

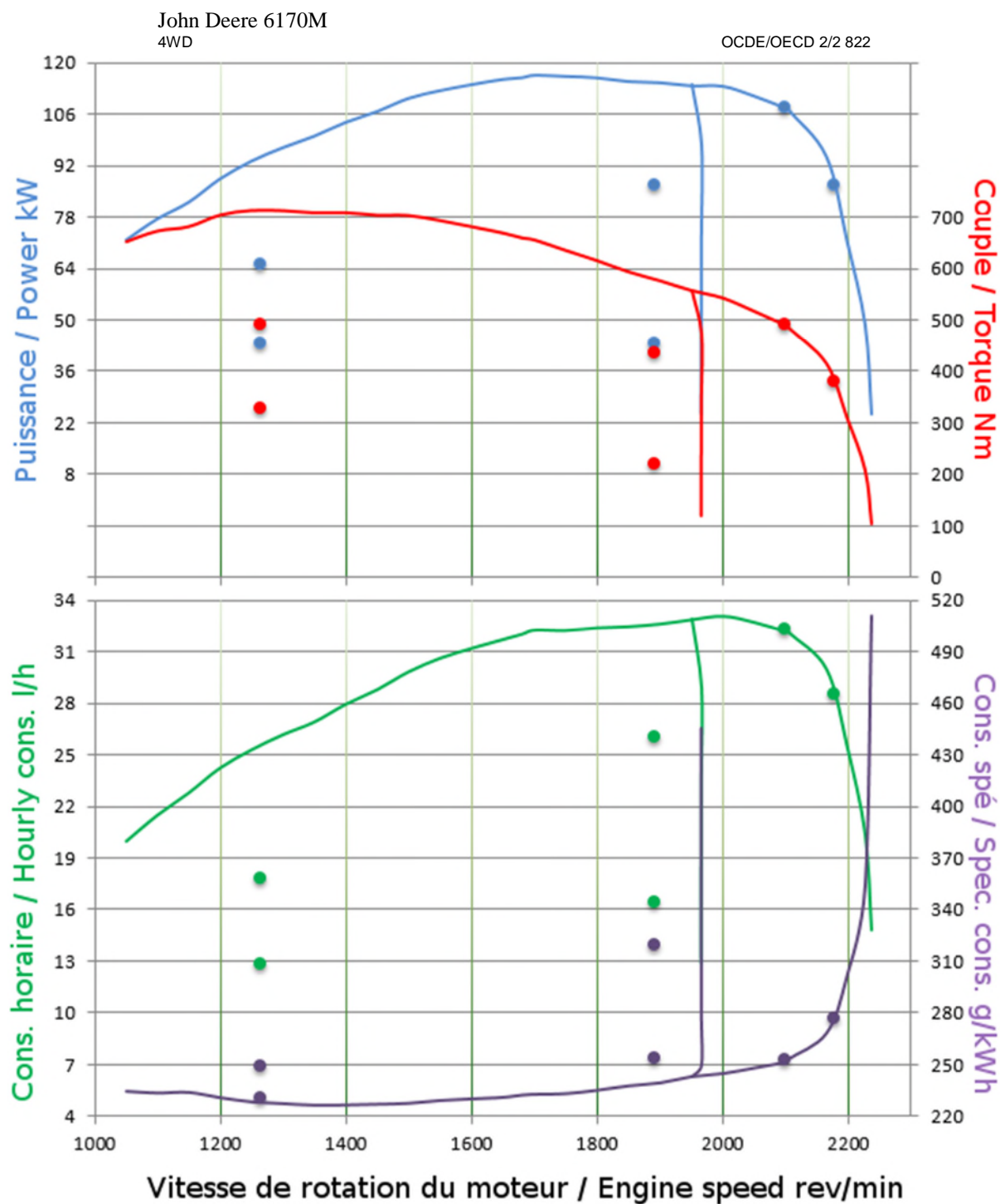


OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 822
26/03/2014
John Deere
6170M
4WD

AutoQuad 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	6068HL490
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm ³	Liquid
<i>Gear box</i>		AutoQuad PLUS
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 2,43	to 39,65 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	582 min ⁻¹	1077 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>	116,72 kW	1700 min ⁻¹	872 min ⁻¹
<i>Hourly and specific consumption</i>		32,251 l/h	233 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	107,79 kW	2100 min ⁻¹	1077 min ⁻¹
<i>Hourly and specific consumption</i>		32,29 l/h	252 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	113,85 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		32,86 l/h	243 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	713,0 Nm	1250 min ⁻¹	45,5 %
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Drawbar Test*Front tyres, Rear tyres*Test with tractor

<i>Total Mass</i>	380/85 R30	460/85 R42
<i>Maximum drawbar pull</i>	<u>unballasted</u>	<u>ballasted</u>
<i>at speed of</i>	6849 kg	
<i>Maximum power</i>	64,09 kN	
<i>at speed of</i>	4,72 km/h	Not
	106,93 kW	Applicable
	9,30 km/h	

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	114,9 l/min	15,82 MPa	30,3 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	114,6 l/min	19,27 MPa	36,8 kW

Maximum lifting force

<i>at the hitch points, at frame</i>	42,0 kN	39,7 kN
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