

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 955/1
OECD Approval Date	06/12/2016
Make	NEW HOLLAND
Model	T7.270C
Type	4 WD
Transmission	Continuously variable transmission
Speed	40 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	BLT – Austria



SPECIFICATIONS

ENGINE

<i>Make</i>	FTP Industrial
<i>Model</i>	F4DFE613B*B
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	6728 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	CVT
<i>Number of forward and reverse speeds</i>	4 2
<i>Speed at rated engine speed</i>	from 0 to 49,90 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>	609 min ⁻¹	1162 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	170,5 kW	1800 min ⁻¹	951 min ⁻¹
Hourly and specific consumption		47,19 l/h	228 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

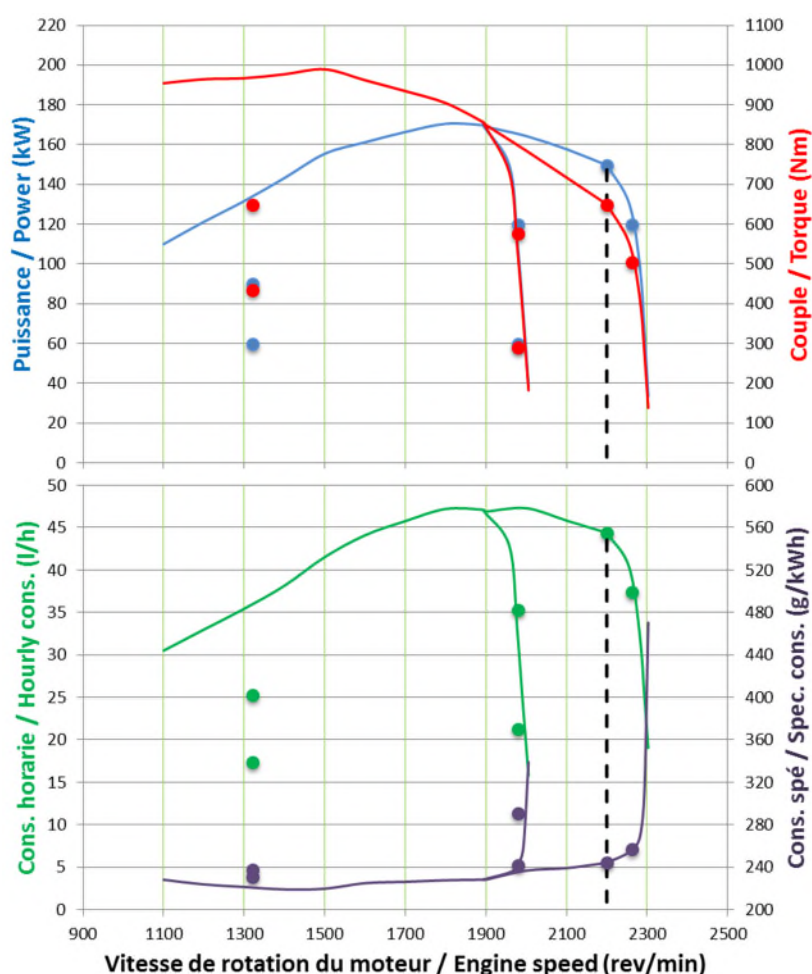
Power, Engine and Power take-off speed	149,7 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		44,37 l/h	244 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	169,8 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		47,09 l/h	230 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

			52,3 %
<u>Maximum torque, Engine speed corresponding</u>		989,4 Nm	1500 min ⁻¹



POWERBOOST - PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed

- - -

Hourly and specific consumption

- - -

Hourly and specific urea consumption

- - -

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed

162,9 kW

2200 min⁻¹1163 min⁻¹

Hourly and specific consumption

47,47 l/h

239 g/kWh

Hourly and specific urea consumption

-

-

Test at standard Power take-off speed

Power, Engine and Power take-off speed

173,6 kW

1892 min⁻¹1000 min⁻¹

Hourly and specific consumption

49,00 l/h

232 g/kWh

Hourly and specific urea consumption

-

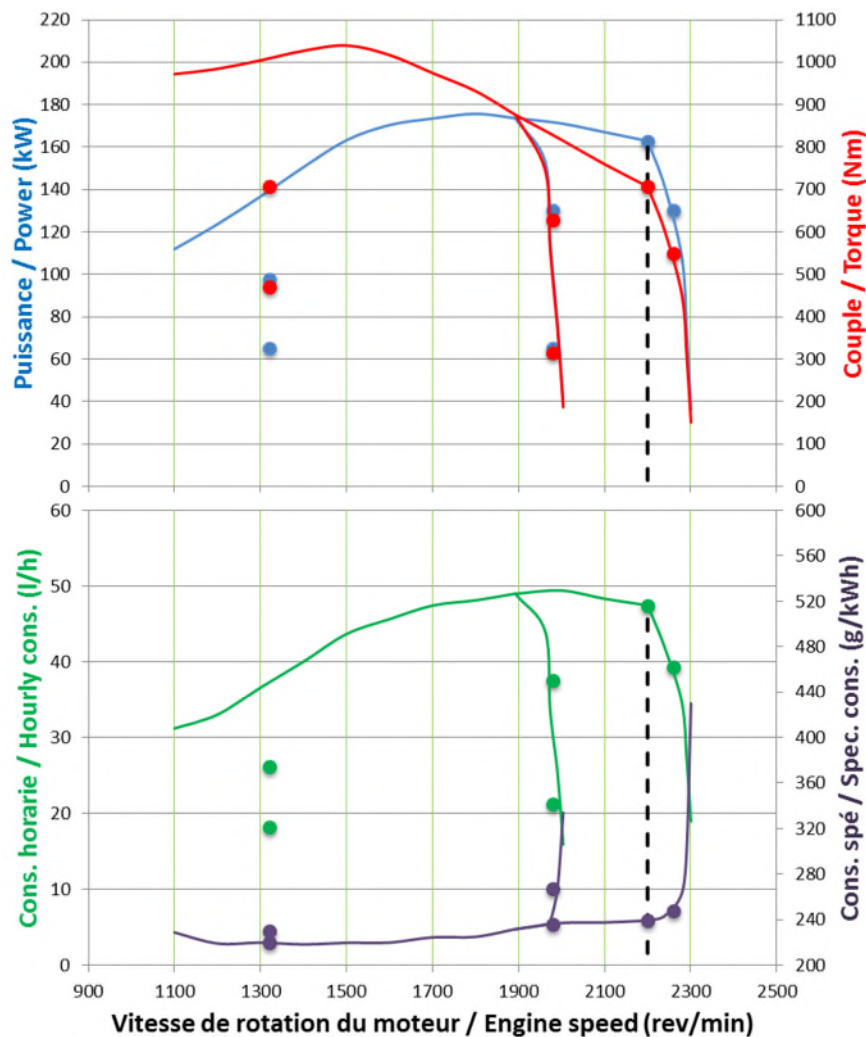
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Torque rise

47,0 %

Maximum torque. Engine speed corresponding

1039,4 Nm

1500 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not available

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

21,0 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	103,0 l/min	17,0 MPa	29,2 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	129,4 l/min	17,0 MPa	36,7 kW

POWER LIFT

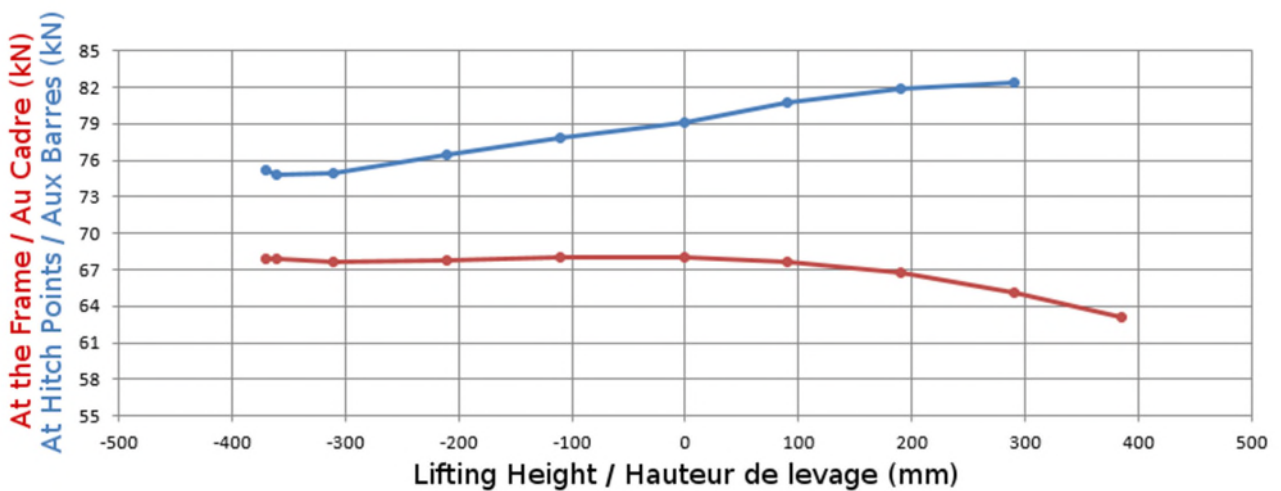
Maximum lifting force

at the hitch points

74,8 kN

at the frame

63,1 kN

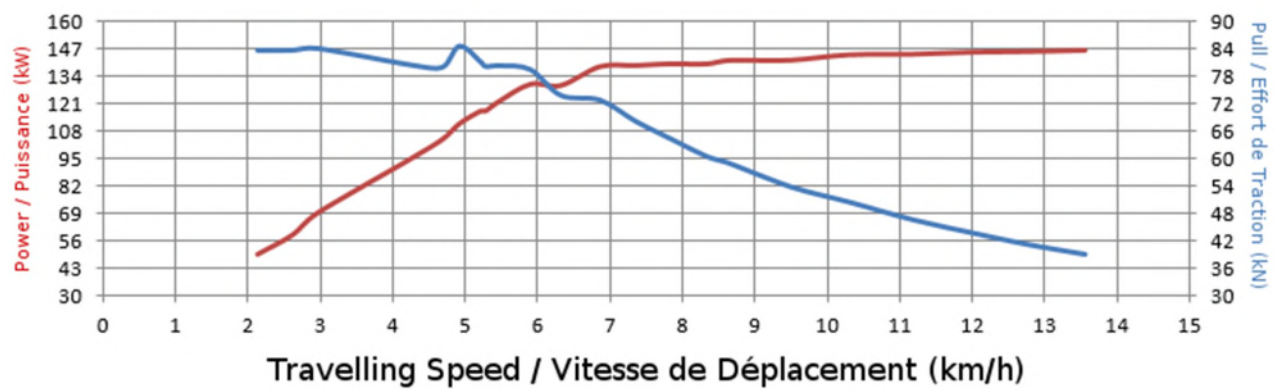


DRAWBAR TEST

Front tyres, Rear tyres	600/65 R 28	710/70 R 38
Inflation pressure	110 kPa	110 kPa

UNBALLASTED

Total Mass	8815 kg
Maximum drawbar pull	84,74 kN
at speed of	4,92 km/h
Maximum power	146,53 kW
at speed of	13,56 km/h



BALLASTED

Not available