

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 917
OECD Approval Date	14/01/2016
Make	John Deere
Model	6215R
Type	4WD with dual rear wheels
Transmission	Auto Quad
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>	6068RW424
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	6788 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Auto-Quad
<i>Number of forward and reverse speeds</i>	20
<i>Speed at rated engine speed</i>	from 2,80 to 42 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	45 mm
<i>Number of splines</i>	6	20

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	153,41 kW	1800 min ⁻¹	919 min ⁻¹
Hourly and specific consumption		42,77 l/h	234 g/kWh
Hourly and specific urea consumption		1,33 l/h	9,5 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	135,02 kW	2102 min ⁻¹	1073 min ⁻¹
Hourly and specific consumption		39,69 l/h	247 g/kWh
Hourly and specific urea consumption		1,30 l/h	10,5 g/kWh-

Test at standard Power take-off speed

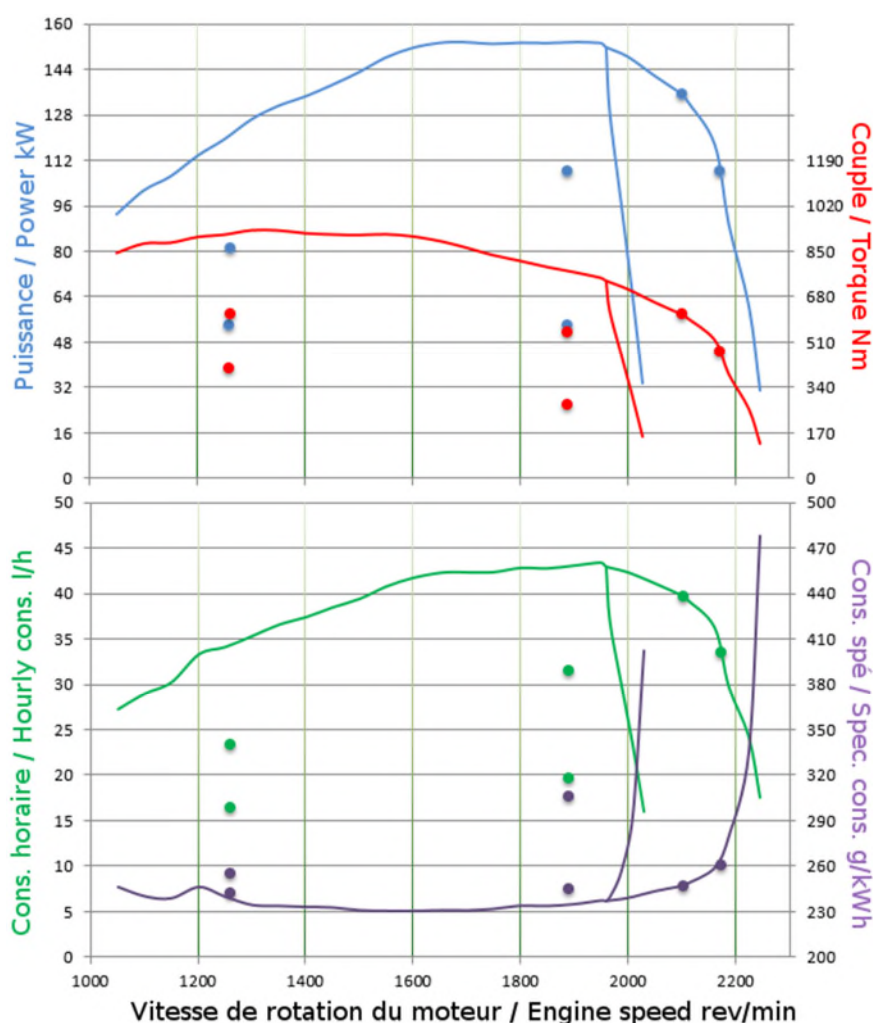
Power, Engine and Power take-off speed	151,84 kW	1959 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		42,90 l/h	237 g/kWh
Hourly and specific urea consumption		1,37 l/h	9,8 g/kWh-

Torque rise

51,2 %

Maximum torque, Engine speed corresponding

927,47 Nm

1301 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	4,9	34:12
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	3,7	35:17
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	2,5	36:08

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system	Closed centre
Relief valve pressure setting (tolerance):	19,9 ± 0,4 MPa

HYDRAULIC PERFORMANCES

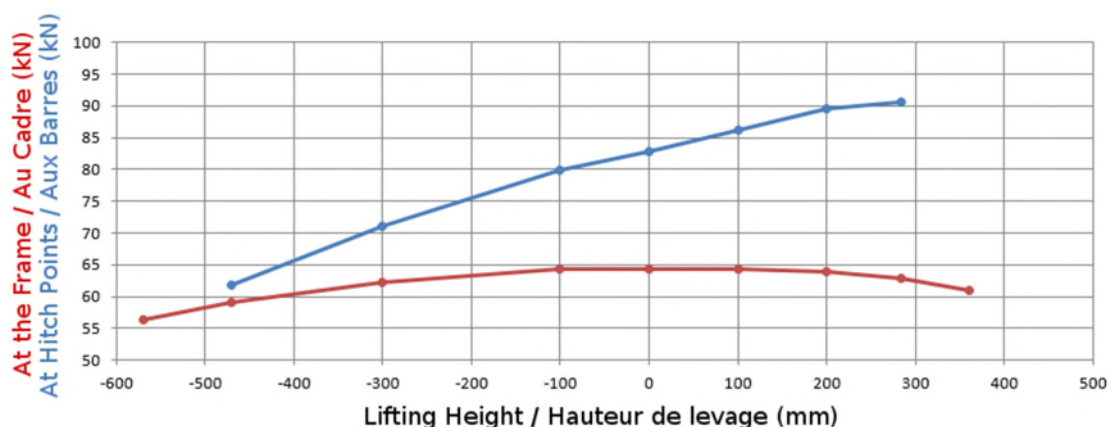
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	114,7 l/min	15,14 MPa	28,9 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	149,3 l/min	17,22 MPa	42,9 kW

POWER LIFT

Maximum lifting force

at the hitch points	61,9 kN
at the frame	56,3 kN

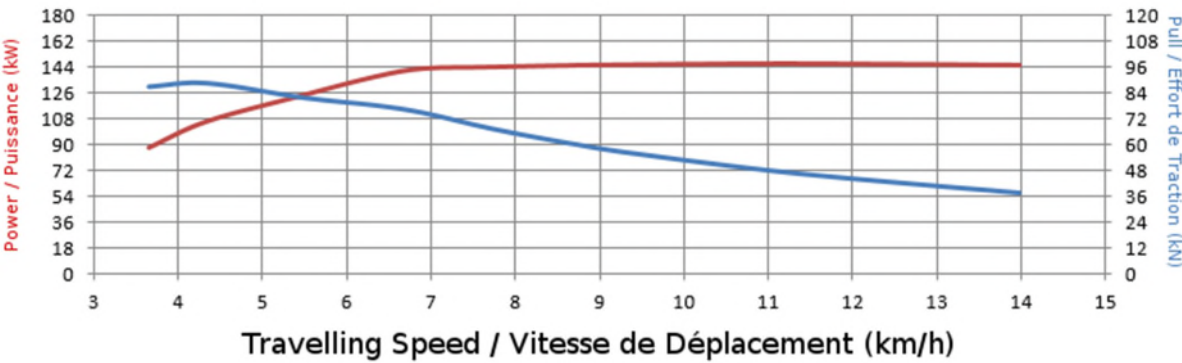


DRAWBAR TEST

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

UNBALLASTED

Total Mass	8498 kg
Maximum drawbar pull	88,49 kN
at speed of	4,35 km/h
Maximum power	146,79 kW
at speed of	11,35 km/h



BALLASTED

Total Mass	10800 kg
Maximum drawbar pull	110,89 kN
at speed of	3,56 km/h
Maximum power	145,85 kW
at speed of	7,79 km/h

