

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 853
OECD Approval Date	12/12/2014
Make	John Deere
Model	7210R
Type	4 WD
Transmission	CommandQuad
Speed	40 km/h
Manufacturer	John Deere Tractor Works
Testing Station	NTTL – U.S.A.



SPECIFICATIONS

ENGINE

<i>Make</i>	John Deere
<i>Model</i>	6068RW411
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	6788 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	CommandQuad
<i>Number of forward and reverse speeds</i>	20
<i>Speed at rated engine speed</i>	from 2,86 to 43,00 km/h

POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	- min ⁻¹	1067 min ⁻¹
<i>Diameter of the shaft</i>	45 mm	45 mm
<i>Number of splines</i>	6	20

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	153,69 kW	1900 min ⁻¹	966 min ⁻¹
Hourly and specific consumption		42,83 l/h	234 g/kWh
Hourly and specific urea consumption		0.99 l/h	7.0 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	132,55 kW	2099 min ⁻¹	1067 min ⁻¹
Hourly and specific consumption		39,01 l/h	247 g/kWh
Hourly and specific urea consumption		0.93 l/h	7.6 g/kWh-

Test at standard Power take-off speed

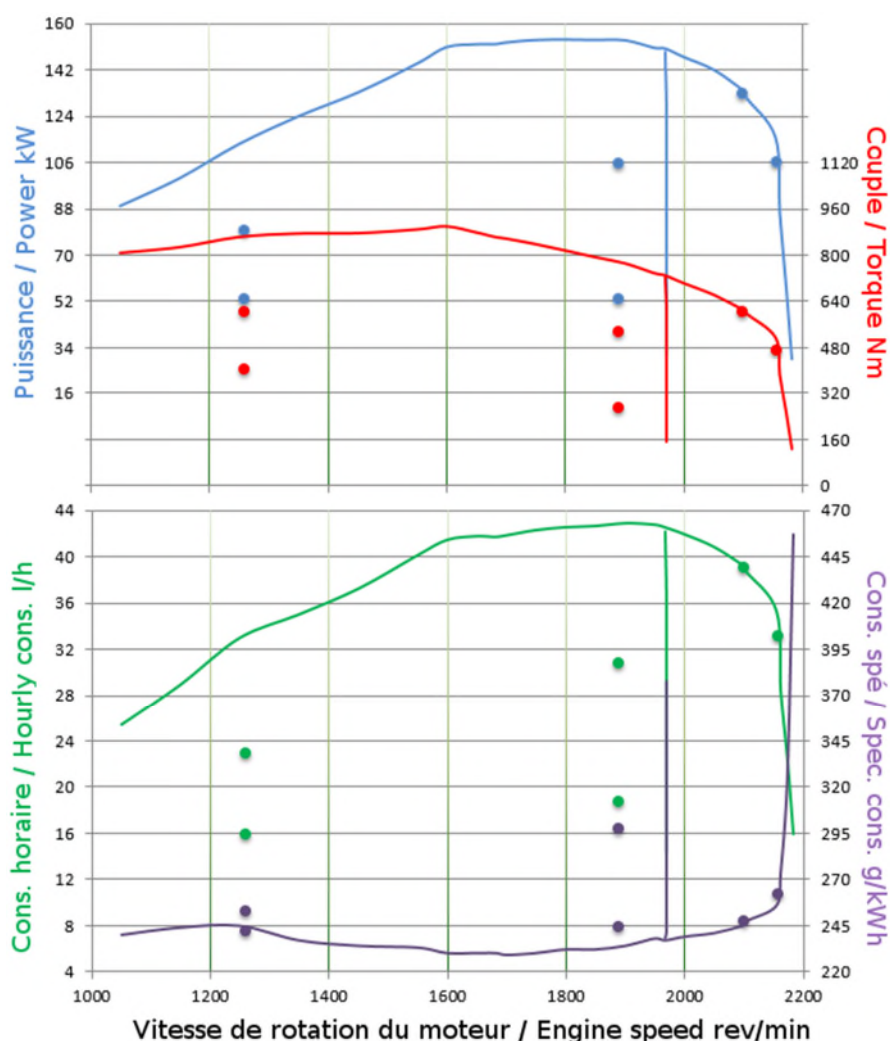
Power, Engine and Power take-off speed	149,03 kW	1967 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		42,21 l/h	238 g/kWh
Hourly and specific urea consumption		0.89 l/h	6.5 g/kWh-

Torque rise

49,5 %

Maximum torque, Engine speed corresponding

901,8 Nm

1599 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	5.7	35:03
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	3.7	35:23
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	2.7	35:21

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system	Closed centre
Relief valve pressure setting (tolerance):	20,4 ± 0,3 MPa

HYDRAULIC PERFORMANCES

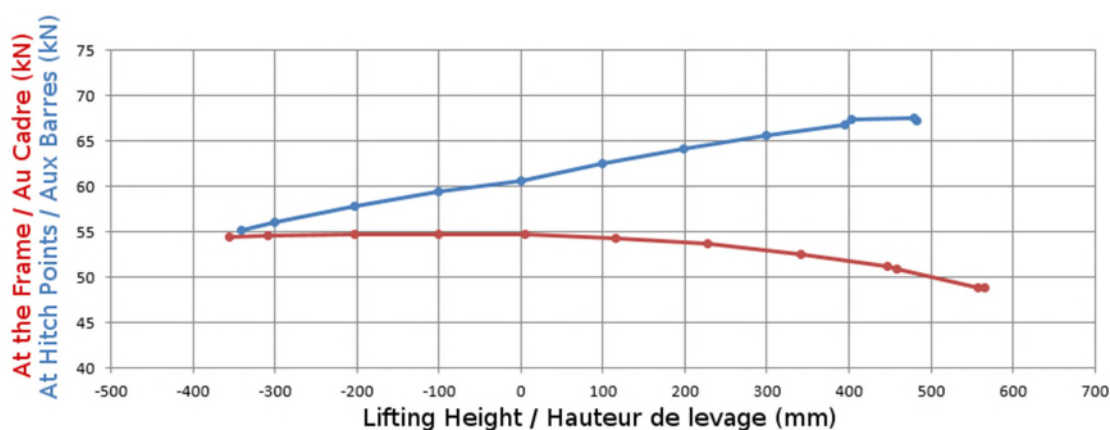
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	134,0 l/min	15,47 MPa	34,6 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	217,6 l/min	17,72 MPa	64,3 kW

POWER LIFT

Maximum lifting force

at the hitch points	55,2 kN
at the frame	48,8 kN

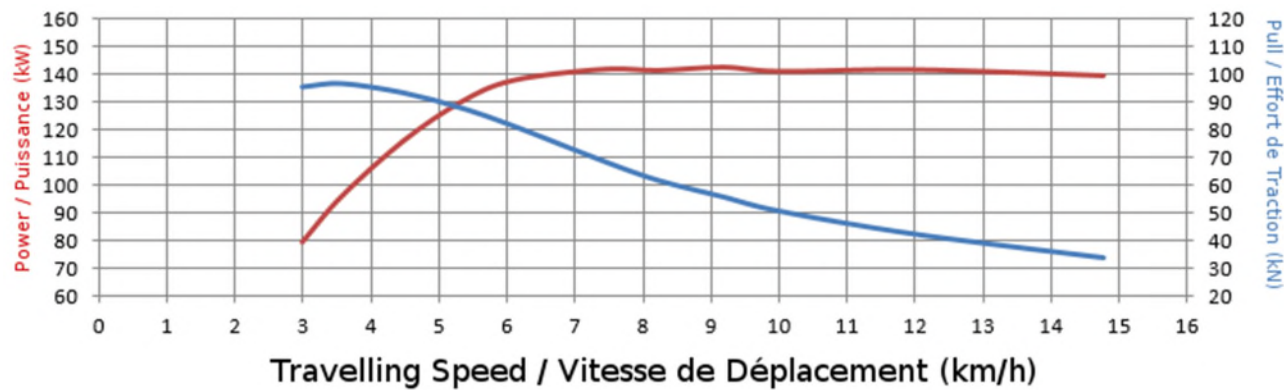


DRAWBAR TEST

Front tyres, Rear tyres	420/90 R30	480/80 R46
Inflation pressure	90 kPa	83 kPa

UNBALLASTED

Total Mass	9947 kg
Maximum drawbar pull	96,93 kN
at speed of	3,56 km/h
Maximum power	142,64 kW
at speed of	9,17 km/h



BALLASTED

Not Applicable