

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 017
OECD Approval Date	18/01/2017
Make	JOHN DEERE
Model	9620R
Type	Articulated 4 WD with triple wheels
Transmission	Full PowerShift
Speed	40 km/h
Manufacturer	John Deere Tractor Works
Testing Station	NTTL – U.S.A.



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 ³
<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⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1108 min ⁻¹
<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	272,73 kW	1701 min ⁻¹	898 min ⁻¹
Hourly and specific consumption		74,62 l/h	230 g/kWh
Hourly and specific urea consumption		2,95 l/h	11,7 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	240,59 kW	2101 min ⁻¹	1109 min ⁻¹
Hourly and specific consumption		74,49 l/h	260 g/kWh
Hourly and specific urea consumption		2,74 l/h	12,3 g/kWh

Test at standard Power take-off speed

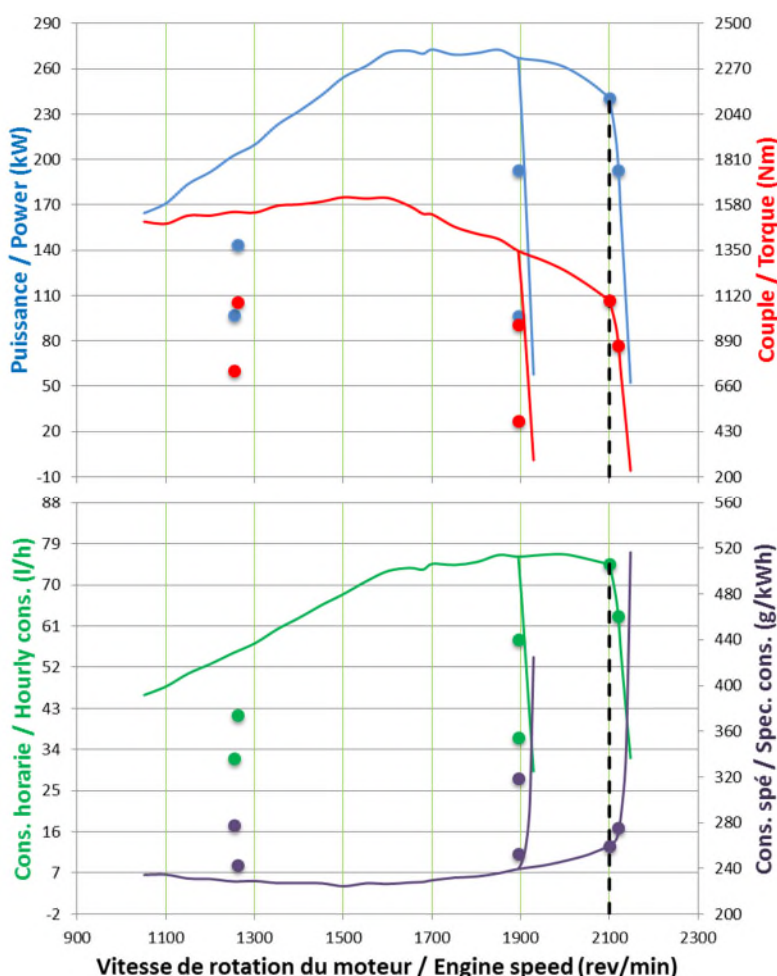
Power, Engine and Power take-off speed	267,13 kW	1895 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		76,20 l/h	239 g/kWh
Hourly and specific urea consumption		2,92 l/h	11,8 g/kWh

Torque rise

48,0 %

Maximum torque, Engine speed corresponding

1618,6 Nm

1501 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	kg	mm:ss
Rated Engine Speed	2,68	30:00
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	3,10	30:00
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	-	-

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

HYDRAULIC PERFORMANCES

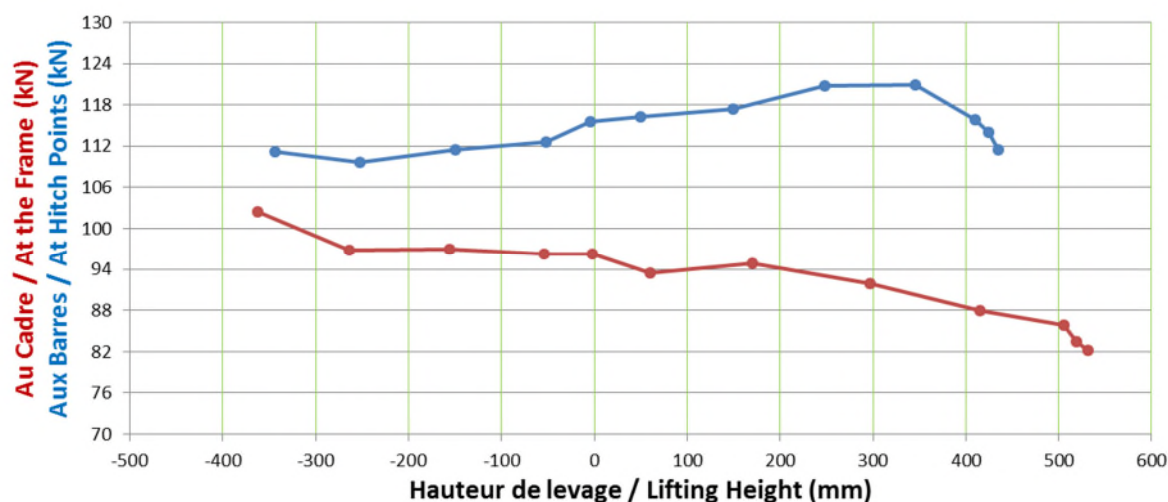
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	132,9 l/min	16,20 MPa	35,9 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	230,9 l/min	17,82 MPa	68,6 kW

POWER LIFT

Maximum lifting force

<i>at the hitch points</i>	109,7 kN
<i>at the frame</i>	82,2 kN



DRAWBAR TEST

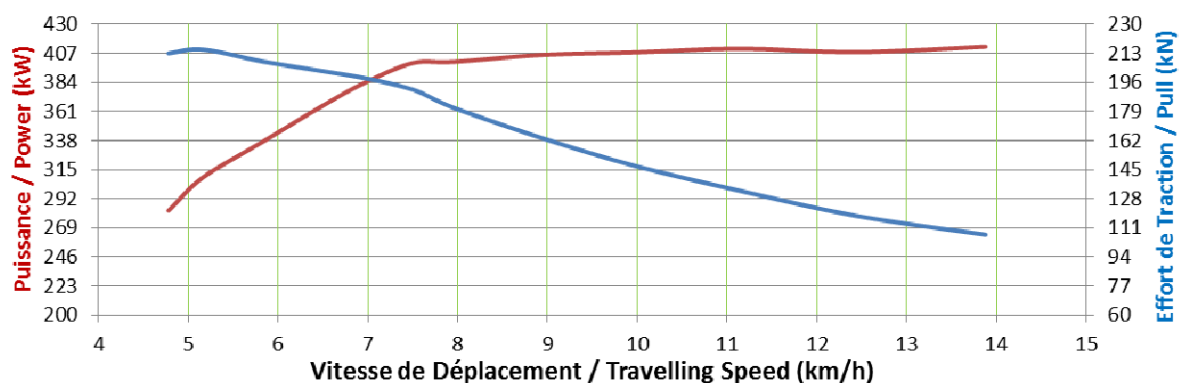
Front tyres, Rear tyres
Inflation pressure

480/80R46
110 kPa

480/80R46
83 kPa

UNBALLASTED

Total Mass	21729 kg
Maximum drawbar pull	215,24 kN
at speed of	5,16 km/h
Maximum power	412,29 kW
at speed of	13,88 km/h



BALLASTED

Total Mass	27140 kg
Maximum drawbar pull	268,91 kN
at speed of	4,56 km/h
Maximum power	415,22 kW
at speed of	13,96 km/h

