

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 987
OECD Approval Date	27/10/2016
Make	John Deere
Model	6175R
Type	4 WD
Transmission	AutoQuad
Speed	40 km/h
Manufacturer	John Deere Tractor Works
Testing Station	NTTL – USA



SPECIFICATIONS

ENGINE

<i>Make</i>	John Deere
<i>Model</i>	6068RW423
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	in line
<i>Capacity</i>	6788 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	AutoQuad
<i>Number of forward and reverse speeds</i>	20
<i>Speed at rated engine speed</i>	from 2,80 to 42,00 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>	579 min ⁻¹	1071 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	130,44 kW	1701 min ⁻¹	868 min ⁻¹
Hourly and specific consumption		36,32 l/h	234 g/kWh
Hourly and specific urea consumption		0,79 l/h	6,6 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	107,31 kW	2100 min ⁻¹	1072 min ⁻¹
Hourly and specific consumption		33,39 l/h	261 g/kWh
Hourly and specific urea consumption		0,64 l/h	6,5 g/kWh

Test at standard Power take-off speed

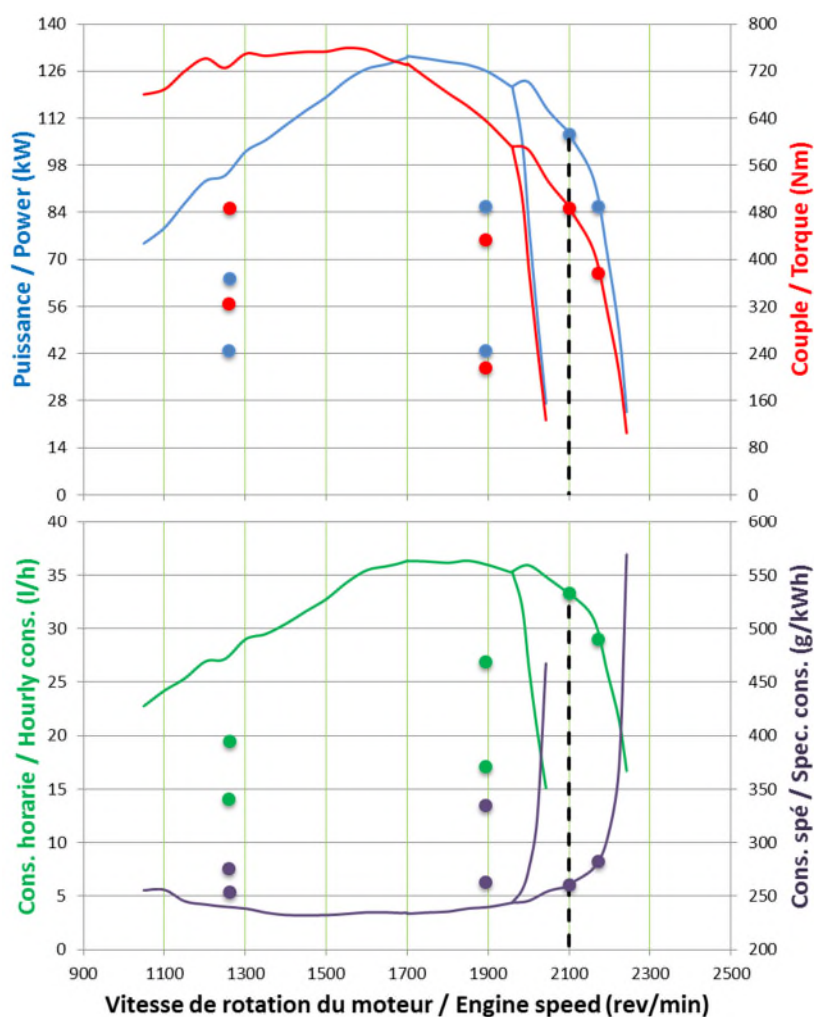
Power, Engine and Power take-off speed	121,48 kW	1959 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		35,33 l/h	244 g/kWh
Hourly and specific urea consumption		0,92 l/h	8.3 g/kWh

Torque rise

55,7 %

Maximum torque, Engine speed corresponding

759 Nm

1550 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	5.6	34:52
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	4.3	36:26
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	2.4	36:25

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system	closed centre
Relief valve pressure setting (tolerance):	20,4 ± 0,3 MPa

HYDRAULIC PERFORMANCES

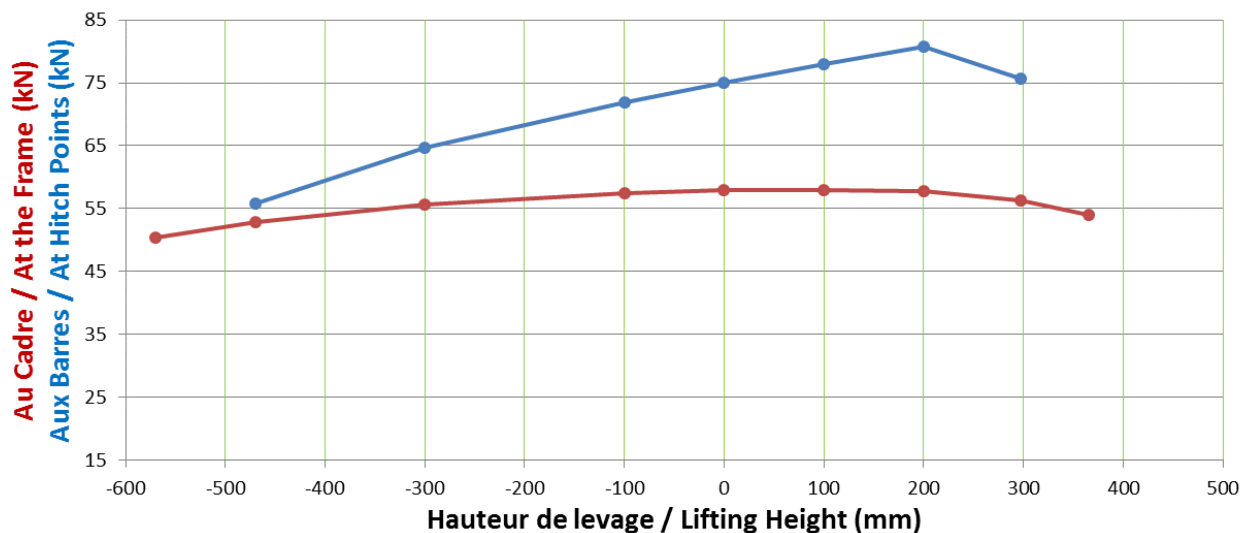
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	115,9 l/min	14,55 MPa	28,1 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	152,0 l/min	16,98 MPa	43,0 kW

POWER LIFT

Maximum lifting force

at the hitch points	55,8 kN
at the frame	50,3 kN

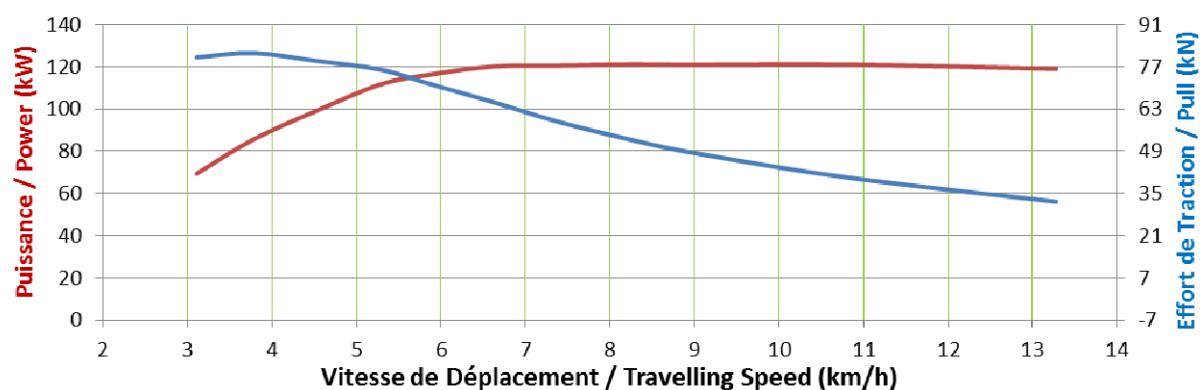


DRAWBAR TEST

Front tyres, Rear tyres	420/90R30	480/80R46
Inflation pressure	83 kPa	83 kPa

UNBALLASTED

Total Mass	8391 kg
Maximum drawbar pull at speed of	81,5 kN 3,78 km/h
Maximum power at speed of	121,0 kW 8,22 km/h



BALLASTED

Not applicable