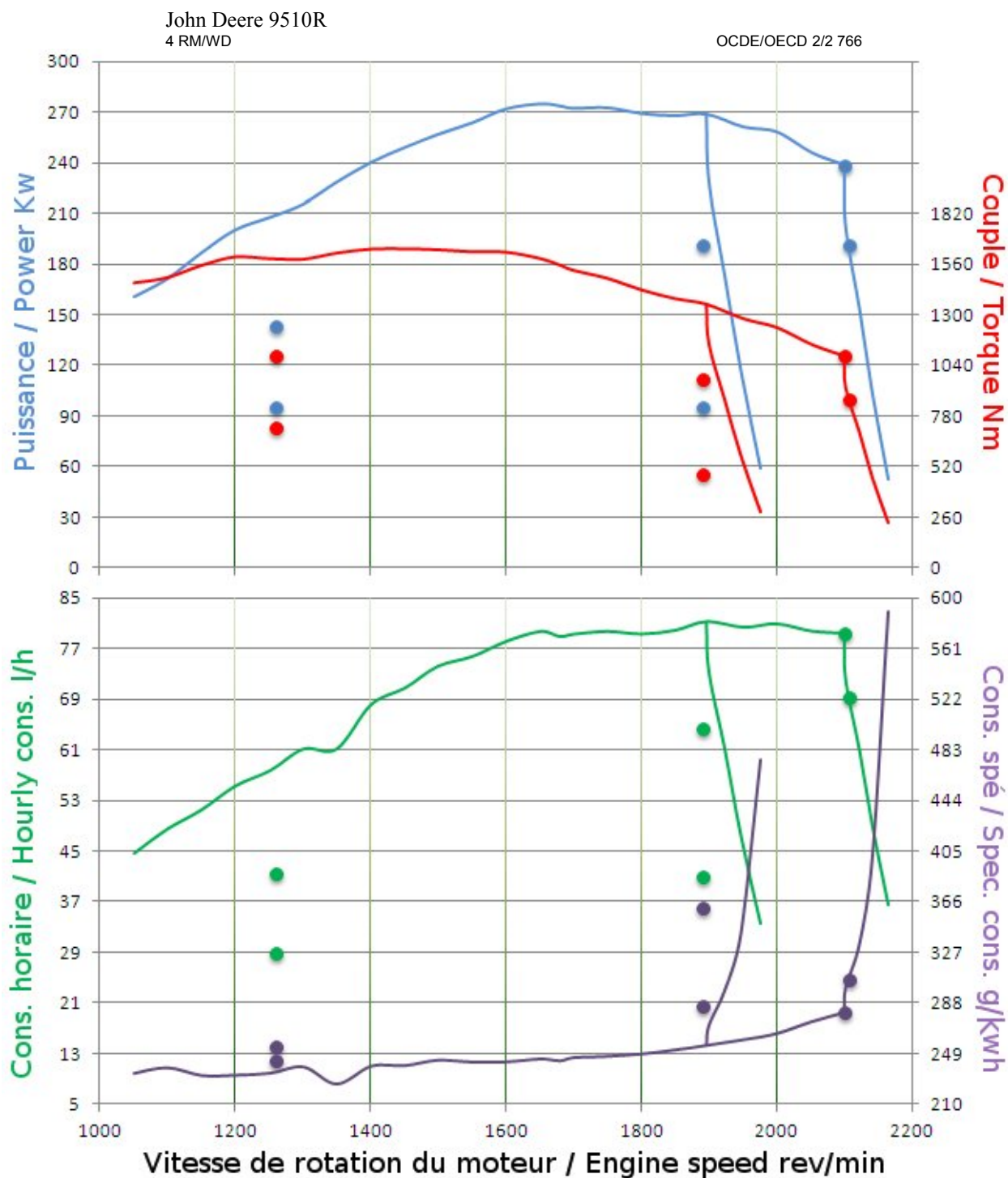




OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 766
13/06/2013
John Deere
9510R
4WD
Full PowerShift - 40 km/h
John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6135RW401
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	13548 cm ³	Liquid
<i>Gear box</i>		Full PowerShift
<i>Number of forward and reverse speeds</i>	18	6
<i>Speed at rated engine speed</i>	from 3,81	to 37,78 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>		1108 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>	274,67 kW	1650 min ⁻¹	871 min ⁻¹
<i>Hourly and specific consumption</i>		79,63 l/h	245 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	238,67 kW	2099 min ⁻¹	1108 min ⁻¹
<i>Hourly and specific consumption</i>		79,34 l/h	280 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	268,70 kW	1895 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		81,19 l/h	255 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1640,2 Nm		1450 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	480/80 R46	480/80 R46
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	20074 kg	24091 kg
<i>Maximum drawbar pull</i>	200,02 kN	246,80 kN
<i>at speed of</i>	3,40 km/h	3,30 km/h
<i>Maximum power</i>	345,15 kW	347,93 kW
<i>at speed of</i>	9,17 km/h	11,39 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>	141,0 l/min	14,55 MPa	34,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	199,0 l/min	17,17 MPa	56,9 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		72,5 kN	59,9 kN