



OECD approval number
OECD approval date
Make
Model
Type

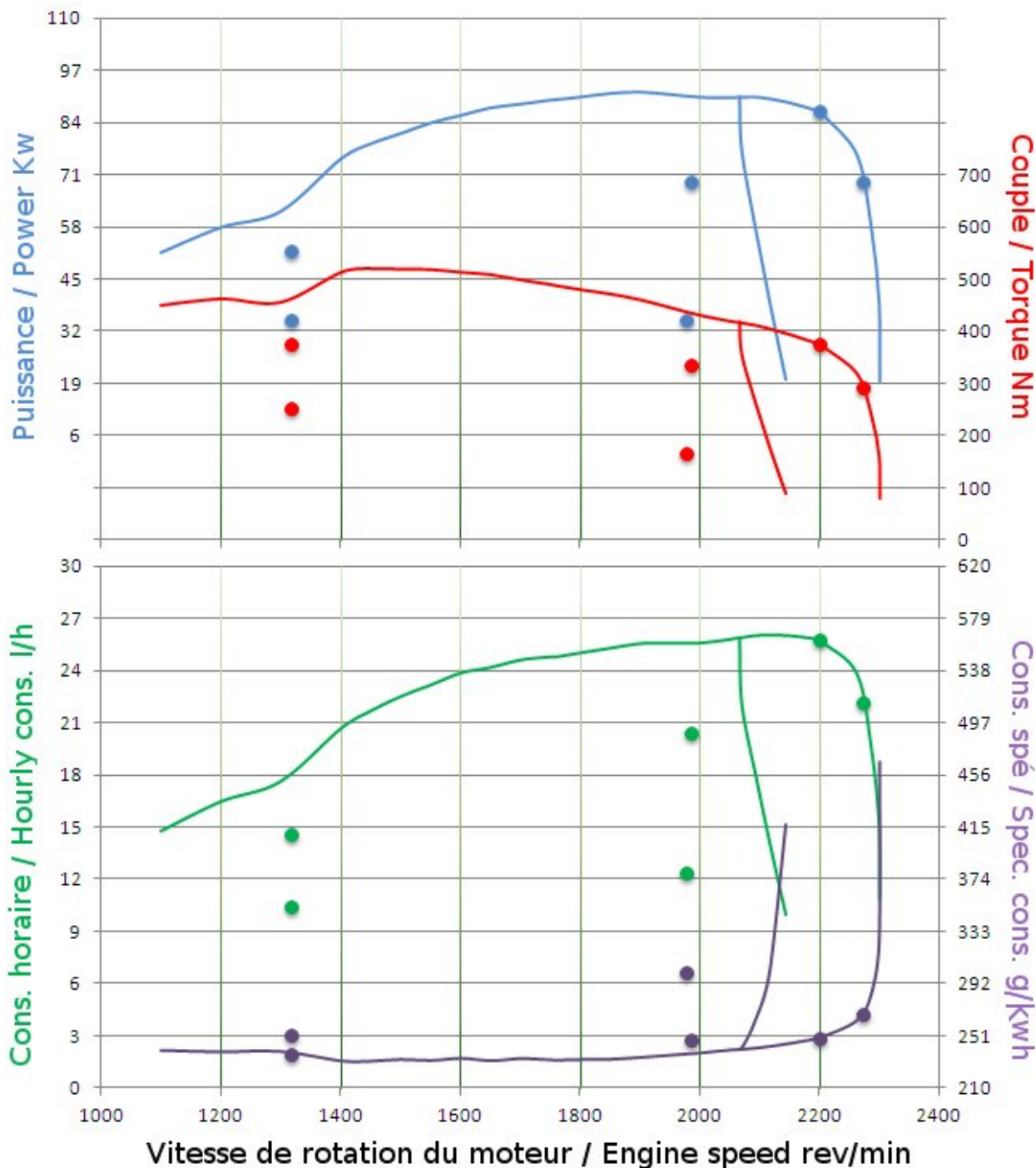
2/2 786
15/10/2013
John Deere
6140D
4WD

Manufacturer:
Testing station:

PowrReverser - 30 km/h
John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

John Deere 6140D
4 RM/WD

OCDE/OECD 2/2 786



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HP057
<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>		PowrReverser
<i>Number of forward and reverse speeds</i>	9	9
<i>Speed at rated engine speed</i>	from 3,09	to 30,90 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>	570 min ⁻¹	1065 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>	91,57 kW	1900 min ⁻¹	919 min ⁻¹
<i>Hourly and specific consumption</i>		25,52 l/h	234 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	86,79 kW	2199 min ⁻¹	1065 min ⁻¹
<i>Hourly and specific consumption</i>		25,76 l/h	249 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	90,27 kW	2065 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		25,84 l/h	240 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	518,8 Nm	1450 min ⁻¹	37,7 %
---	----------	------------------------	--------

Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 - 24	18.4 - 38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4554 kg	
<i>Maximum drawbar pull</i>	38,94 kN	
<i>at speed of</i>	6,41 km/h	Not
<i>Maximum power</i>	77,51 kW	Applicable
<i>at speed of</i>	10,32 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>	73,1 l/min	17,51 MPa	21,3 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	74,8 l/min	18,04 MPa	22,5 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		35,6 kN	31,2 kN