

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 931</b>
<b>OECD Approval Date</b>	<b>15/02/2016</b>
<b>Make</b>	<b>John Deere</b>
<b>Model</b>	<b>9470RT</b>
<b>Type</b>	<b>Rubber Tracked</b>
<b>Transmission</b>	<b>Full 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 – USA</b>



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## SPECIFICATIONS

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### ENGINE

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<i>Make</i>	John Deere
<i>Model</i>	6135RW401
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	13548 cm <sup>3</sup>
<i>Cooling</i>	Liquid

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### TRANSMISSION

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<i>Gear box</i>	Full Powershift
<i>Number of forward and reverse speeds</i>	18 6
<i>Speed at rated engine speed</i>	from 4,04 to 39,77 km/h

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### POWER TAKE-OFF SPECIFICATIONS

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<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>		1108 min <sup>-1</sup>
<i>Diameter of the shaft</i>	<i>Not</i>	45 mm
<i>Number of splines</i>	<i>available</i>	20

## PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	264,24 kW	1679 min <sup>-1</sup>	886 min <sup>-1</sup>
Hourly and specific consumption		75,27 l/h	240 g/kWh
Hourly and specific urea consumption		1,27 l/h	5,2 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	232,56 kW	2099 min <sup>-1</sup>	1108 min <sup>-1</sup>
Hourly and specific consumption		77,33 l/h	280 g/kWh
Hourly and specific urea consumption		1,19 l/h	5,6 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	258,25 kW	1895 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		77,92 l/h	254 g/kWh
Hourly and specific urea consumption		1,15 l/h	4,8 g/kWh

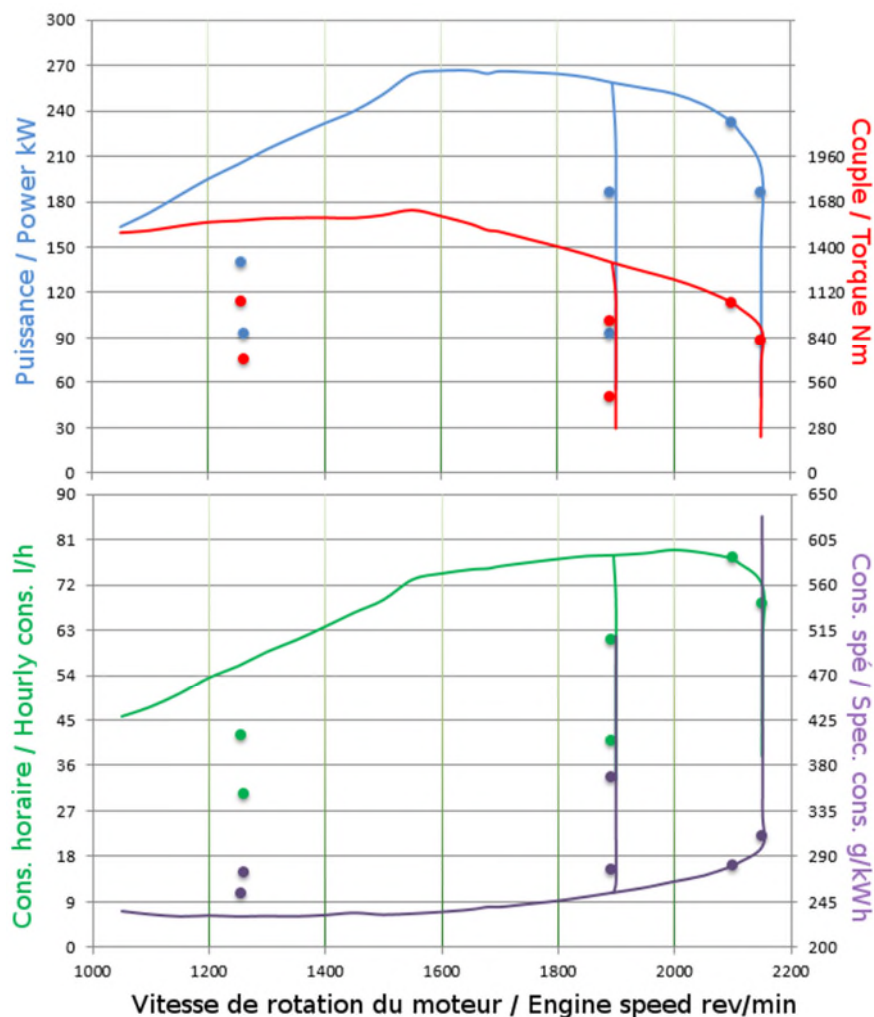
Torque rise

53,7 %

Maximum torque, Engine speed corresponding

1625,6 Nm

1550 min<sup>-1</sup>



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**PARTICULATE FILTER ACTIVE REGENERATION FUEL USE**


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	l	mm:ss
Rated Engine Speed	11,5	38:49
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	5,8	40:18
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	3,5	40:50

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**HYDRAULIC PERFORMANCE AND POWER LIFT TEST**


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Hydraulic system	Closed centre
Relief valve pressure setting (tolerance):	20,0 ± 0,5 MPa

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**HYDRAULIC PERFORMANCES**


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At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	134,7 l/min	15,01 MPa	33,7 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	231,8 l/min	15,39 MPa	59,5 kW

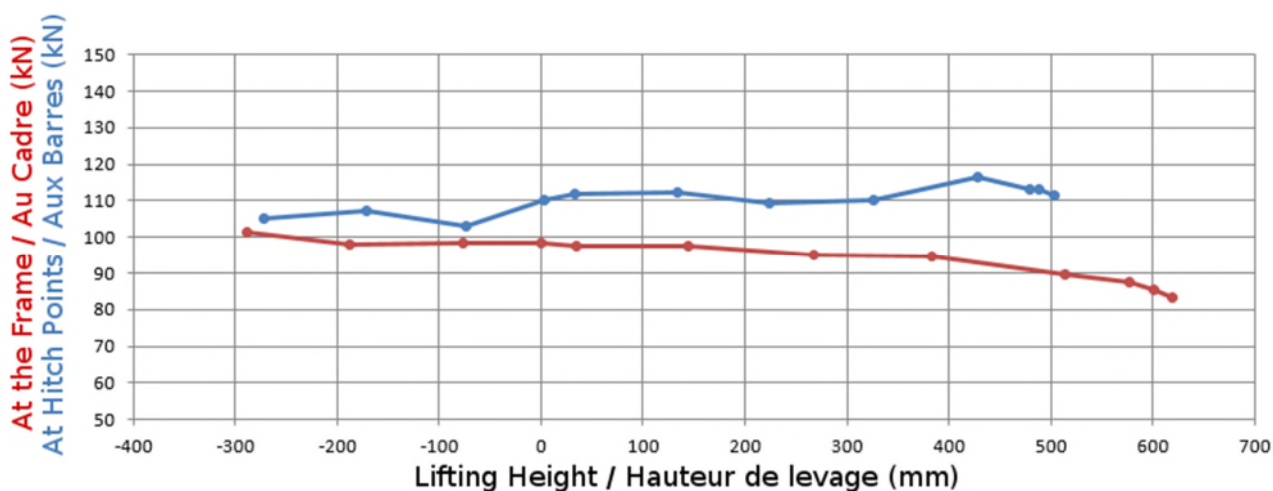
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**POWER LIFT**


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Maximum lifting force

<i>at the hitch points</i>	103,2 kN
<i>at the frame</i>	83,2 kN



## DRAWBAR TEST

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Front tyres, Rear tyres  
Inflation pressure

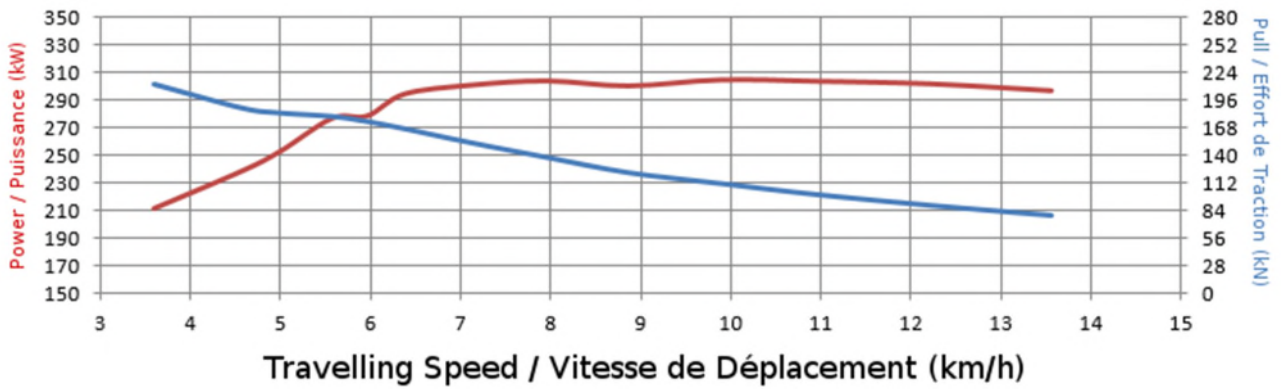
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### UNBALLASTED

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Total Mass	21319 kg
Maximum drawbar pull at speed of	211,35 kN 3,60 km/h
Maximum power at speed of	305,16 kW 9,90 km/h




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### BALLASTED

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*Not available*