

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 923
OECD Approval Date	27/01/2016
Make	John Deere
Model	9520R
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	273,91 kW	1599 min ⁻¹	844 min ⁻¹
Hourly and specific consumption		75,09 l/h	231 g/kWh
Hourly and specific urea consumption		1,29 l/h	5,1 g/kWh-

Test at maximum power at rated engine speed

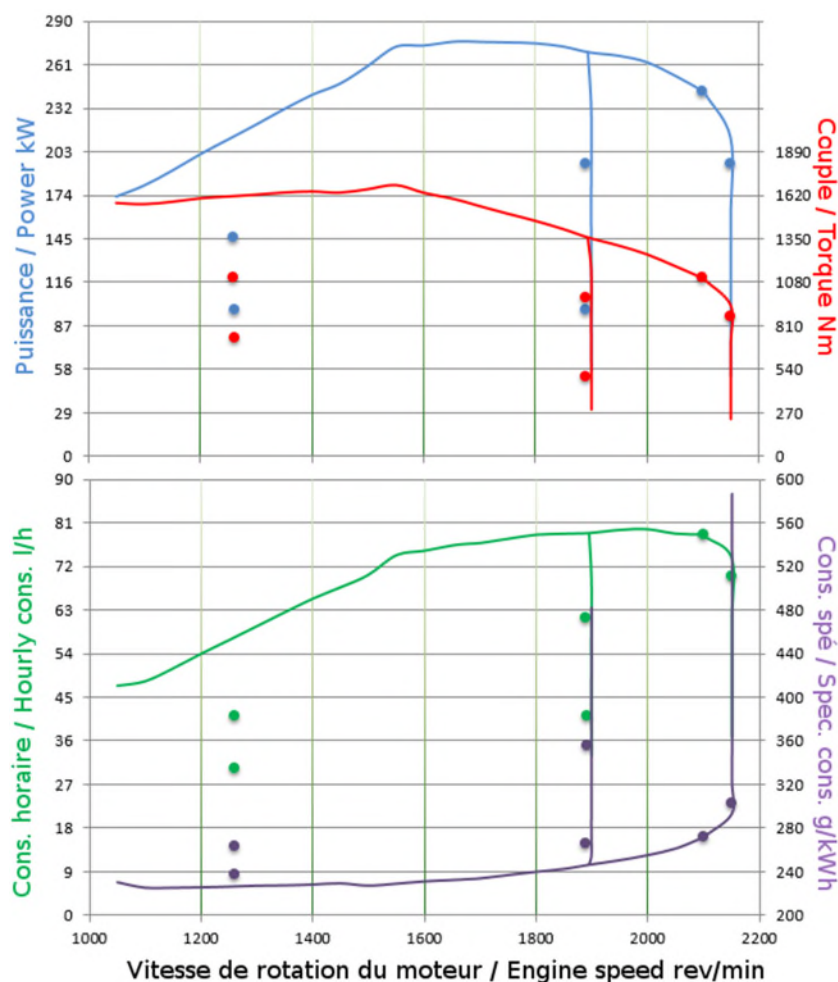
Power, Engine and Power take-off speed	243,42 kW	2099 min ⁻¹	1108 min ⁻¹
Hourly and specific consumption		78,45 l/h	272 g/kWh
Hourly and specific urea consumption		1,37 l/h	6,1 g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	269,41 kW	1895 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		78,77 l/h	246 g/kWh
Hourly and specific urea consumption		1,29 l/h	5,2 g/kWh-

Torque rise

			52,0 %
<u>Maximum torque, Engine speed corresponding</u>	1682,7 Nm	1550 min ⁻¹	



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	10,8	39:12
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	5,2	40:03
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	4,7	46:04

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

HYDRAULIC PERFORMANCES

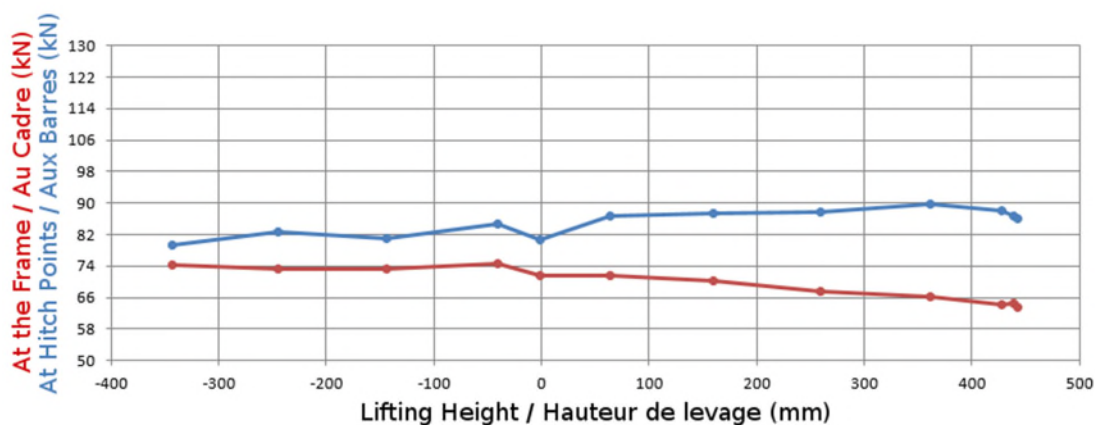
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	136,4 l/min	15,28 MPa	34,8 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	225,1 l/min	17,55 MPa	65,9 kW

POWER LIFT

Maximum lifting force

at the hitch points	79,3 kN
at the frame	63,5 kN

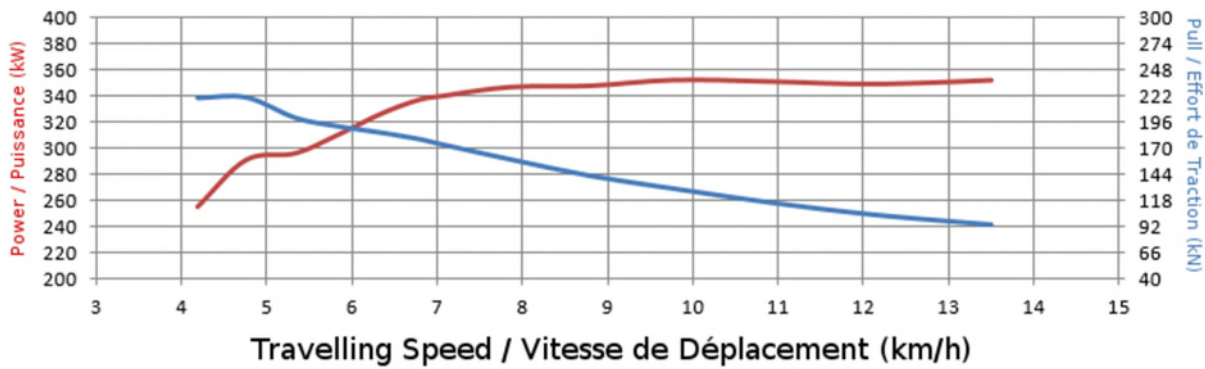


DRAWBAR TEST

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

UNBALLASTED

Total Mass	21495 kg
Maximum drawbar pull	220,69 kN
at speed of	4,75 km/h
Maximum power	352,30 kW
at speed of	9,77 km/h



BALLASTED

Total Mass	24873 kg
Maximum drawbar pull	250,63 kN
at speed of	4,07 km/h
Maximum power	350,9 kW
at speed of	13,52 km/h

