



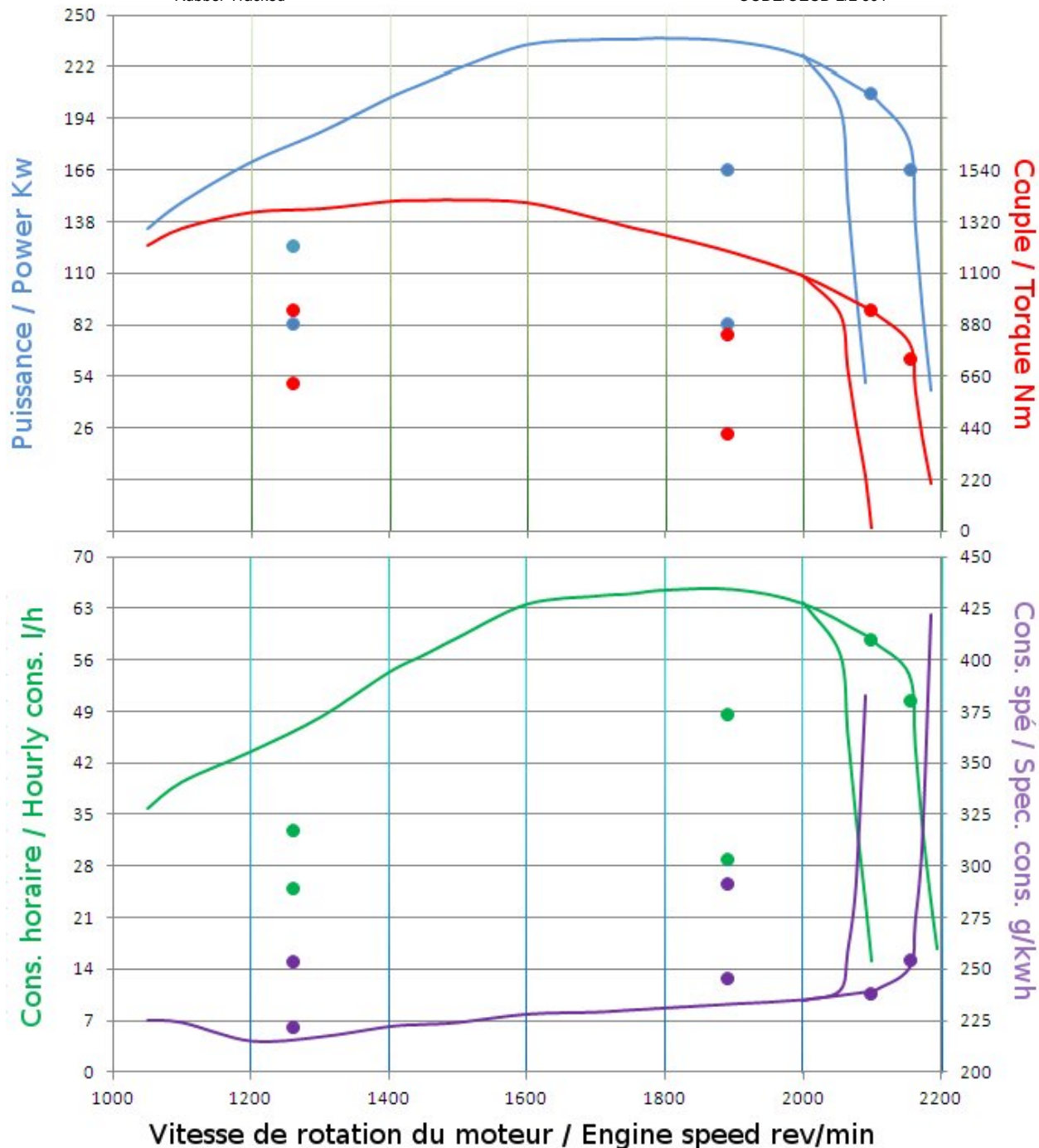
OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 591
2/03/2011
John Deere
8345RT
Rubber Tracked
CVT - 40 km/h
John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

John Deere 8345RT
Rubber Tracked

OCDE/OECD 2/2 591



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6090HRW48
<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>		CVT
<i>Number of forward and reverse speeds</i>	1	1
<i>Speed at rated engine speed</i>	from 0	to 40 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>		1050 min ⁻¹
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	237,77 kW	1800 min ⁻¹	900 min ⁻¹
<i>Hourly and specific consumption</i>		65,41 l/h	231 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	207,93 kW	2096 min ⁻¹	1048 min ⁻¹
<i>Hourly and specific consumption</i>		58,93 l/h	238 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	228,39 kW	2004 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		63,87 l/h	235 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1409 Nm		1500 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

<i>Test with tractor</i>	unballasted	ballasted
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Total Mass

15730 kg

Maximum drawbar pull

152,18 kN

at speed of

3,55 km/h

Maximum power

202,12 kW

at speed of

9,86 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

<i>At maximum hydraulic power</i>			Closed centre
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Flow rate, Pressure, Power (couplers: 1 pair)

153,3 l/min	14,83 MPa	37,9 kW
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Flow rate, Pressure, Power (couplers: 2 pairs or +)

242,5 l/min	16,99 MPa	68,7 kW
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Maximum lifting force

<i>at the hitch points, at frame</i>	77,3 kN	77,6 kN
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