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Make
Model
Type

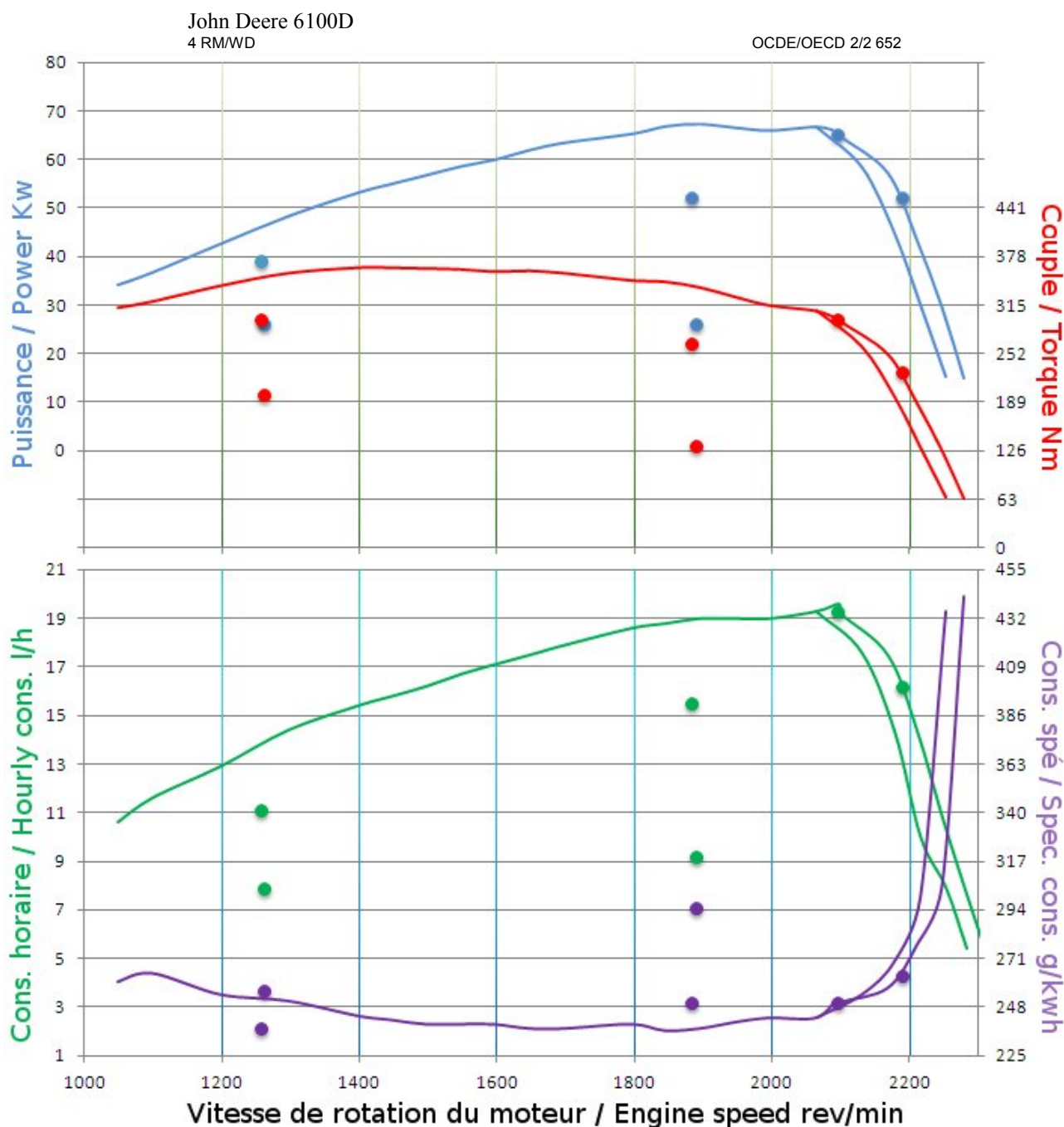
2/2 652
29/11/2011
John Deere
6100D
4 WD

Manufacturer:

mechanical - 30 km/h
Industrias John Deere Boulevard Valdez
Sanches #470 Saltillo, Coahuila CP 25005
Mexico

Testing station:

Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TP060
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>	9	3
<i>Speed at rated engine speed</i>	from 2,77	to 27,7 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>	543,8 min ⁻¹	1016,8 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>	67.19 kW	1896 min ⁻¹	918 min ⁻¹
<i>Hourly and specific consumption</i>		18,99 l/h	238 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	65.23 kW	2096 min ⁻¹	1015 min ⁻¹
<i>Hourly and specific consumption</i>		19,35 l/h	250 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	66.61 kW	2065 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19,27 l/h	243 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	363 Nm	1398 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	13.6-24	18.4-34
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	4128 kg	4852 kg
<i>Maximum drawbar pull</i>	34,48 kN	30,04 kN
<i>at speed of</i>	4,6 km/h	5,91 km/h
<i>Maximum power</i>	56,52 kW	55,99 kW
<i>at speed of</i>	10,3 km/h	8,38 Km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	65,3 l/min	17,61 MPa	19,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	68 l/min	17,89 MPa	20,3 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		45,1 kN	30,4 kN