OCD approval number	**2/2 682**
OECD approval date	**27/02/2012**
Make	**John Deere**
Model	**8235R**
Type	**4WD**
	Full Power Shift - 40 km/h
Manufacturer:	John Deere Tractor Works
Testing station:	Nebraska Tractor Test Laboratory
	Lincoln, Nebraska U.S.A.

John Deere 8235R
4 RM/WD   OCDE/OECD 2/2 682
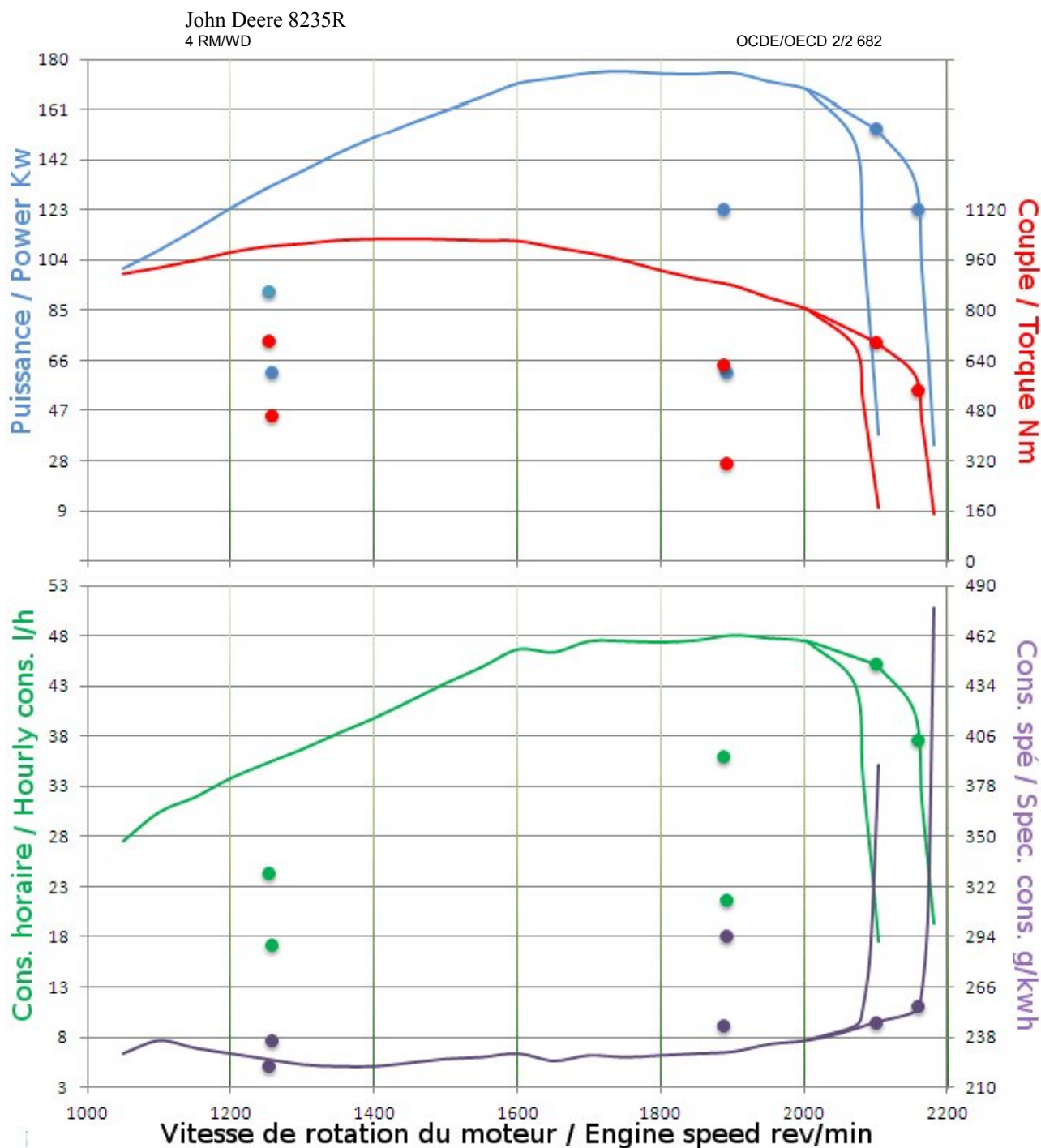
Engine, Transmission, Power take-off Specifications

Make, Model	John Deere	6090RW414
Type, Supercharging	Direct injection	Yes
Cylinders, Disposition	6	vertical in line
Capacity, Cooling	8984 cm^3	Liquid
Gear box		Full Power Shift
Number of forward and reverse speeds	16	4
Speed at rated engine speed	from 1,88	to 39,13 km/h
<u>Standard Power take-off speed</u>	540 min^{-1}	1000 min^{-1}
Power take-off speed at rated engine speed		1048 min^{-1}
Diameter of the shaft	*Not*	45 mm
Number of splines	*Applicable*	20

Power take-off Test

<u>One hour test at maximum power</u>

Power, Engine and Power take-off speed	175,34 kW	1751 min^{-1}	874 min^{-1}
Hourly and specific consumption		47,44 l/h	227 g/kWh

<u>Test at maximum power at rated engine speed</u>

Power, Engine and Power take-off speed	153,93 kW	2100 min^{-1}	1049 min^{-1}
Hourly and specific consumption		45,15 l/h	246 g/kWh

<u>Test at standard Power take-off speed</u>

Power, Engine and Power take-off speed	168,88 kW	2003 min^{-1}	1001 min^{-1}
Hourly and specific consumption		47,46 l/h	236 g/kWh
<u>Torque rise</u>			46,7 %
<u>Maximum torque, Engine speed corresponding</u>		1027 Nm	1452 min^{-1}

Drawbar Test

Front tyres, Rear tyres	420/85R34	480/80R50
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
Total Mass	11519 kg	
Maximum drawbar pull	105,12 kN	
at speed of	4,19 km/h	*Not*
Maximum power	153,55 kW	*Applicable*
at speed of	8,59 km/h	

Hydraulic Performance and Power Lift Test

Hydraulic system			Closed centre
<u>At maximum hydraulic power</u>			
Flow rate, Pressure, Power (couplers: 1 pair)	141,7 l/min	14,69 MPa	34,7 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	180,9 l/min	17,86 MPa	53,9 kW
<u>Maximum lifting force</u>			
at the hitch points, at frame		87,1 kN	84,4 kN