

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 955
OECD Approval Date	30/05/2016
Make	NEW HOLLAND
Model	T7.270 AC
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	168,1 kW	1799 min ⁻¹	951 min ⁻¹
Hourly and specific consumption		45,90 l/h	226 g/kWh
Hourly and specific urea consumption		3,60 l/h	23 g/kWh

Test at maximum power at rated engine speed

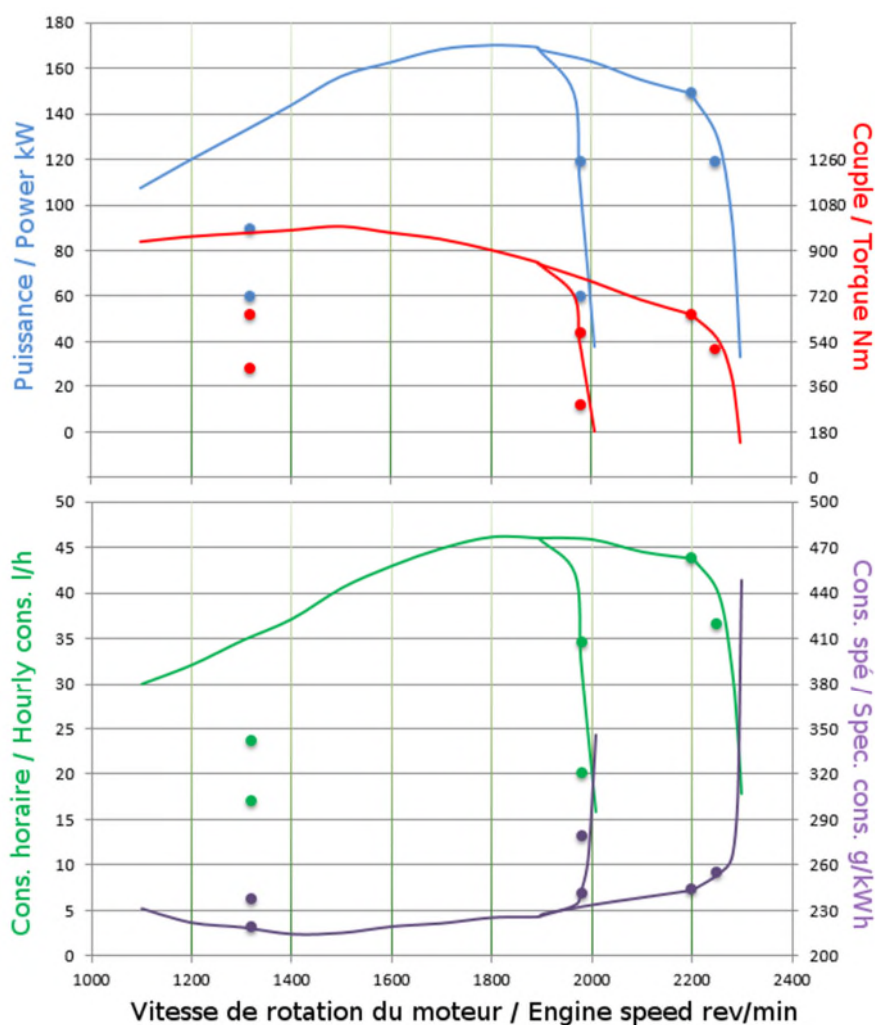
Power, Engine and Power take-off speed	148,8 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		43,81 l/h	244 g/kWh
Hourly and specific urea consumption		3,39 l/h	24,5 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	169,0 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		46,07 l/h	226 g/kWh
Hourly and specific urea consumption		3,62 l/h	23,0 g/kWh

Torque rise

		53,9 %
<u>Maximum torque, Engine speed corresponding</u>	994,3 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	161,6 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		46,82 l/h	240 g/kWh
Hourly and specific urea consumption		3,70 l/h	24,6 g/kWh

Test at standard Power take-off speed

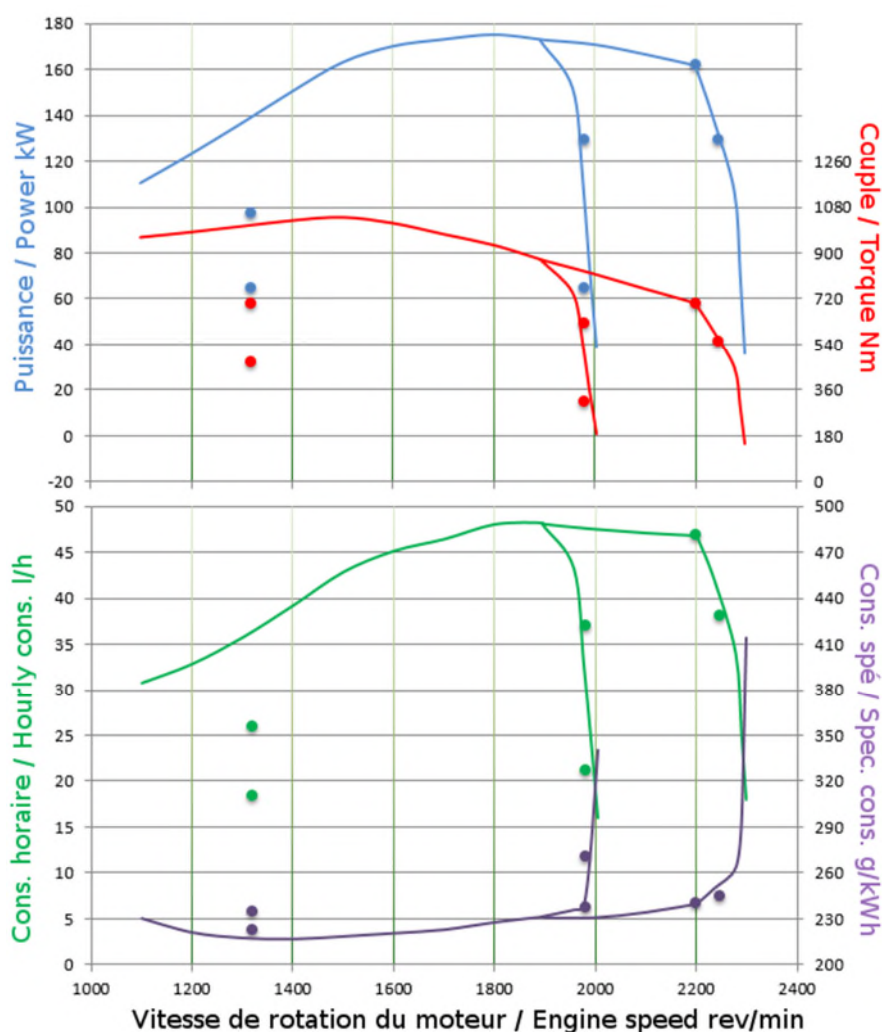
Power, Engine and Power take-off speed	173,0 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		48,23 l/h	231 g/kWh
Hourly and specific urea consumption		3,78 l/h	23,4 g/kWh

Torque rise

47,8 %

Maximum torque, Engine speed corresponding

1037,2 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

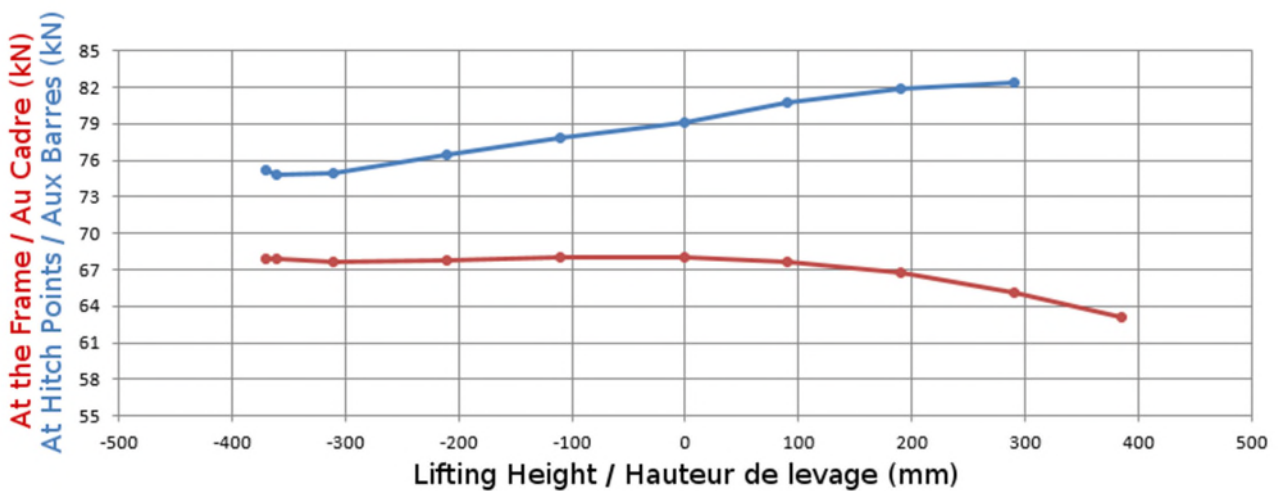
Maximum lifting force

at the hitch points

74,8 kN

at the frame

63,1 kN

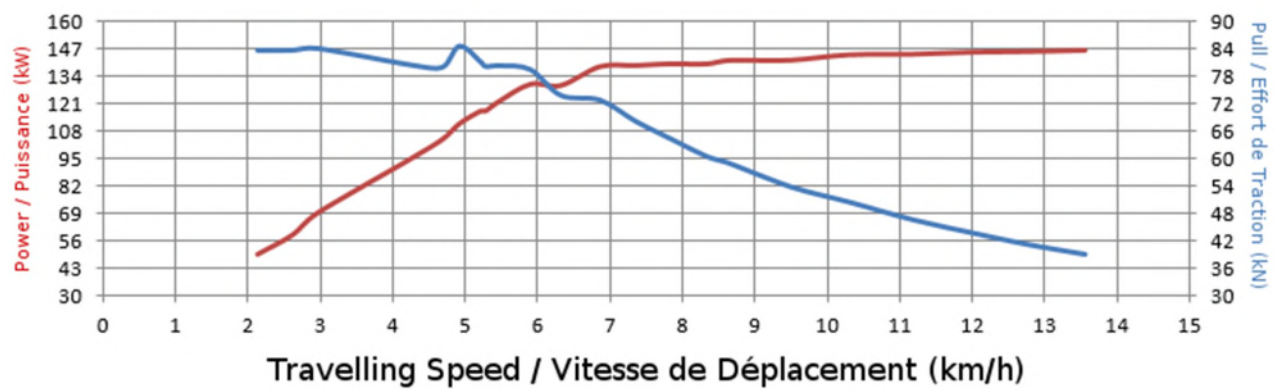


DRAWBAR TEST

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