

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 934
OECD Approval Date	02/03/2016
Make	John Deere
Model	5115M
Type	4WD with single rear wheels
Transmission	PowrReverser
Speed	30 km/h
Manufacturer	John Deere Commercial Products Inc.
Testing Station	NTTL – U.S.A.



SPECIFICATIONS

ENGINE

<i>Make</i>	John Deere
<i>Model</i>	4045HLV72
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	vertical in line
<i>Capacity</i>	4525 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>		PowrReverser
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 1,95	to 32,94 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>	566 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	Not
<i>Number of splines</i>	6	Available

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	79,10 kW	1902 min ⁻¹	489 min ⁻¹
Hourly and specific consumption		22,08 l/h	235 g/kWh
Hourly and specific urea consumption		1,13 l/h	15,5 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	74,88 kW	2201 min ⁻¹	566 min ⁻¹
Hourly and specific consumption		22,75 l/h	256 g/kWh
Hourly and specific urea consumption		1,04 l/h	15,1 g/kWh-

Test at standard Power take-off speed

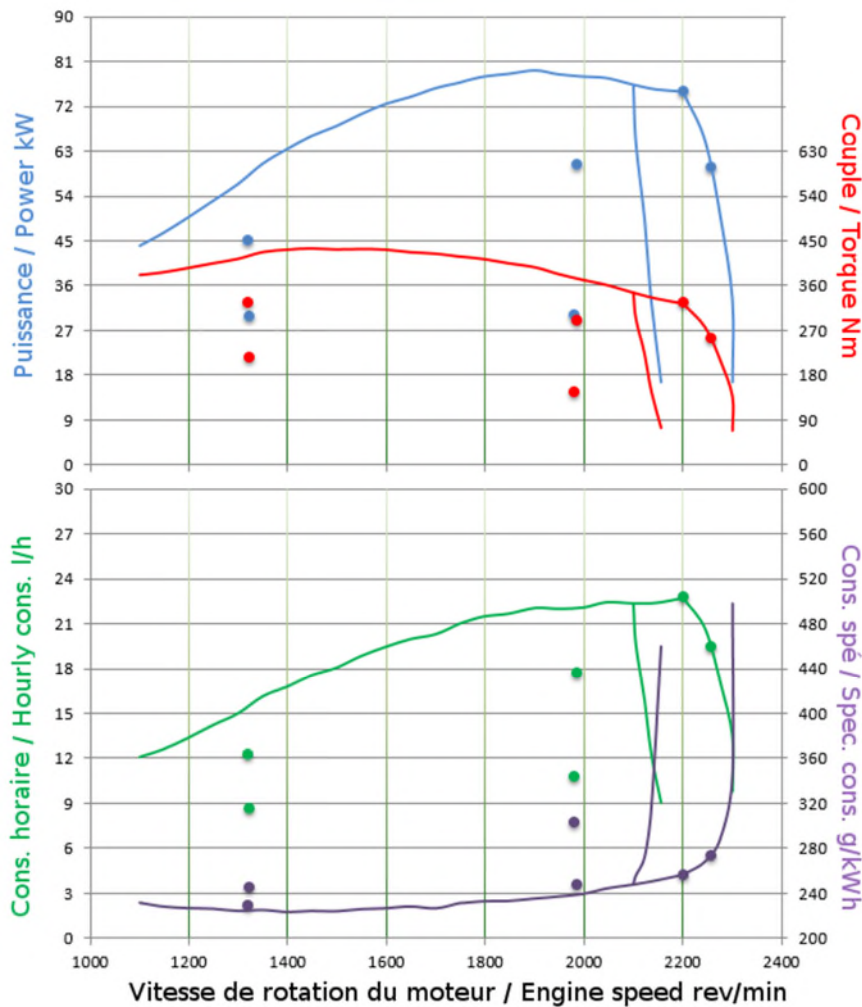
Power, Engine and Power take-off speed	76,25 kW	2100 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		22,39 l/h	247 g/kWh
Hourly and specific urea consumption		1,07 l/h	15,2 g/kWh-

Torque rise

33,9 %

Maximum torque, Engine speed corresponding

435, Nm 1447 min⁻¹



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

	l	mm:ss
Rated Engine Speed	2,1	23:49
40% of maximum power at rated engine speed with throttle set to 90% of rated engine speed	1,9	25:33
60% of maximum power at rated engine speed with throttle set to 60% of rated engine speed	1,1	24:02

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system	Open centre
Relief valve pressure setting (tolerance):	19,5 ± 0,5 MPa

HYDRAULIC PERFORMANCES

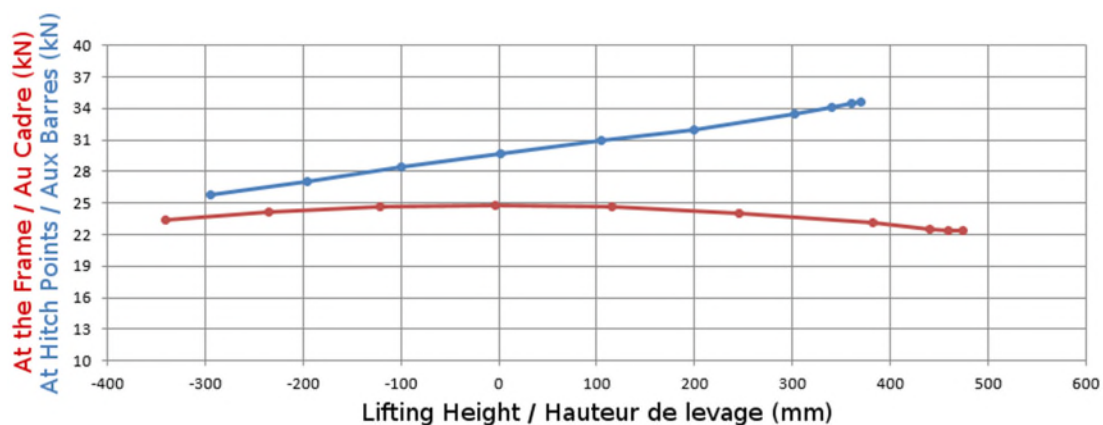
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	67,5 l/min	16,10 MPa	18,1 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	68,1 l/min	16,57 MPa	18,8 kW

POWER LIFT

Maximum lifting force

<i>at the hitch points</i>	25,8 kN
<i>at the frame</i>	22,4 kN

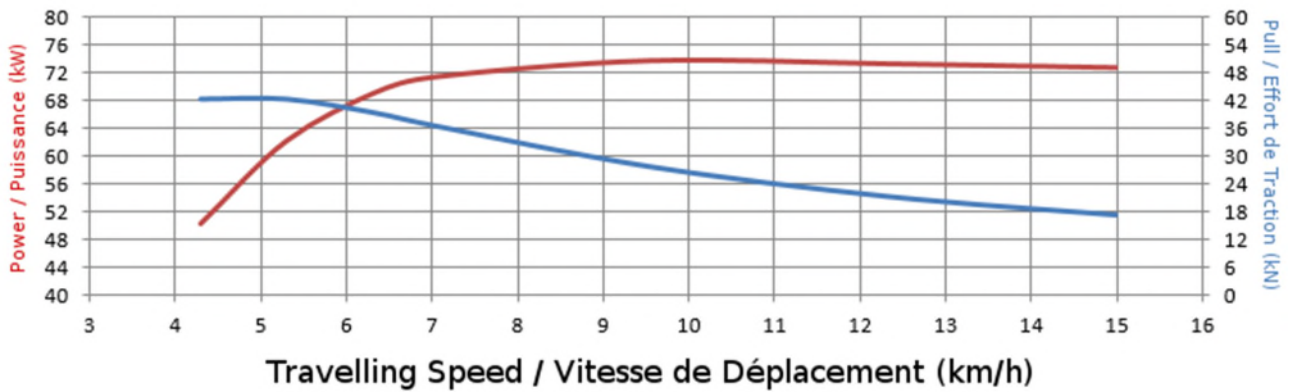


DRAWBAR TEST

Front tyres, Rear tyres	12.4R24	18.4R30
Inflation pressure	97 kPa	83 kPa

UNBALLASTED

Total Mass		4141 kg
Maximum drawbar pull		42,33 kN
at speed of		4,29 km/h
Maximum power		73,68 kW
at speed of		9,53 km/h



BALLASTED

Not available