

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 850
OECD Approval Date	27/11/2014
Make	John Deere
Model	7230R
Type	4 WD
Transmission	e23 Full Powershift
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>	e23 Full Powershift
<i>Number of forward and reverse speeds</i>	23
<i>Speed at rated engine speed</i>	from 2,35 to 42,00 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	1077 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	169,69 kW	1701 min ⁻¹	872 min ⁻¹
Hourly and specific consumption		46,60 l/h	231 g/kWh
Hourly and specific urea consumption		1,20 l/h	7,7 g/kWh-

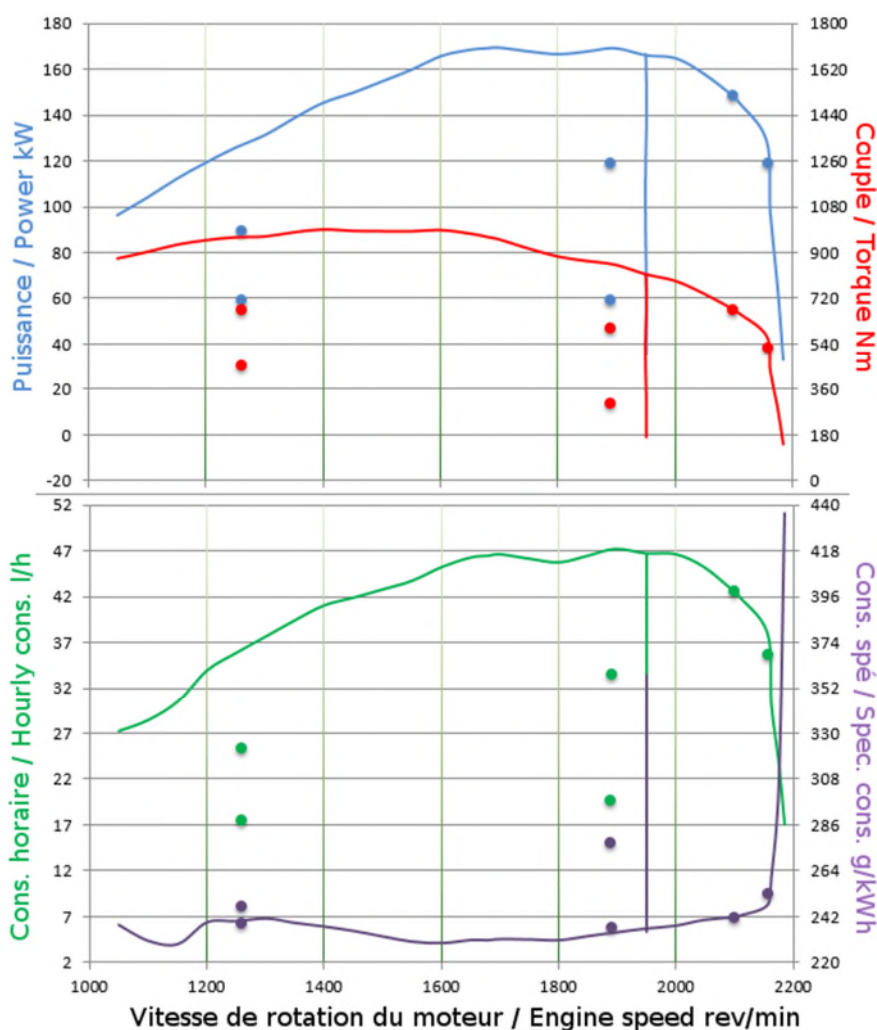
Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	148,23 kW	2100 min ⁻¹	1077 min ⁻¹
Hourly and specific consumption		42,57 l/h	241 g/kWh
Hourly and specific urea consumption		1,17 l/h	8,5 g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	166,36 kW	1950 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		46,70 l/h	236 g/kWh
Hourly and specific urea consumption		1,24 l/h	8,0 g/kWh-

<u>Torque rise</u>			47,3 %
<u>Maximum torque, Engine speed corresponding</u>		992,9 Nm	1400 min ⁻¹



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	6,7	34:34
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	4,1	35:19
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	1,8	34:43

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

HYDRAULIC PERFORMANCES

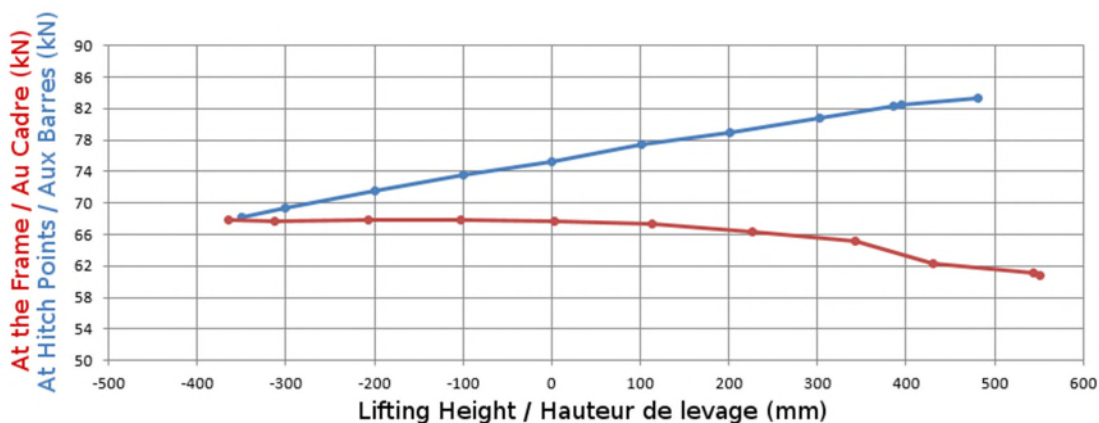
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	126,1 l/min	16,71 MPa	35,1 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	126,9 l/min	19,62 MPa	41,5 kW

POWER LIFT

Maximum lifting force

at the hitch points	68,2 kN
at the frame	60,8 kN

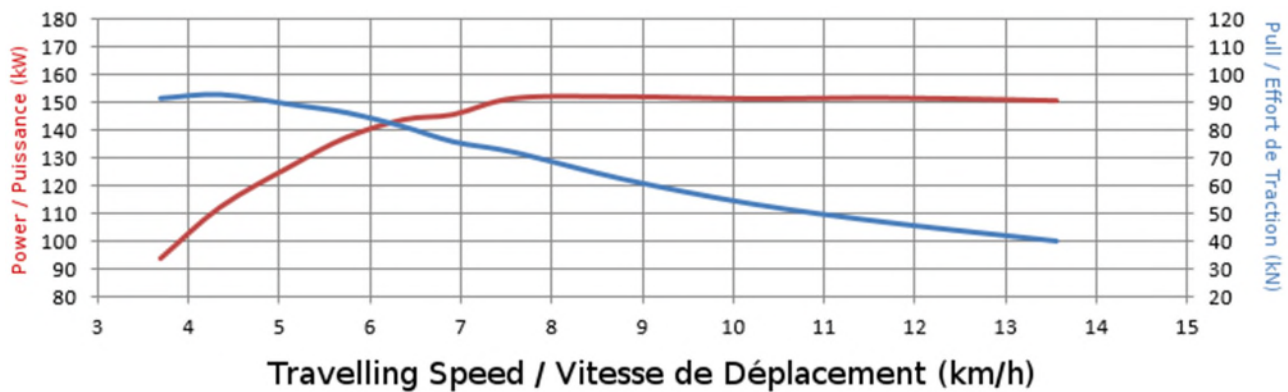


DRAWBAR TEST

Front tyres, Rear tyres	420/90 R30	480/80 R46
Inflation pressure	83 kPa	103 kPa

UNBALLASTED

Total Mass	10369 kg
Maximum drawbar pull at speed of	92,82 kN 4,35 km/h
Maximum power at speed of	152,13 kW 8,79 km/h



BALLASTED

Not Applicable