

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 961
OECD Approval Date	11/07/2016
Make	NEW HOLLAND
Model	T7.230 AC
Type	4 WD
Transmission	Continuously variable transmission
Speed	50 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	BLT – Austria



SPECIFICATIONS

ENGINE

<i>Make</i>	FTP Industrial
<i>Model</i>	F4DFE613K*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 49,9 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	129,4 kW	1800 min ⁻¹	951 min ⁻¹
Hourly and specific consumption		35,83 l/h	229 g/kWh
Hourly and specific urea consumption		2,88 l/h	24,0 g/kWh

Test at maximum power at rated engine speed

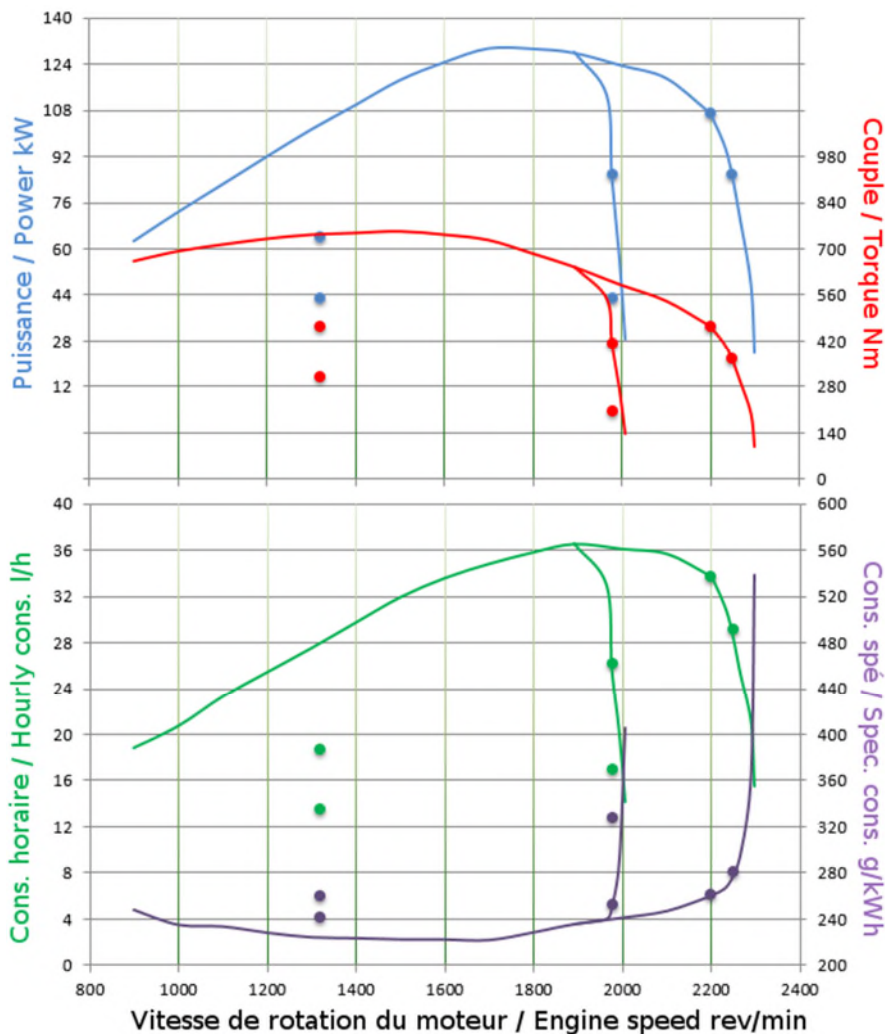
Power, Engine and Power take-off speed	107,0 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		33,71 l/h	261 g/kWh
Hourly and specific urea consumption		2,49 l/h	25,2 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	128,0 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		36,53 l/h	236 g/kWh
Hourly and specific urea consumption		2,85 l/h	24,0 g/kWh

Torque rise

			62,5 %
<u>Maximum torque, Engine speed corresponding</u>		754,6 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	-	-	-

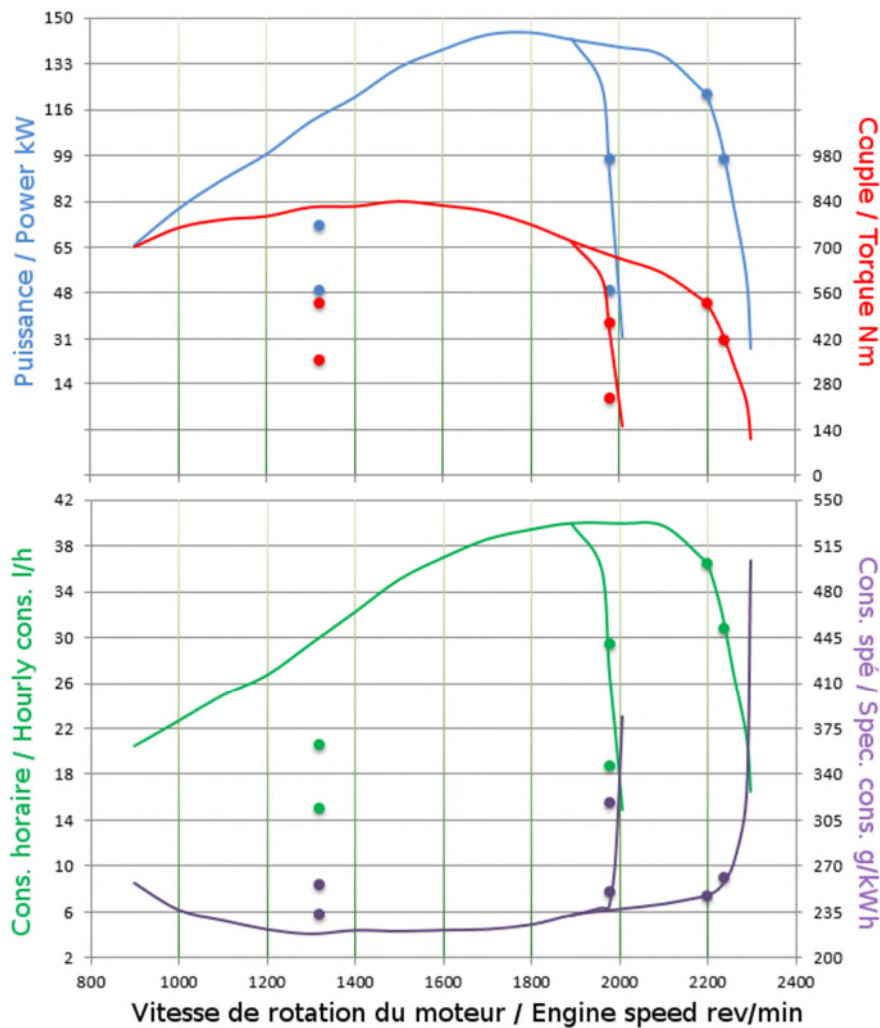
Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	121,6 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		36,39 l/h	247 g/kWh
Hourly and specific urea consumption		2,91 l/h	25,8 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	142,0 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		39,94 l/h	232 g/kWh
Hourly and specific urea consumption		3,26 l/h	24,7 g/kWh

<u>Torque rise</u>			58,7 %
<u>Maximum torque, Engine speed corresponding</u>		837,8 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

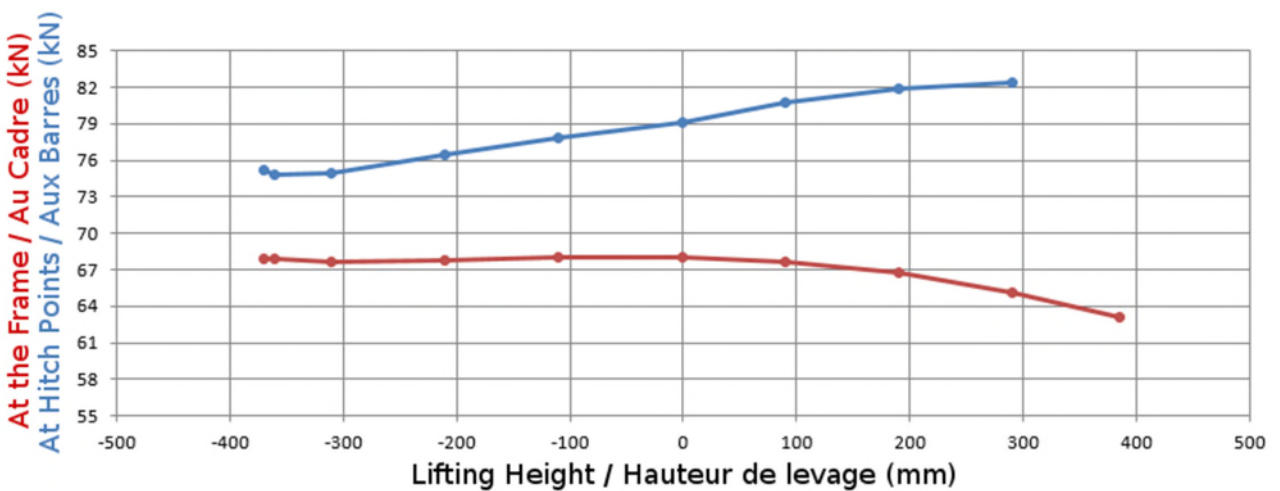
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	113,4 l/min	17,0 MPa	32,1 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

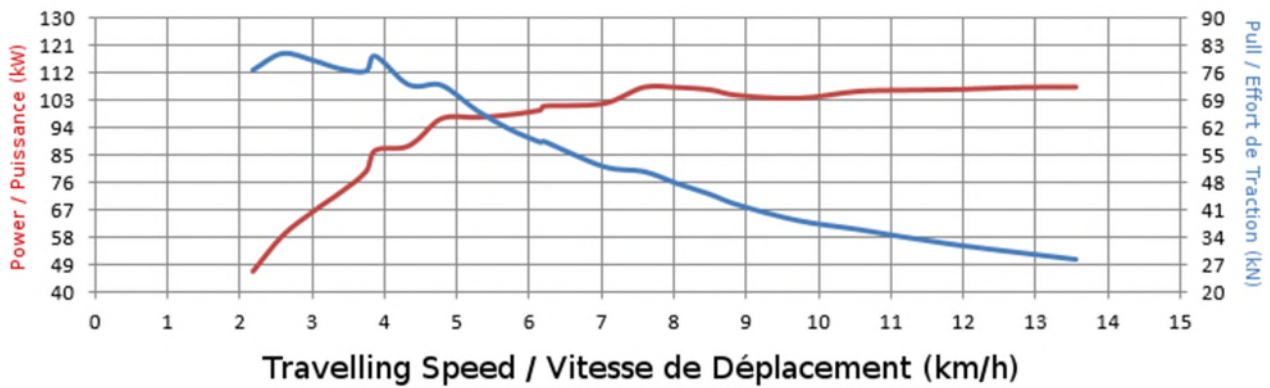


DRAWBAR TEST

Front tyres, Rear tyres	VF600/60 R 30	VF710/60 R 42
Inflation pressure	110 kPa	110 kPa

UNBALLASTED

Total Mass	8815 kg
Maximum drawbar pull	81,01 kN
at speed of	2,59 km/h
Maximum power	107,43 kW
at speed of	13,57 km/h



BALLASTED

Not available