

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 005
OECD Approval Date	29/11/2016
Make	NEW HOLLAND
Model	T4.100
Type	4 WD
Transmission	mechanical synchronised
Speed	40 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	DISTAL – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	FPT Industrial
<i>Model</i>	F5GFL413C
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	in line
<i>Capacity</i>	3387 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	mechanical synchronised	
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 0,97	to 39,98 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>	634 min ⁻¹	1082 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	64,0 kW	1889 min ⁻¹	521 min ⁻¹
Hourly and specific consumption		18,19 l/h	238 g/kWh
Hourly and specific urea consumption		0,42 l/h	7,14 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	59,1 kW	2291 min ⁻¹	632 min ⁻¹
Hourly and specific consumption		19,55 l/h	277 g/kWh
Hourly and specific urea consumption		0,65 l/h	11,90 g/kWh

Test at standard Power take-off speed

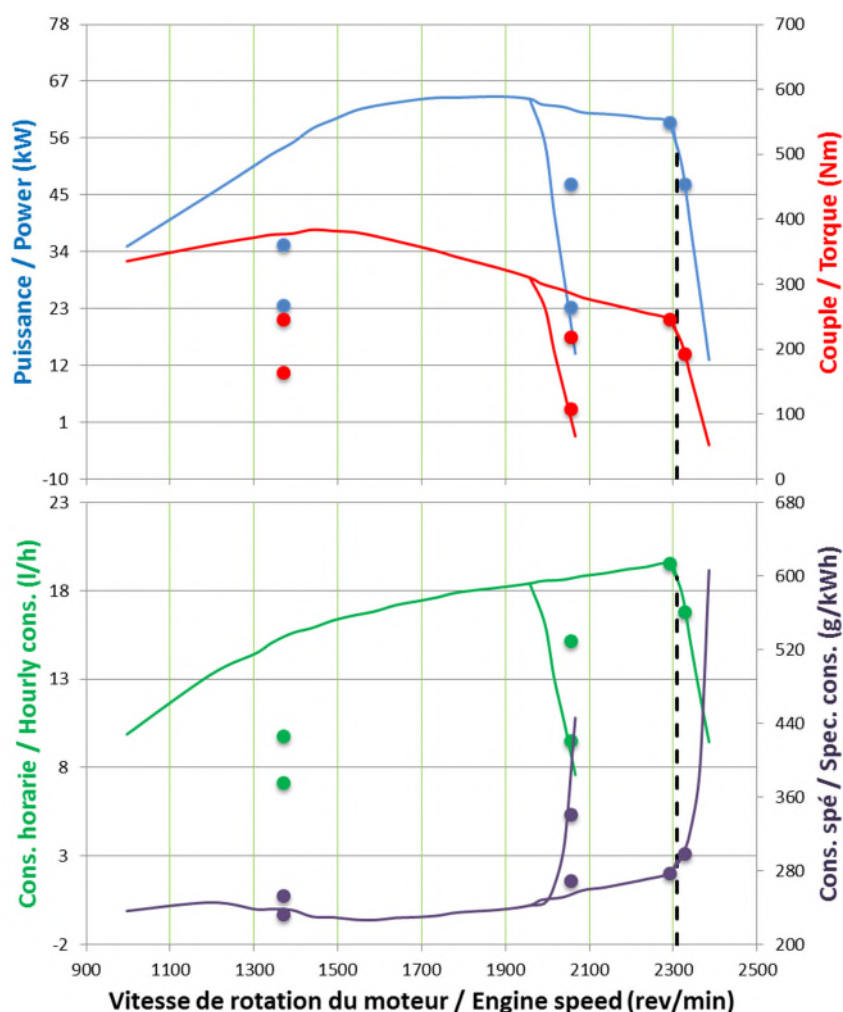
Power, Engine and Power take-off speed	63,6 kW	1958 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		18,40 l/h	242 g/kWh
Hourly and specific urea consumption		0,43 l/h	7,41 g/kWh

Torque rise

		72,2 %
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Maximum torque, Engine speed corresponding

	383,9 Nm	1439 min ⁻¹
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PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

open centre

Relief valve pressure setting (tolerance):

20,0 ± 1 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

57,44 l/min

18,53 MPa

17,74 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

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POWER LIFT

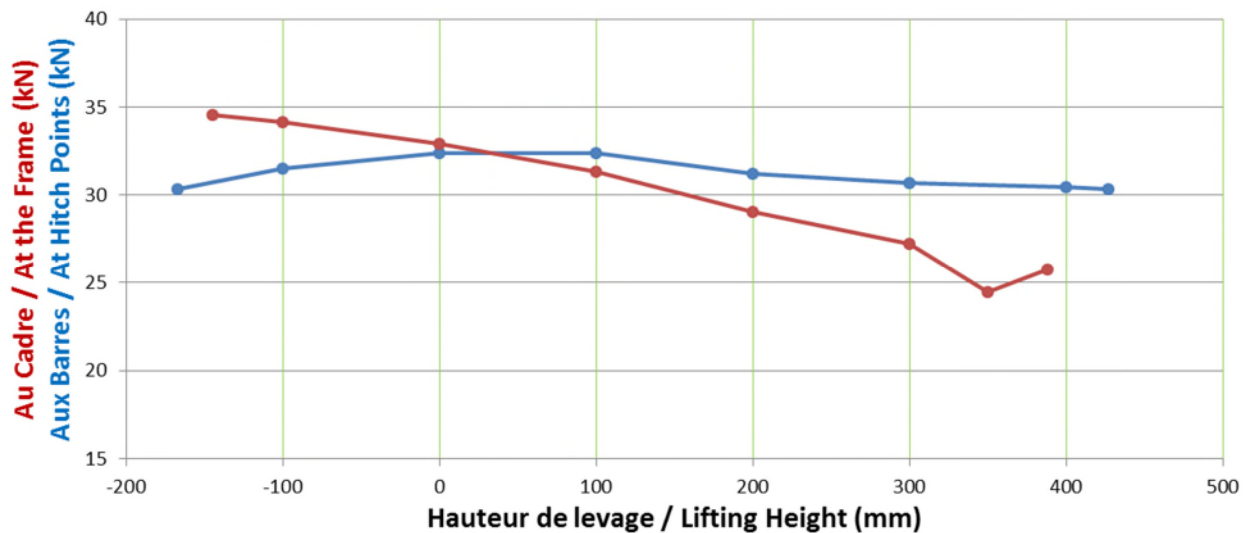
Maximum lifting force

at the hitch points

30,35 kN

at the frame

25,78 kN

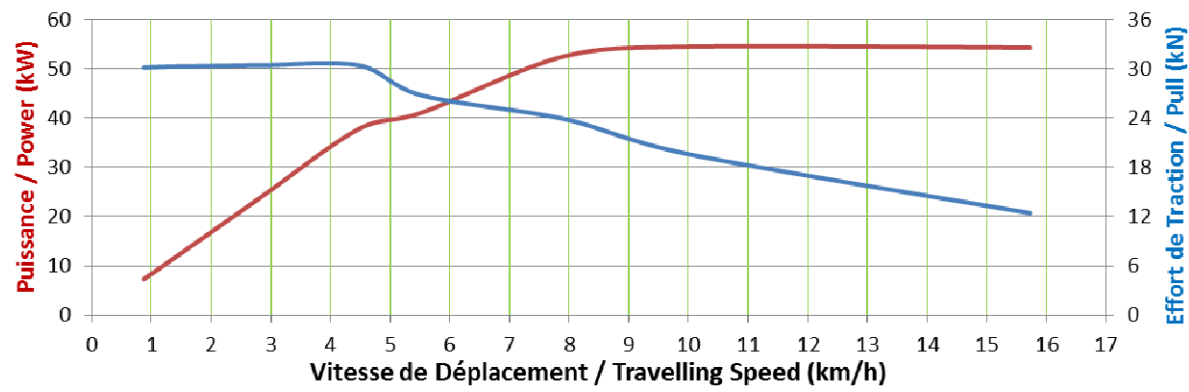


DRAWBAR TEST

Front tyres, Rear tyres	380/85 R24	460/85 R34
Inflation pressure	160 kPa	160 kPa

UNBALLASTED

Total Mass	3730 kg
Maximum drawbar pull	30,43 kN
at speed of	2,96 km/h
Maximum power	54,47 kW
at speed of	10,01 km/h



BALLASTED

Not applicable