

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 921
OECD Approval Date	27/01/2016
Make	John Deere
Model	6195R
Type	4WD with dual rear wheels
Transmission	AutoQuad Plus
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 Plus
<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	141,11 kW	1750 min ⁻¹	893 min ⁻¹
Hourly and specific consumption		39,08 l/h	233 g/kWh
Hourly and specific urea consumption		1,32 l/h	10,2 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	122,71 kW	2100 min ⁻¹	1072 min ⁻¹
Hourly and specific consumption		36,65 l/h	251 g/kWh
Hourly and specific urea consumption		1,22 l/h	10,8 g/kWh-

Test at standard Power take-off speed

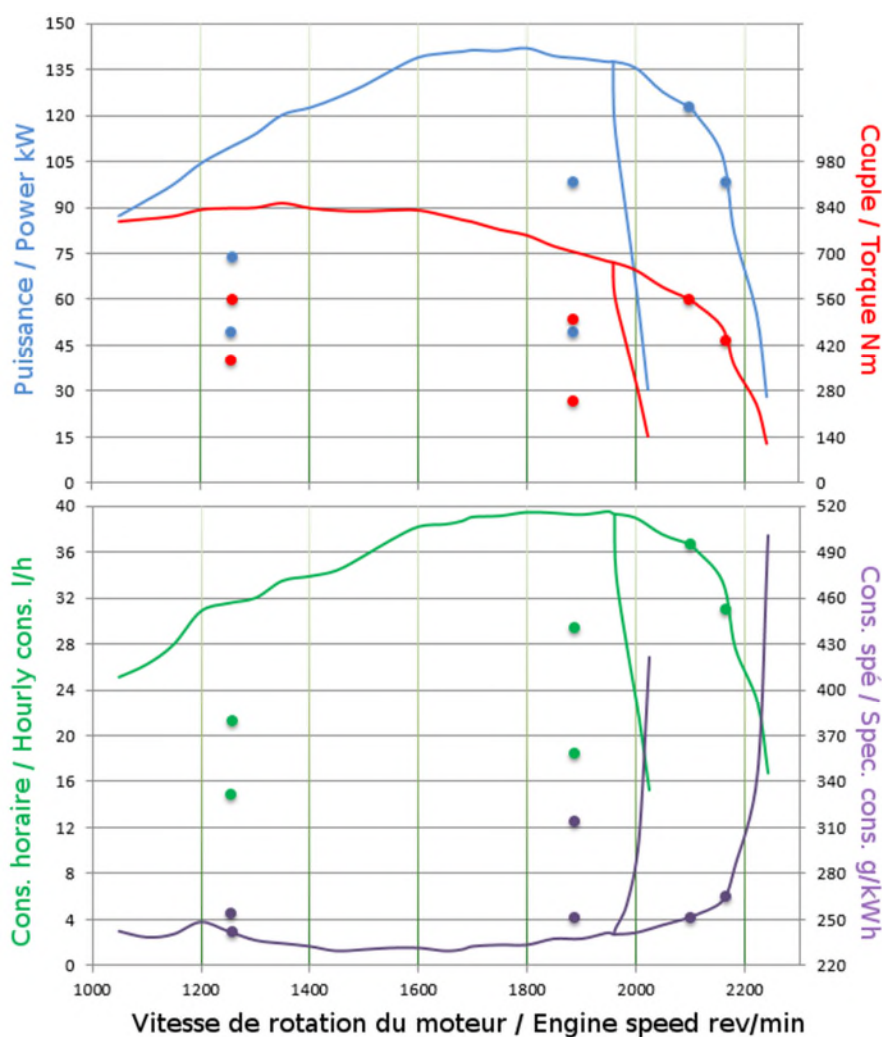
Power, Engine and Power take-off speed	137,59 kW	1959 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		39,27 l/h	240 g/kWh
Hourly and specific urea consumption		1,25 l/h	9,9 g/kWh-

Torque rise

52,6 %

Maximum torque, Engine speed corresponding

851,1 Nm

1350 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	4,8	34:15
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	3,9	36:25
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	2,7	36:21

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)	123,8 l/min	14,45 MPa	29,8 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	153,7 l/min	16,43 MPa	42,1 kW

POWER LIFT

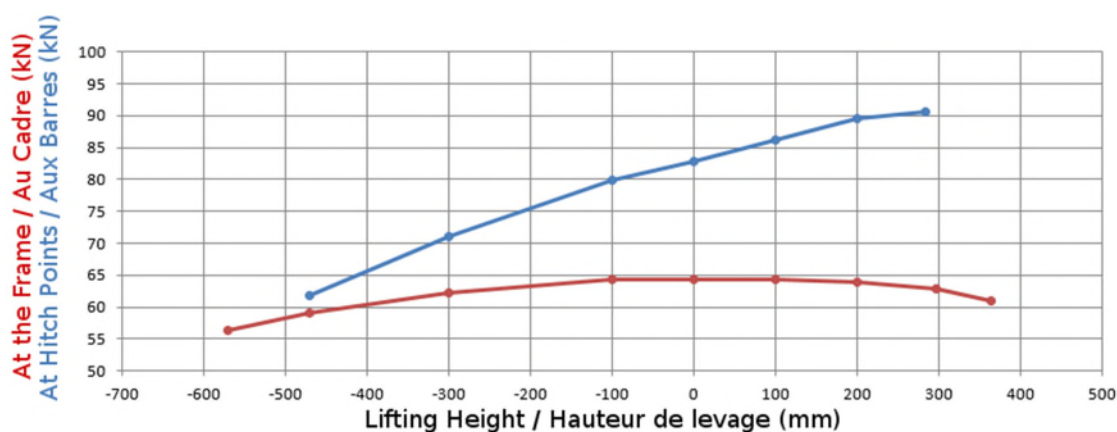
Maximum lifting force

at the hitch points

61,9 kN

at the frame

56,3 kN

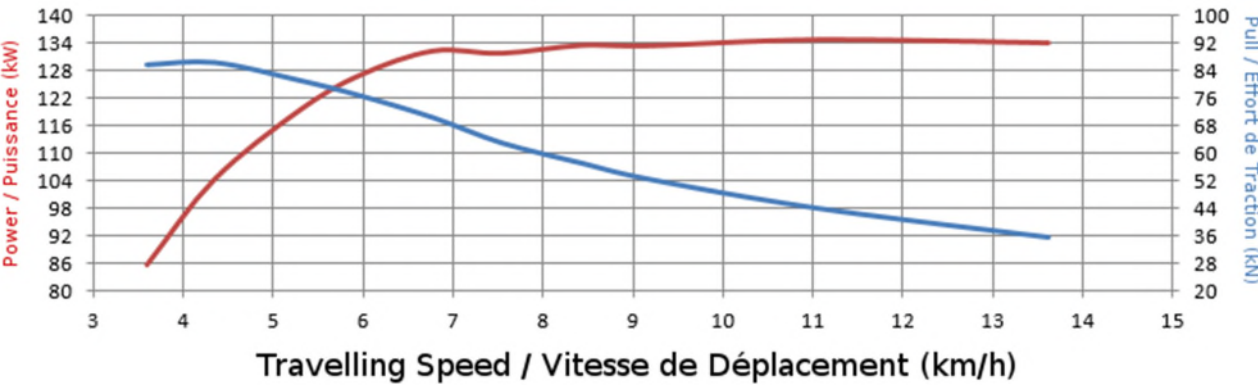


DRAWBAR TEST

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

UNBALLASTED

Total Mass	8419 kg
Maximum drawbar pull	86,22 kN
at speed of	4,35 km/h
Maximum power	134,65 kW
at speed of	11,05 km/h



BALLASTED

Not Applicable