



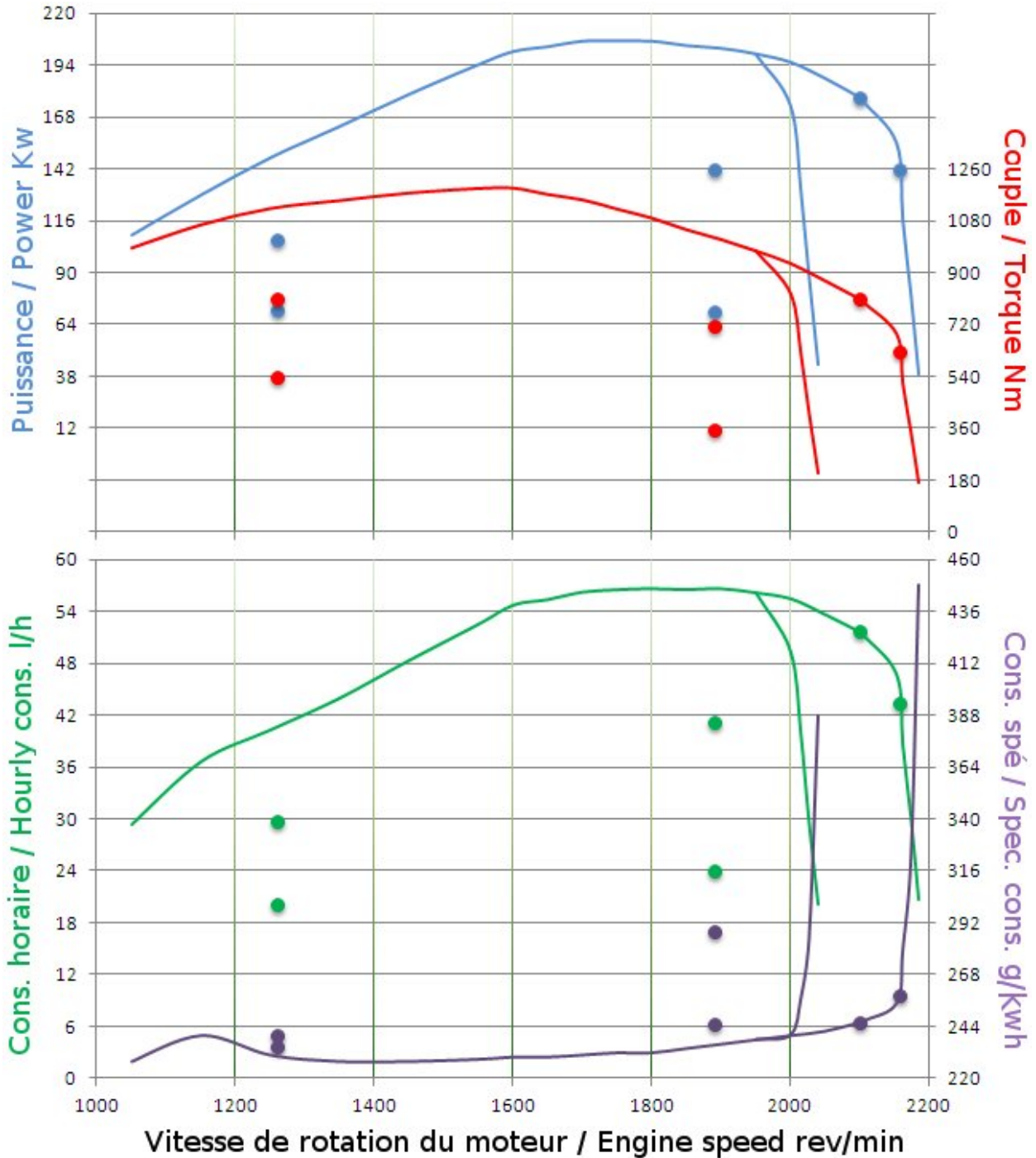
OECD approval number
OECD approval date
Make
Model
Type

2/2 728
 17/12/2012
John Deere
7280R
4WD
 IVT - 40 km/h
 John Deere Tractor Works
 Nebraska Tractor Test Laboratory
 Lincoln, Nebraska U.S.A.

Manufacturer:
Testing station:

John Deere 7280R
4 RM/WD

OCDE/OECD 2/2 728



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere		6090RW401
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	6		vertical in line
<i>Capacity, Cooling</i>	8984 cm ³		Liquid
<i>Gear box</i>			IVT
<i>Number of forward and reverse speeds</i>		-	-
<i>Speed at rated engine speed</i>		from 0	to 40 km/h
<u>Standard Power take-off speed</u>		540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>		limited	1077 min ⁻¹
<i>Diameter of the shaft</i>		45 mm	45 mm
<i>Number of splines</i>		6	20

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	205,74 kW	1751 min ⁻¹	898 min ⁻¹
<i>Hourly and specific consumption</i>		56,57 l/h	232 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	177,48 kW	2100 min ⁻¹	1077 min ⁻¹
<i>Hourly and specific consumption</i>		51,70 l/h	246 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	199,30 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		56,22 l/h	238 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>		1196 Nm	1601 min ⁻¹
---	--	---------	------------------------

Drawbar Test

<i>Front tyres, Rear tyres</i>	420/90 R30		480/80 R46
<u>Test with tractor</u>	<u>unballasted</u>		<u>ballasted</u>
<i>Total Mass</i>	10778 kg		14107 kg
<i>Maximum drawbar pull</i>	105,30 kN		135,39 kN
<i>at speed of</i>	4,18 km/h		3,36 km/h
<i>Maximum power</i>	178,54 kW		180,00 kW
<i>at speed of</i>	13,07 km/h		13,13 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	143,8 l/min	15,93 MPa	38,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	175,8 l/min	18,84 MPa	55,2 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		70,6 kN	63,2 kN