

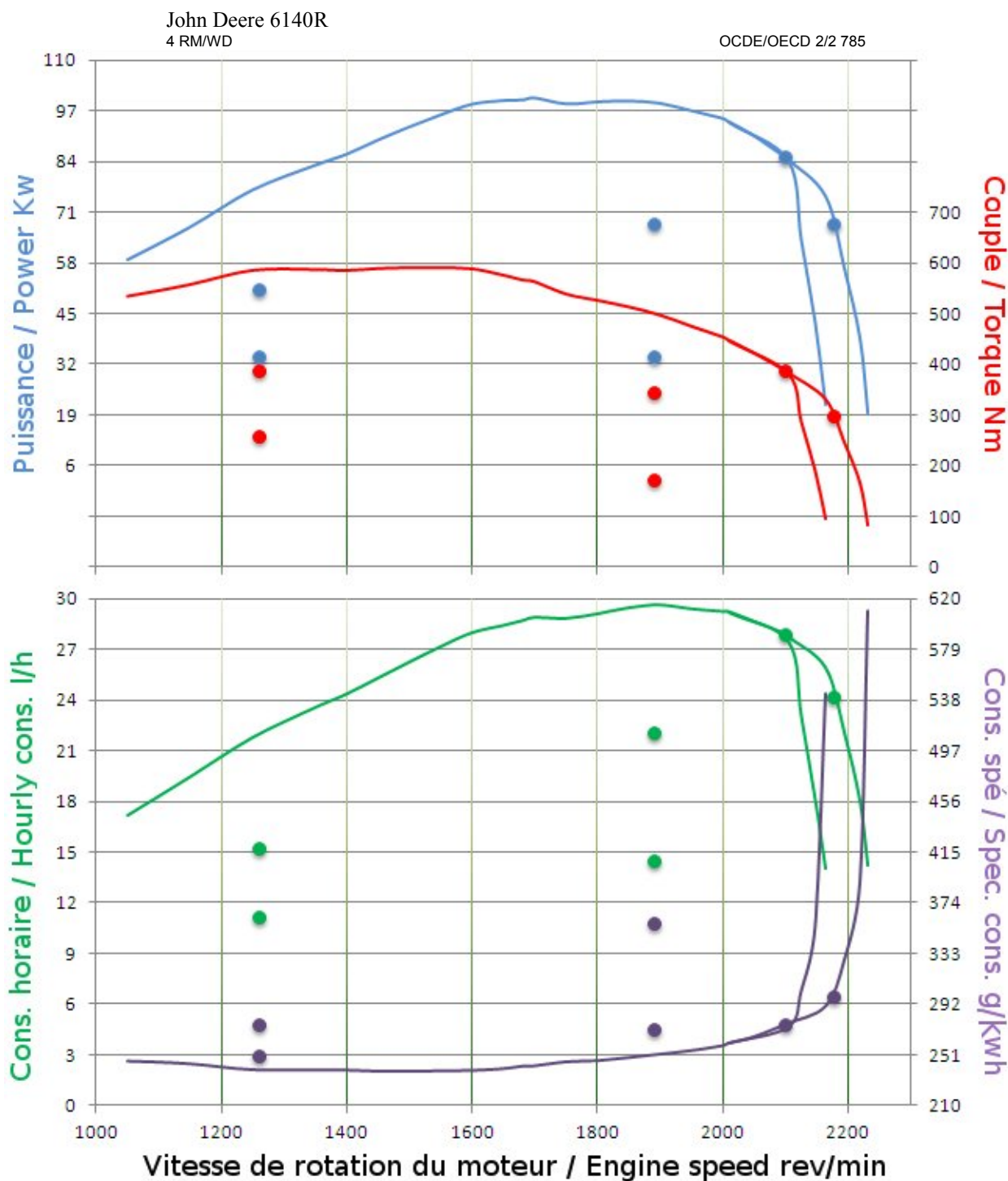


OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 785
15/10/2013
John Deere
6140R
4WD

AutoQuad - 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	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
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 2,57	to 42,00 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>	571 min ⁻¹	1045 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>	100,24 kW	1700 min ⁻¹	846 min ⁻¹
<i>Hourly and specific consumption</i>		28,86 l/h	242 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	85,07 kW	2100 min ⁻¹	1045 min ⁻¹
<i>Hourly and specific consumption</i>		27,91 l/h	275 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	94,18 kW	2010 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		29,20 l/h	260 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	590,8 Nm	1499 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/85 R28	480/80 R42
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6620 kg	
<i>Maximum drawbar pull</i>	63,44 kN	
<i>at speed of</i>	3,41 km/h	Not
<i>Maximum power</i>	93,00 kW	Applicable
<i>at speed of</i>	10,03 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>	113,4 l/min	14,38 MPa	27,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	111,4 l/min	19,30 MPa	35,8 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		42,5 kN	36,5 kN