380/85 R24	420/85 R38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4962 kg	
<i>Maximum drawbar pull</i>	48,21 kN	
<i>at speed of</i>	4,90 km/h	Not
<i>Maximum power</i>	79,79 kW	Applicable
<i>at speed of</i>	12,03 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	116,1 l/min	15,43 MPa	29,9 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	113,7 l/min	19,56 MPa	37,1 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		25,7 kN	21,8 kN