



OECD approval number
OECD approval date
Make
Model
Type

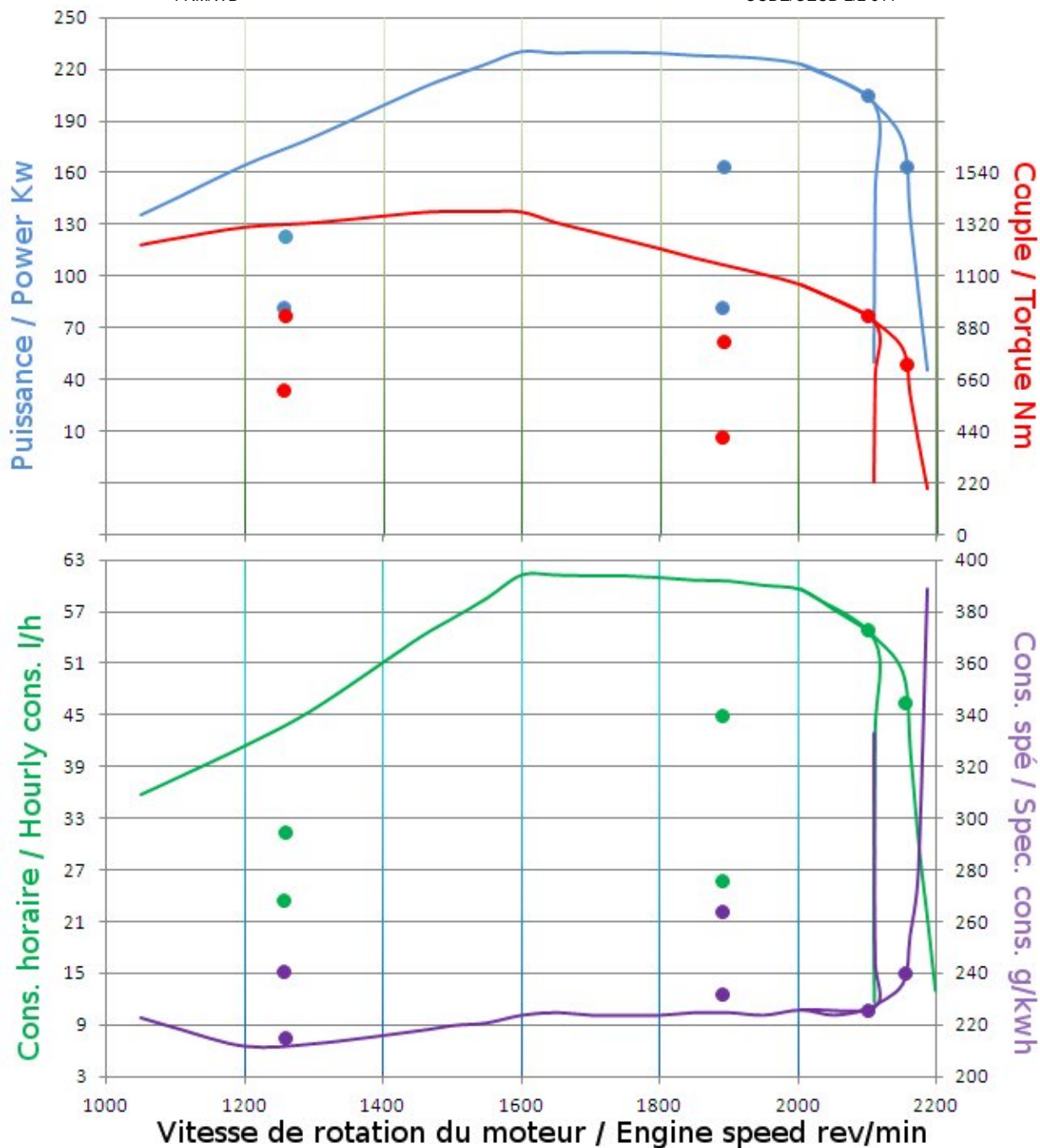
2/2 611
21/07/2011
John Deere
8320R
4WD

Manufacturer:
Testing station:

Full powershift - 42 km/h
John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

John Deere 8320R
4 RM/WD

OCDE/OECD 2/2 611



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6090HRW50
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8984 cm ³	Liquid
<i>Gear box</i>		Full powershift
<i>Number of forward and reverse speeds</i>	16	4
<i>Speed at rated engine speed</i>	from 1,88	to 39,13 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>		1050 min ⁻¹
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	229,16 kW	1650 min ⁻¹	823 min ⁻¹
<i>Hourly and specific consumption</i>		61,27 l/h	225 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	204,60 kW	2100 min ⁻¹	1048 min ⁻¹
<i>Hourly and specific consumption</i>		54,88 l/h	226 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	222,69 kW	2004 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		59,63 l/h	226 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1374 Nm		1501 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/85R34	480/80R50
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	11666 kg	
<i>Maximum drawbar pull</i>	105,34 kN	
<i>at speed of</i>	4,76 km/h	Not
<i>Maximum power</i>	206,28 kW	Applicable
<i>at speed of</i>	10,94 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>	149,9 l/min	14,68 MPa	36,7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	241,1 l/min	17,15 MPa	68,9 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		93,7 kN	81,5 kN