

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/3 015</b>
<b>OECD Approval Date</b>	<b>18/01/2017</b>
<b>Make</b>	<b>JOHN DEERE</b>
<b>Model</b>	<b>9570R</b>
<b>Type</b>	<b>Articulated 4 WD with triple wheels</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 – U.S.A.</b>



## SPECIFICATIONS

### ENGINE

<i>Make</i>	Cummins
<i>Model</i>	QSX15
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	in line
<i>Capacity</i>	14948 cm <sup>3</sup>
<i>Cooling</i>	Liquid

### TRANSMISSION

<i>Gear box</i>	Full PowerShift
<i>Number of forward and reverse speeds</i>	18 6
<i>Speed at rated engine speed</i>	from 3,81 to 37,78 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>		1108 min <sup>-1</sup>
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

## PTO TEST RESULTS

### One hour test at maximum power

Power, Engine and Power take-off speed	270,80 kW	1702 min <sup>-1</sup>	898 min <sup>-1</sup>
Hourly and specific consumption		75,10 l/h	233 g/kWh
Hourly and specific urea consumption		4,06 l/h	16,3 g/kWh

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	233,59 kW	2103 min <sup>-1</sup>	1110 min <sup>-1</sup>
Hourly and specific consumption		73,87 l/h	265 g/kWh
Hourly and specific urea consumption		3,76 l/h	17,5 g/kWh

### Test at standard Power take-off speed

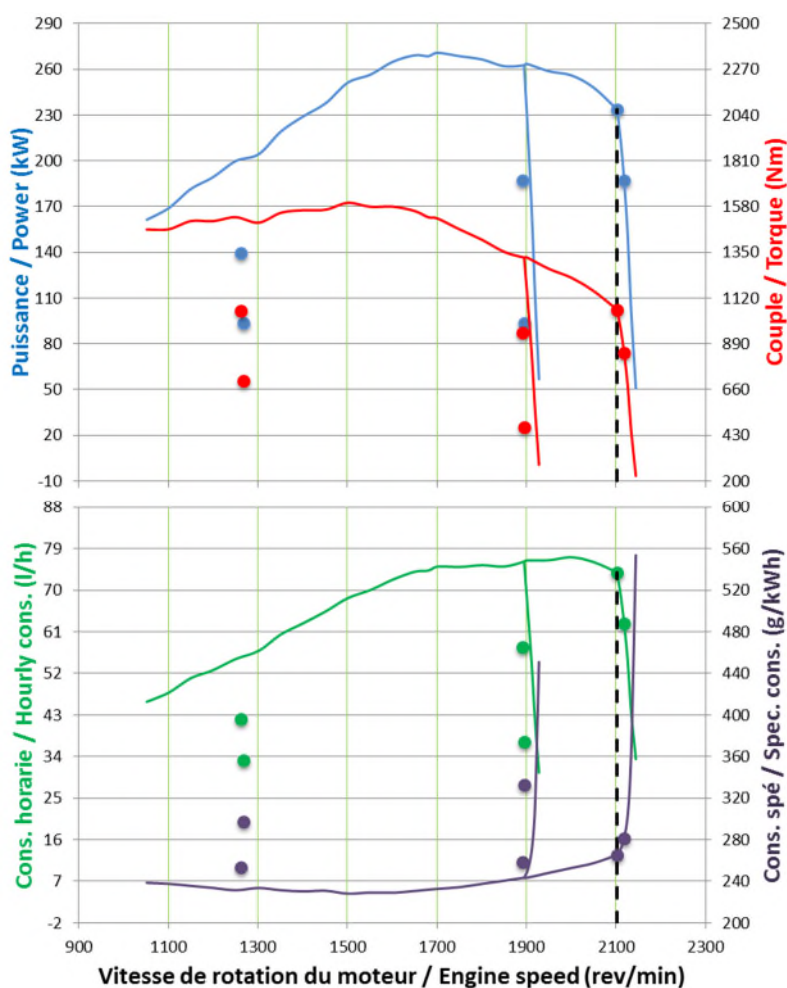
Power, Engine and Power take-off speed	262,63 kW	1895 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		76,20 l/h	243 g/kWh
Hourly and specific urea consumption		3,84 l/h	15,9 g/kWh

### Torque rise

50,7 %

### Maximum torque, Engine speed corresponding

1598,6 Nm

1501 min<sup>-1</sup>

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## PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

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	kg	mm:ss
Rated Engine Speed	2,35	30:00
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	3,19	30:00
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	-	-

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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)	136,8 l/min	15,17 MPa	34,6 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	234,2 l/min	17,12 MPa	66,8 kW

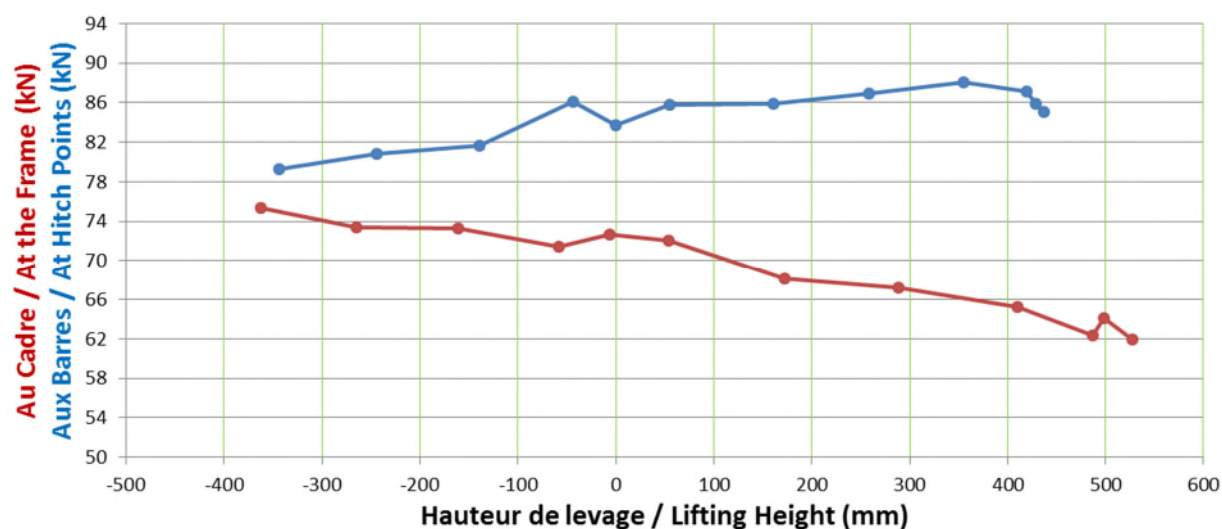
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### POWER LIFT

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#### Maximum lifting force

at the hitch points	79,3 kN
at the frame	61,9 kN

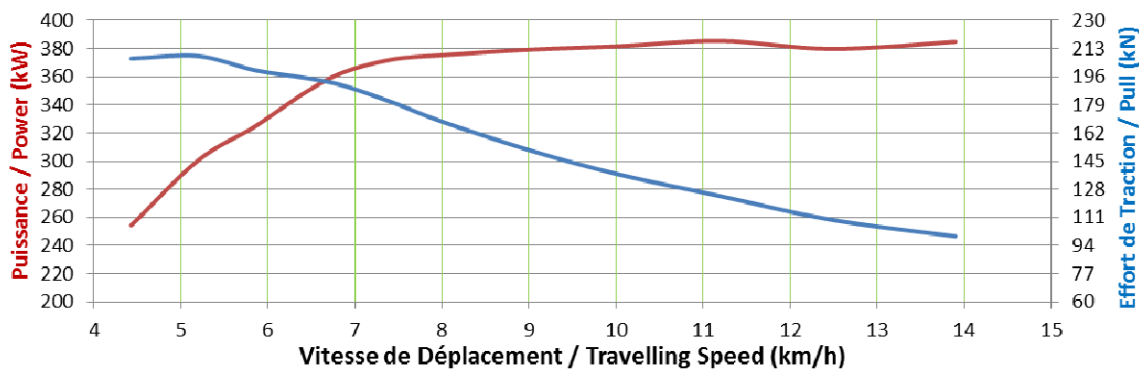


DRAWBAR TEST

Front tyres, Rear tyres	480/80R46	480/80R46
Inflation pressure	83 kPa	110 kPa

UNBALLASTED

Total Mass	21795 kg
Maximum drawbar pull	208,45 kN
at speed of	5,20 km/h
Maximum power	385,44 kW
at speed of	11,20 km/h



BALLASTED

Total Mass	25909 kg
Maximum drawbar pull	253,90 kN
at speed of	4,74 km/h
Maximum power	390,42 kW
at speed of	13,92 km/h

