

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 000
OECD Approval Date	18/11/2016
Make	John Deere
Model	6155R
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>	6068RW429
<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 2,57 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>	571 min ⁻¹	1045 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	113,09 kW	1700 min ⁻¹	846 min ⁻¹
Hourly and specific consumption		32,69 l/h	243 g/kWh
Hourly and specific urea consumption		0,80 l/h	7,7 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	97,02 kW	2100 min ⁻¹	1045 min ⁻¹
Hourly and specific consumption		31,49 l/h	273 g/kWh
Hourly and specific urea consumption		0,62 l/h	7,0 g/kWh

Test at standard Power take-off speed

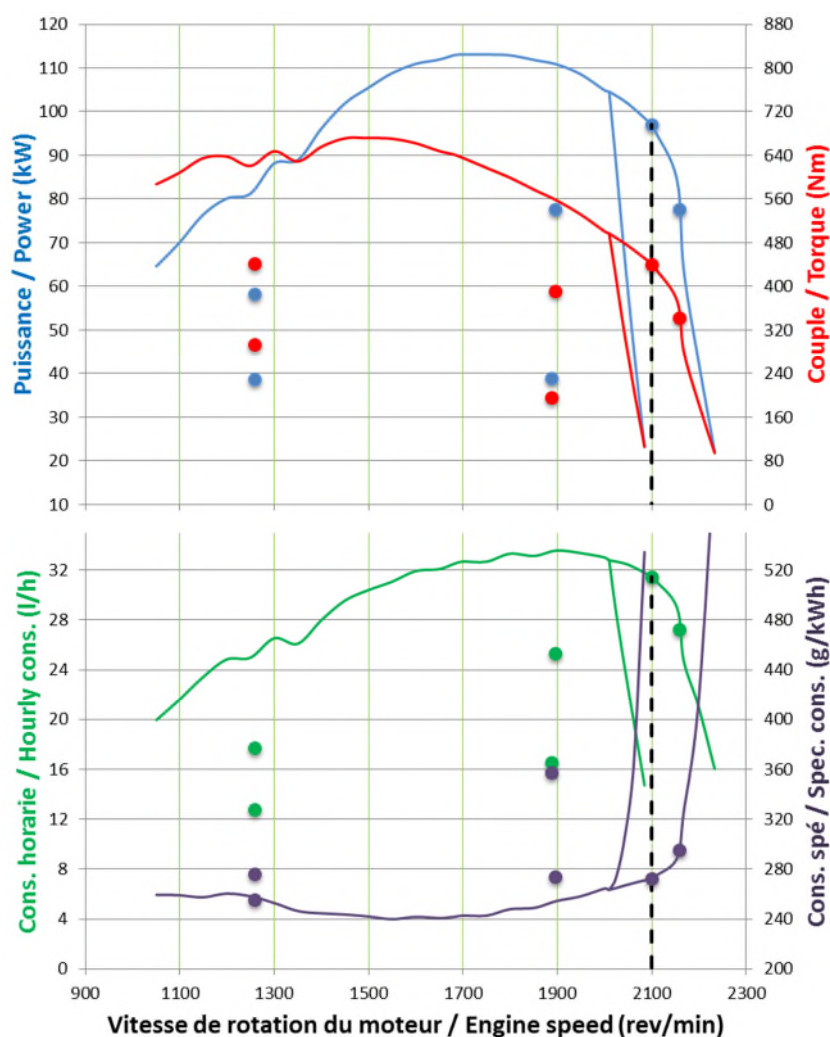
Power, Engine and Power take-off speed	104,56 kW	2010 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		32,81 l/h	263 g/kWh
Hourly and specific urea consumption		0,57 l/h	6,0 g/kWh

Torque rise

52,2 %

Maximum torque, Engine speed corresponding

672 Nm

1499 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	2.8	34:55
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	3.4	35:10
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	2.2	36:23

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

HYDRAULIC PERFORMANCES

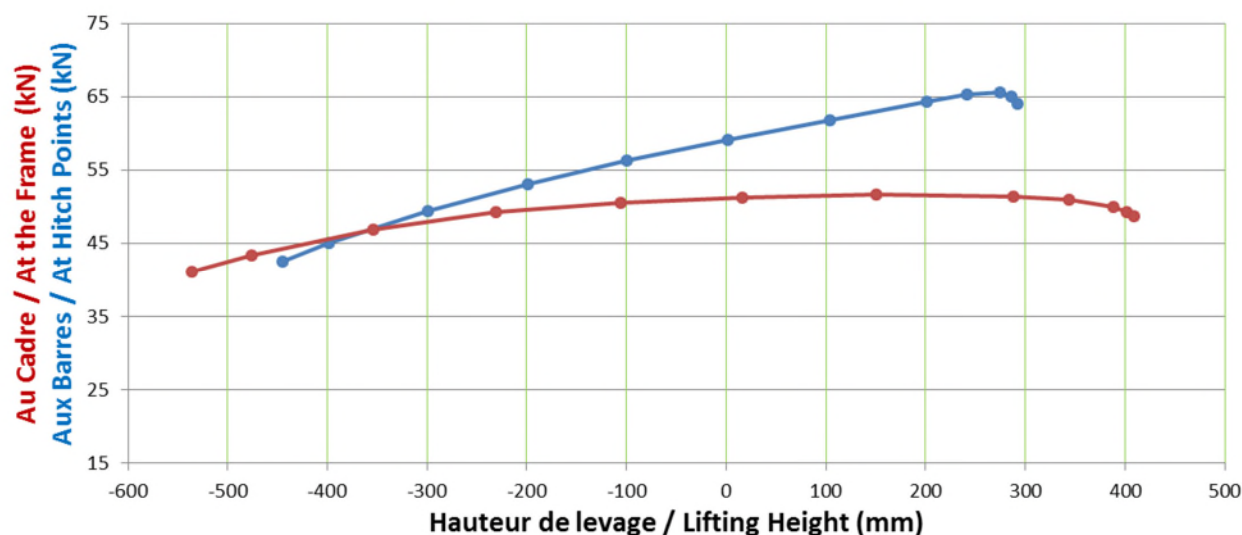
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	115,3 l/min	15,36 MPa	29,5 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	109,1 l/min	18,94 MPa	34,4 kW

POWER LIFT

Maximum lifting force

at the hitch points	42,5 kN
at the frame	41,1 kN

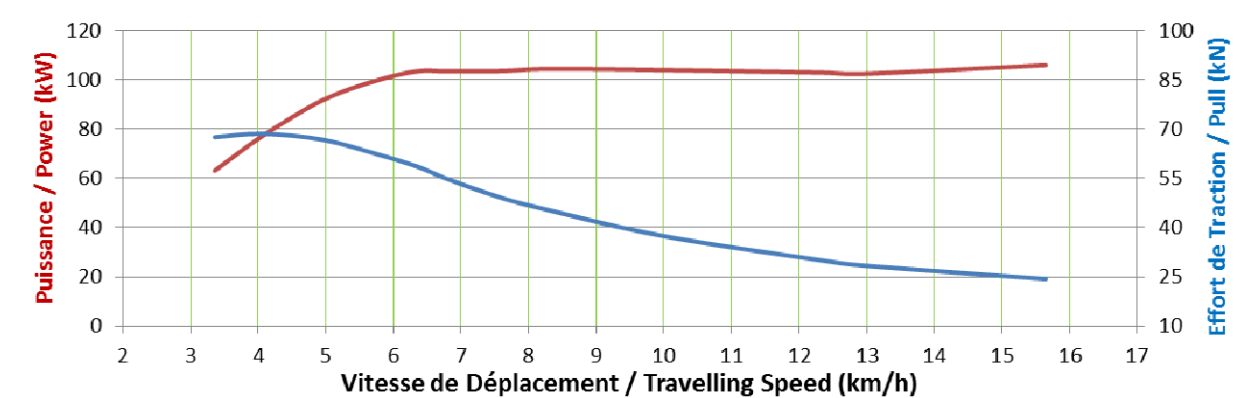


DRAWBAR TEST

Front tyres, Rear tyres	420/85R28	480/80R42
Inflation pressure	83 kPa	97 kPa

UNBALLASTED

Total Mass	6958 kg
Maximum drawbar pull	68,54 kN
at speed of	4,06 km/h
Maximum power	104,36 kW
at speed of	8,30 km/h



BALLASTED

Not applicable