



OECD approval number
OECD approval date
Make
Model
Type

2/2 655
12/12/2011
John Deere
8345R
4 WD

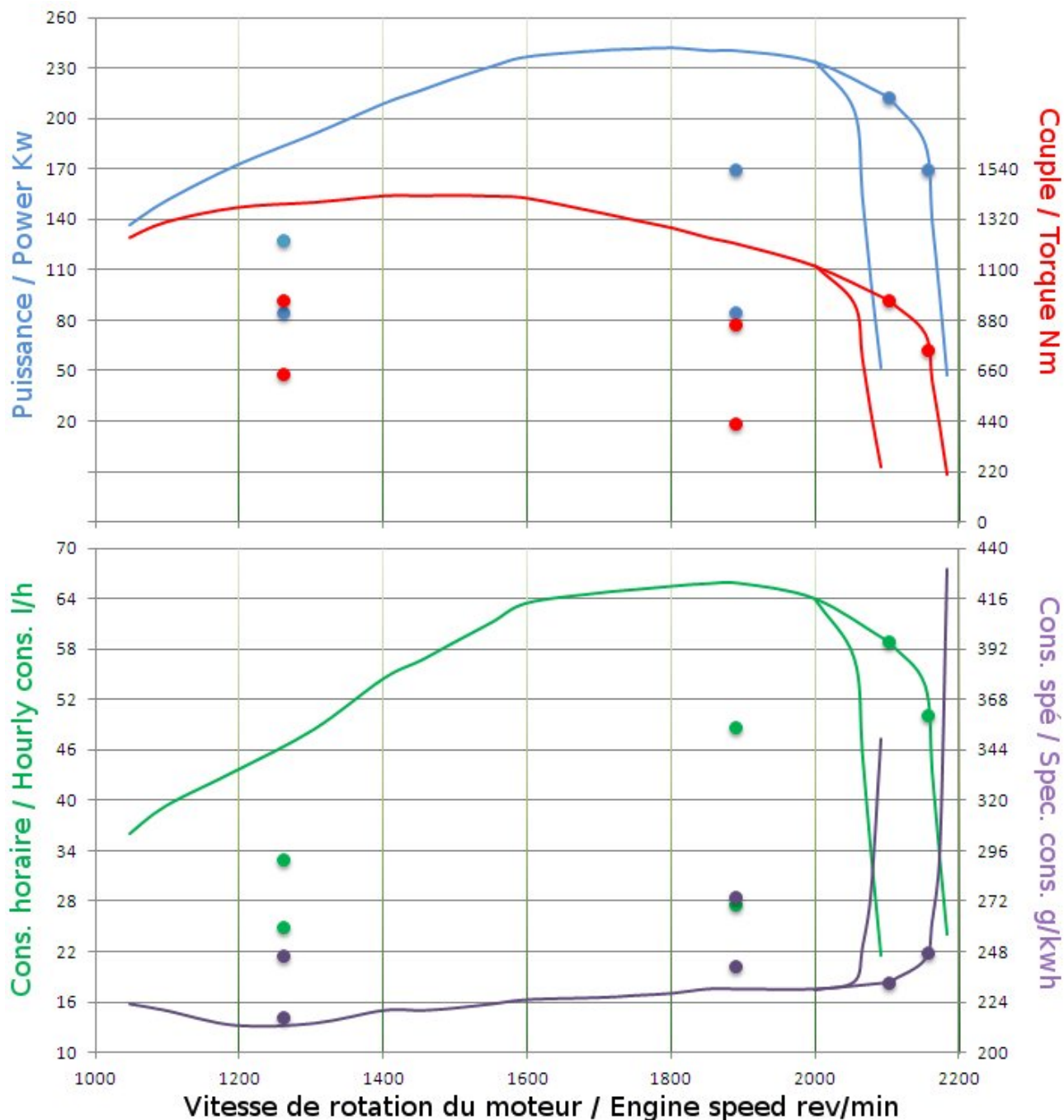
CVT - 42 km/h

Manufacturer:
Testing station:

John Deere Tractor Works
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

John Deere 8345R
4 RM/WD

OCDE/OECD 2/2 655



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6090HRW52
<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>	-	-
<i>Speed at rated engine speed</i>	from 0	to 42 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>		1051 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>	242,36 kW	1802 min ⁻¹	901 min ⁻¹
<i>Hourly and specific consumption</i>		65,54 l/h	228 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	212,89 kW	2102 min ⁻¹	1051 min ⁻¹
<i>Hourly and specific consumption</i>		58,93 l/h	233 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	233,79 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		63,97 l/h	230 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1428,0 Nm		1496 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/85R34	480/80R50
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	12279 kg	17518 kg
<i>Maximum drawbar pull</i>	120,65 kN	173,75 kN
<i>at speed of</i>	4,99 km/h	3,27 km/h
<i>Maximum power</i>	210,03 kW	210,27 kW
<i>at speed of</i>	9,68 km/h	8,14 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>	144,3 l/min	14,88 MPa	35,8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	243,6 l/min	16,76 MPa	68,1 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		93,7 kN	81,5 kN