



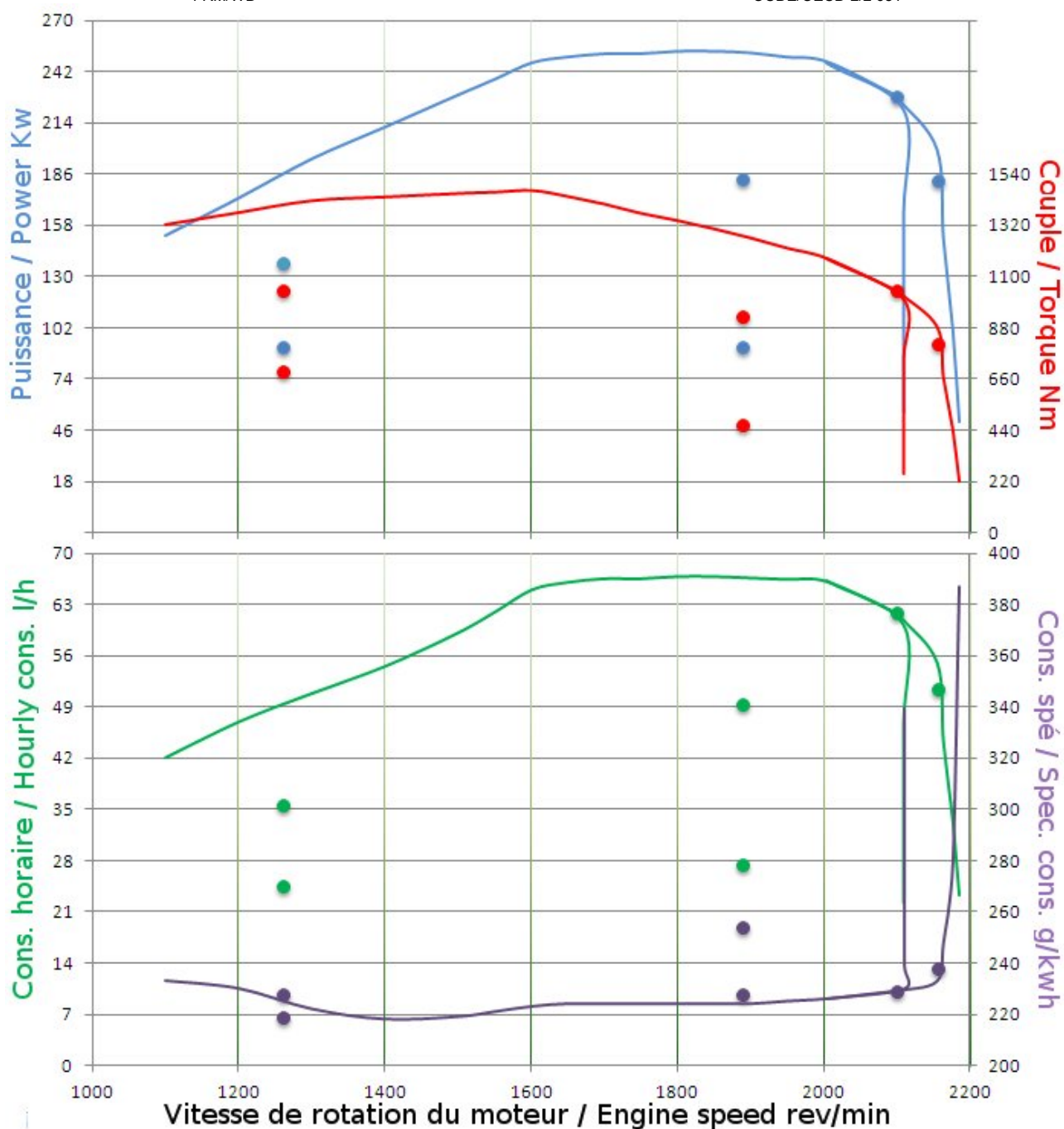
OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 681
20/02/2012
John Deere
8335R
4WD
Full Power Shift - 40 km/h
John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

John Deere 8335R
4 RM/WD

OCDE/OECD 2/2 681



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6090RW414
<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 Power Shift
<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>		1048 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>	253,34 kW	1800 min ⁻¹	899 min ⁻¹
<i>Hourly and specific consumption</i>		67,28 l/h	225 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	228,63 kW	2099 min ⁻¹	1048 min ⁻¹
<i>Hourly and specific consumption</i>		61,85 l/h	229 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	247,13 kW	2004 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		66,19 l/h	226 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1471 Nm	1601 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>	12444 kg	
<i>Maximum drawbar pull</i>	116,91 kN	
<i>at speed of</i>	5,46 km/h	Not
<i>Maximum power</i>	223,34 kW	Applicable
<i>at speed of</i>	10,2 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>	132,8 l/min	15,68 MPa	34,7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	242,7 l/min	17,31 MPa	70,0 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		87,1 kN	84,4 kN