

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 848</b>
<b>OECD Approval Date</b>	<b>27/11/2014</b>
<b>Make</b>	<b>John Deere</b>
<b>Model</b>	<b>7270R</b>
<b>Type</b>	<b>4 WD</b>
<b>Transmission</b>	<b>e23 Powershift</b>
<b>Speed</b>	<b>40 km/h</b>
<b>Manufacturer</b>	<b>John Deere Tractor Works</b>
<b>Testing Station</b>	<b>NTTL – U.S.A.</b>



## 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 <sup>3</sup>
<i>Cooling</i>	Liquid

### TRANSMISSION

<i>Gear box</i>	e23 Powershift
<i>Number of forward and reverse speeds</i>	23
<i>Speed at rated engine speed</i>	from 2,30 to 42,00 km/h

### POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>	- min <sup>-1</sup>	1077 min <sup>-1</sup>
<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	190,94 kW	1800 min <sup>-1</sup>	923 min <sup>-1</sup>
Hourly and specific consumption		54,60 l/h	240 g/kWh
Hourly and specific urea consumption		1.22 l/h	6.9 g/kWh-

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	169,62 kW	2100 min <sup>-1</sup>	1077 min <sup>-1</sup>
Hourly and specific consumption		50,17 l/h	248 g/kWh
Hourly and specific urea consumption		1.52 l/h	9.7 g/kWh-

### Test at standard Power take-off speed

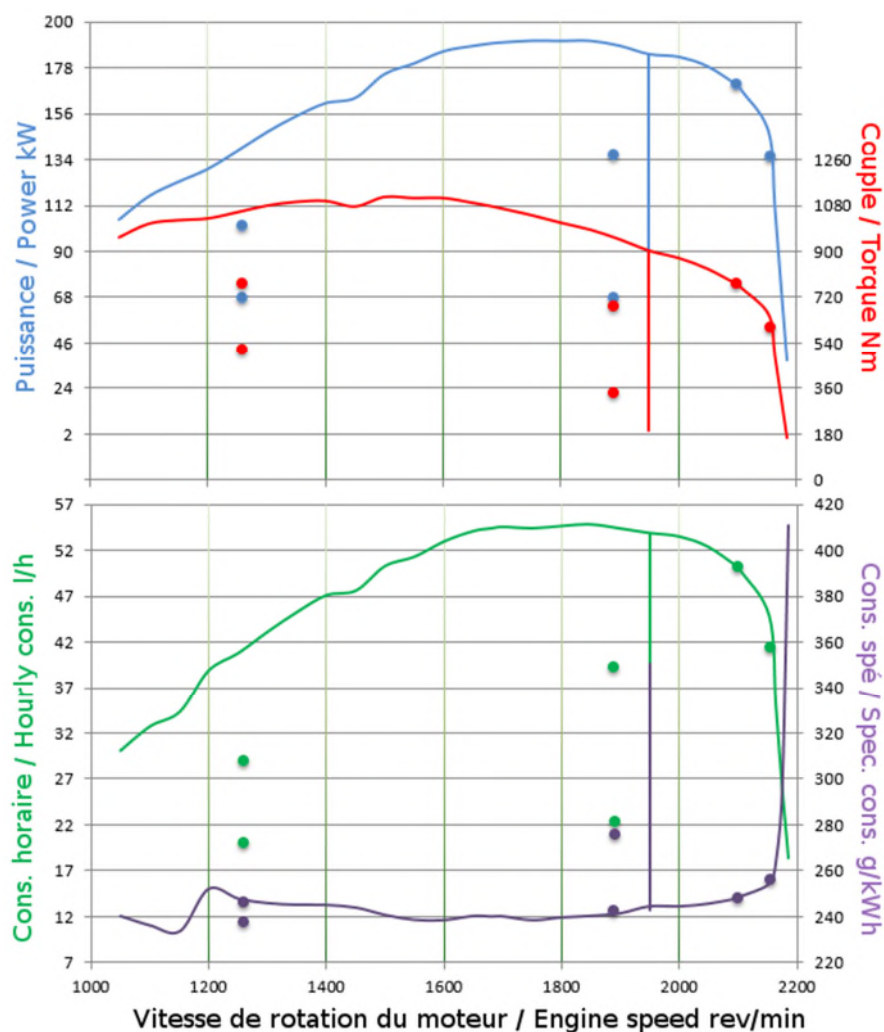
Power, Engine and Power take-off speed	184,58 kW	1950 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		53,84 l/h	245 g/kWh
Hourly and specific urea consumption		1.33 l/h	7.9 g/kWh-

### Torque rise

44,4 %

### Maximum torque, Engine speed corresponding

1113,8 Nm

1500 min<sup>-1</sup>

## PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	6,4	34:46
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	4,1	42:32
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	2,3	37:19

## HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

### HYDRAULIC PERFORMANCES

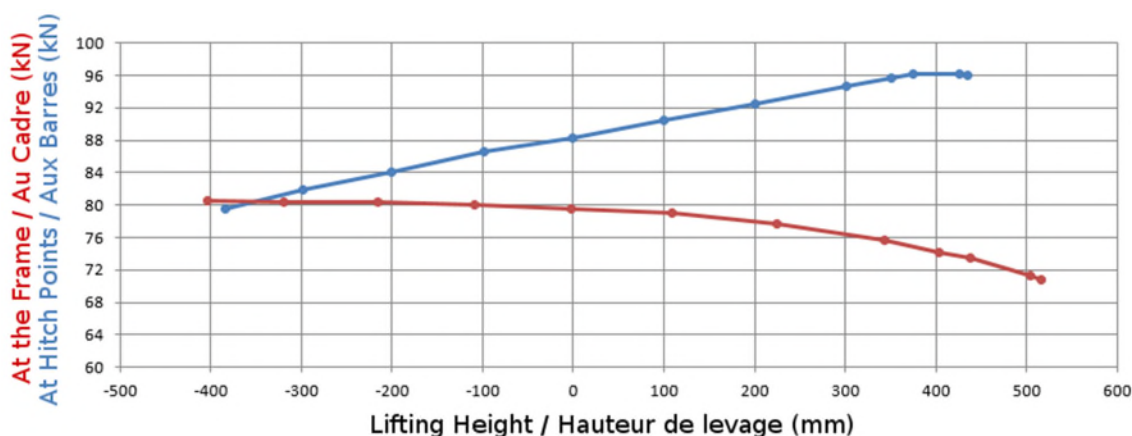
#### At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	129,5 l/min	15,79 MPa	34,1 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	220,7 l/min	19,12 MPa	70,3 kW

### POWER LIFT

#### Maximum lifting force

<i>at the hitch points</i>	79,5 kN
<i>at the frame</i>	70,7 kN

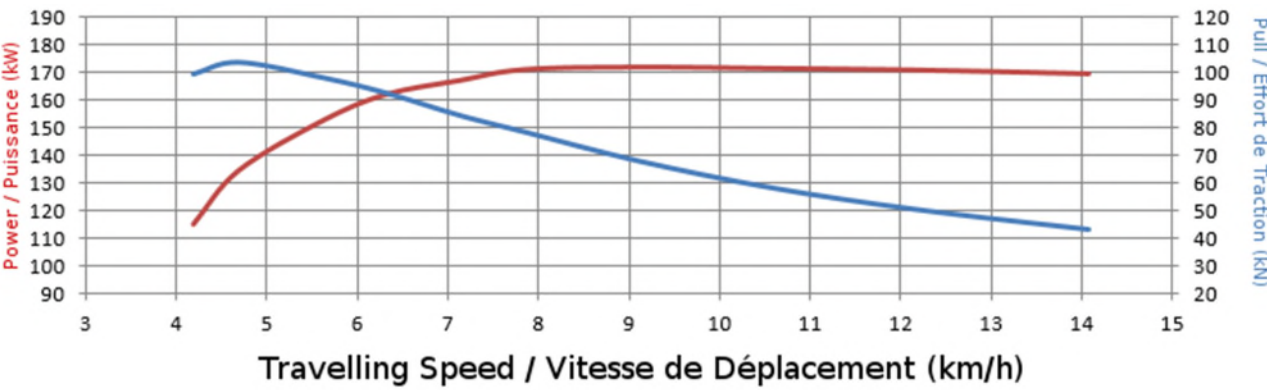


DRAWBAR TEST

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

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Total Mass	11006 kg
Maximum drawbar pull	103,63 kN
at speed of	4,68 km/h
Maximum power	171,99 kW
at speed of	9,11 km/h



BALLASTED

Not Applicable