

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 924
OECD Approval Date	29/01/2016
Make	John Deere
Model	9470R
Type	4WD 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>	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 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	276,52 kW	1700 min ⁻¹	897 min ⁻¹
Hourly and specific consumption		76,09 l/h	232 g/kWh
Hourly and specific urea consumption		1,35 l/h	5,3 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	249,73 kW	2099 min ⁻¹	1108 min ⁻¹
Hourly and specific consumption		77,91 l/h	263 g/kWh
Hourly and specific urea consumption		1,39 l/h	6,0 g/kWh-

Test at standard Power take-off speed

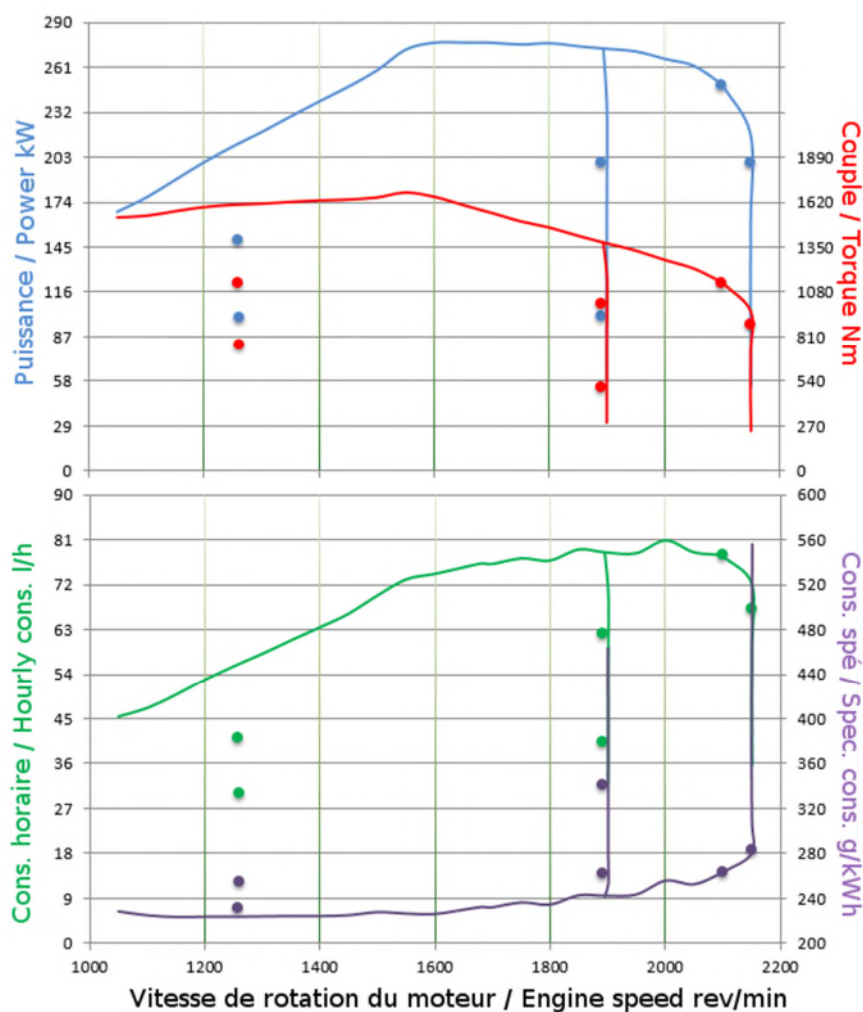
Power, Engine and Power take-off speed	272,74 kW	1895 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		78,43 l/h	242 g/kWh
Hourly and specific urea consumption		1,23 l/h	4,9 g/kWh-

Torque rise

47,5 %

Maximum torque, Engine speed corresponding

1676,1 Nm

1550 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	11,0	39:04
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	4,6	34:23
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	4,5	41:18

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

HYDRAULIC PERFORMANCES

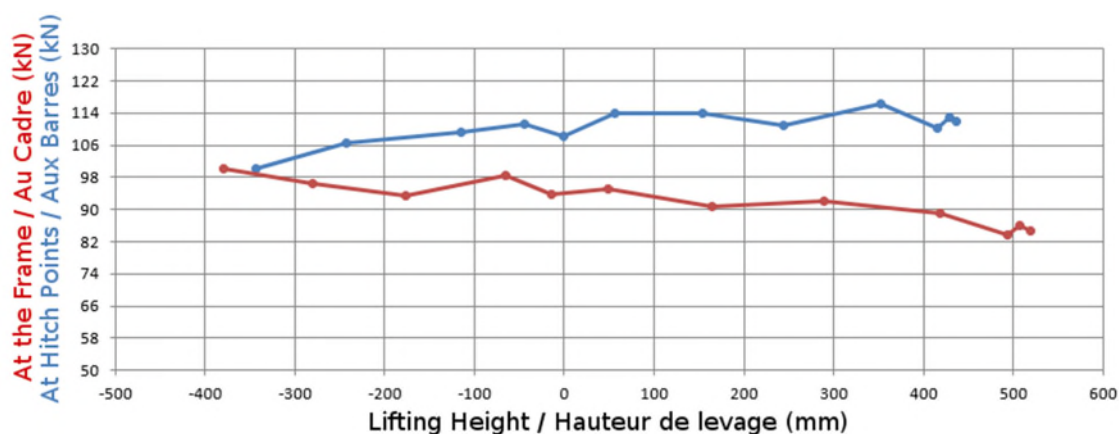
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	135,1 l/min	14,90 MPa	33,6 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	228,8 l/min	16,73 MPa	63,8 kW

POWER LIFT

Maximum lifting force

at the hitch points	100,3 kN
at the frame	83,8 kN

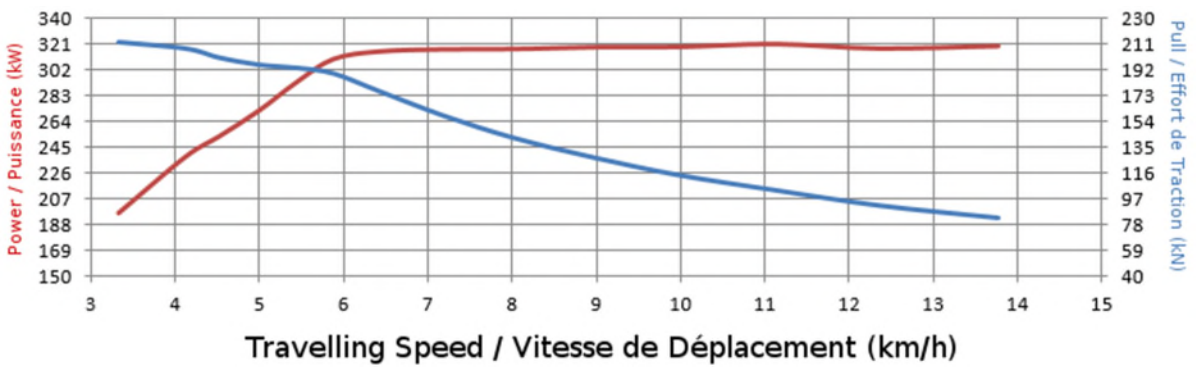


DRAWBAR TEST

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

UNBALLASTED

Total Mass	20695 kg
Maximum drawbar pull	212,84 kN
at speed of	3,33 km/h
Maximum power	321,13 kW
at speed of	11,13 km/h



BALLASTED

Total Mass	24074 kg
Maximum drawbar pull	244,10 kN
at speed of	3,26 km/h
Maximum power	322,32 kW
at speed of	11,14 km/h

