



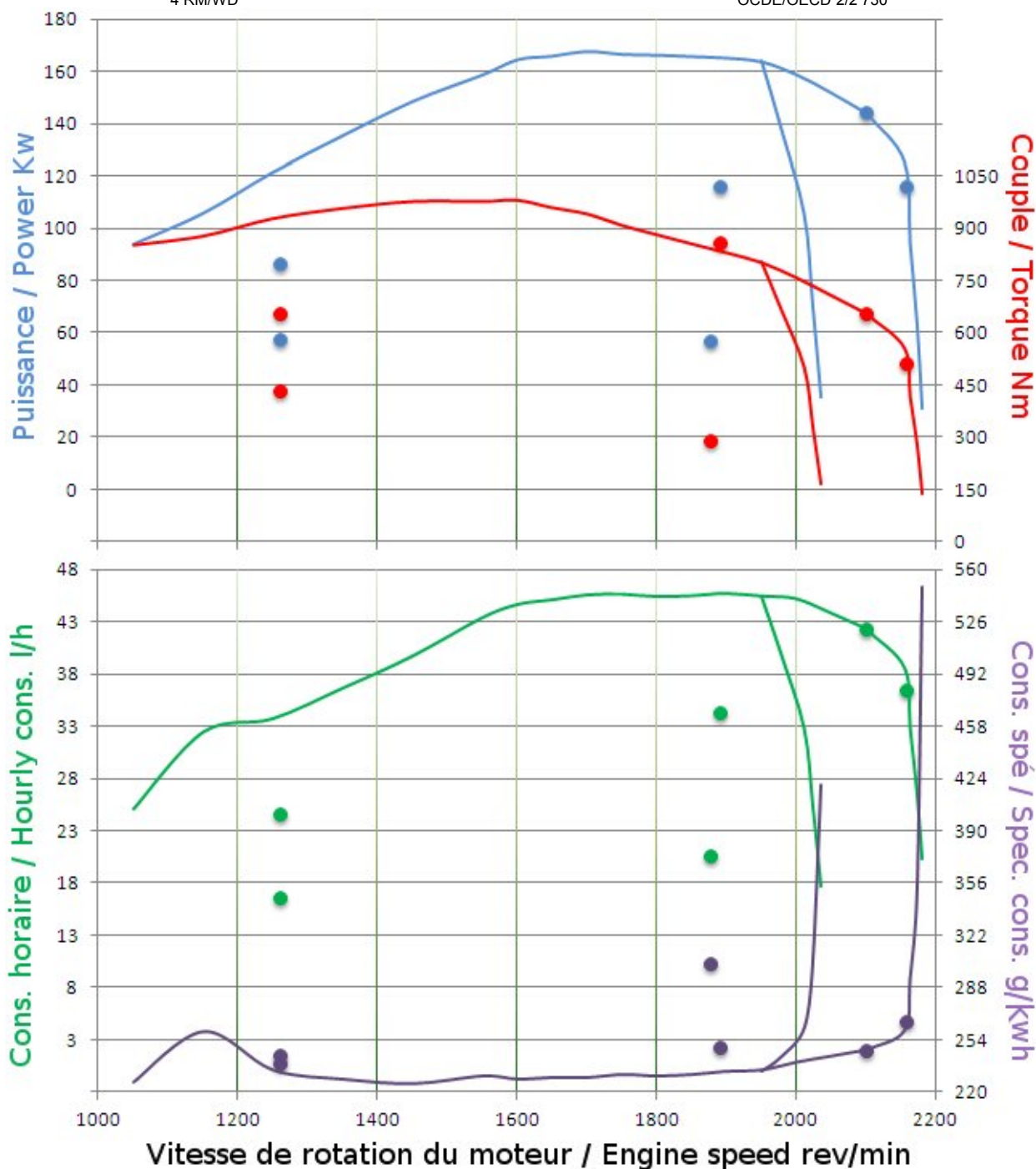
OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 730
17/12/2012
John Deere
7230R
4WD
CommandQuad - 40 km/h
John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

John Deere 7230R
4 RM/WD

OCDE/OECD 2/2 730



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>		CommandQuad
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 2,86	to 43,00 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>	limited	1077 min ⁻¹
<i>Diameter of the shaft</i>	45 mm	45 mm
<i>Number of splines</i>	6	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	167,83 kW	1701 min ⁻¹	872 min ⁻¹
<i>Hourly and specific consumption</i>		45,54 l/h	229 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	144,19 kW	2100 min ⁻¹	1077 min ⁻¹
<i>Hourly and specific consumption</i>		42,34 l/h	247 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	161,54 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		45,35 l/h	237 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	982 Nm	1601 min ⁻¹	49,8 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/90 R30	480/80 R46
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	9884 kg	
<i>Maximum drawbar pull</i>	96,99 kN	
<i>at speed of</i>	3,75 km/h	Not
<i>Maximum power</i>	153,54 kW	Applicable
<i>at speed of</i>	10,81 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>	133,6 l/min	16,30 MPa	36,3 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	132,3 l/min	19,41 MPa	42,8 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		55,2 kN	48,8 kN