

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/3 009</b>
<b>OECD Approval Date</b>	<b>29/11/2016</b>
<b>Make</b>	<b>NEW HOLLAND</b>
<b>Model</b>	<b>T4.120</b>
<b>Type</b>	<b>4 WD</b>
<b>Transmission</b>	mechanical synchronised
<b>Speed</b>	40 km/h
<b>Manufacturer</b>	CNH Industrial Europe Holding S.A.
<b>Testing Station</b>	DISTAL – Italy



## SPECIFICATIONS

### ENGINE

<i>Make</i>	FPT Industrial
<i>Model</i>	F5GFL413G
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	in line
<i>Capacity</i>	3387 cm <sup>3</sup>
<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<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>	634 min <sup>-1</sup>	1082 min <sup>-1</sup>
<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	79,1 kW	1958 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		21,47 l/h	227 g/kWh
Hourly and specific urea consumption		0,49 l/h	6,74 g/kWh

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	74,8 kW	2302 min <sup>-1</sup>	635 min <sup>-1</sup>
Hourly and specific consumption		22,37 l/h	251 g/kWh
Hourly and specific urea consumption		0,88 l/h	12,78 g/kWh

### Test at standard Power take-off speed

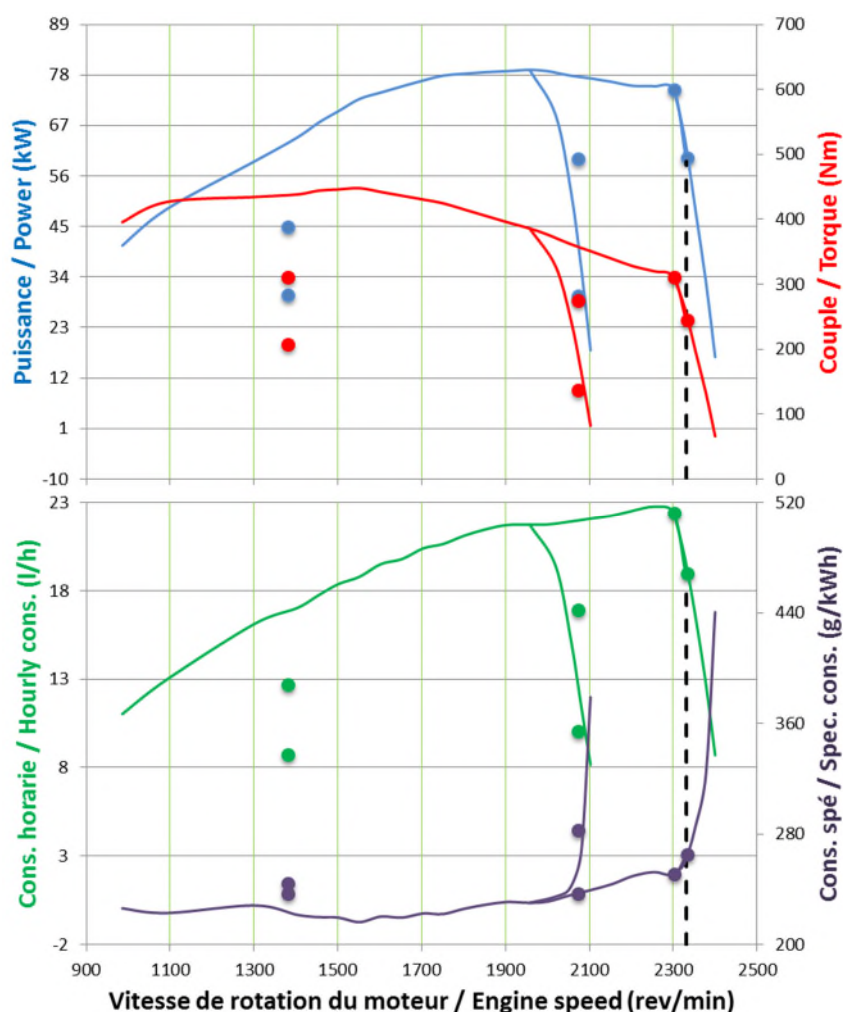
Power, Engine and Power take-off speed	79,1 kW	1958 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		21,73 l/h	230 g/kWh
Hourly and specific urea consumption		0,49 l/h	6,74 g/kWh

### Torque rise

		84,8 %
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### Maximum torque, Engine speed corresponding

	447,9 Nm	1552 min <sup>-1</sup>
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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)

59,80 l/min

18,42 MPa

18,36 kW

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

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### POWER LIFT

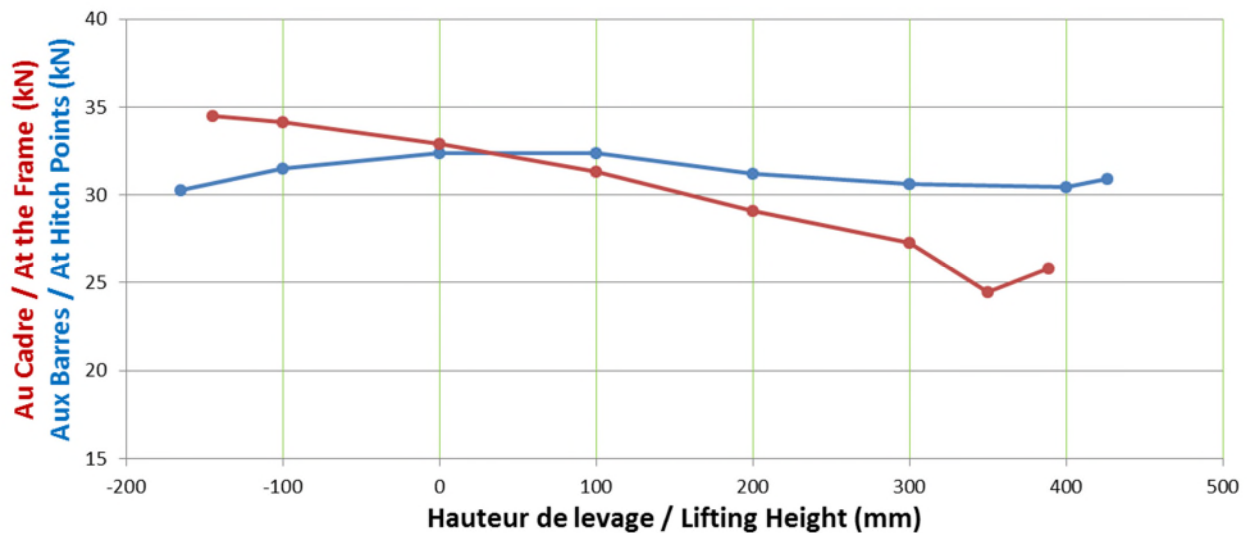
#### Maximum lifting force

at the hitch points

30,30 kN

at the frame

25,81 kN

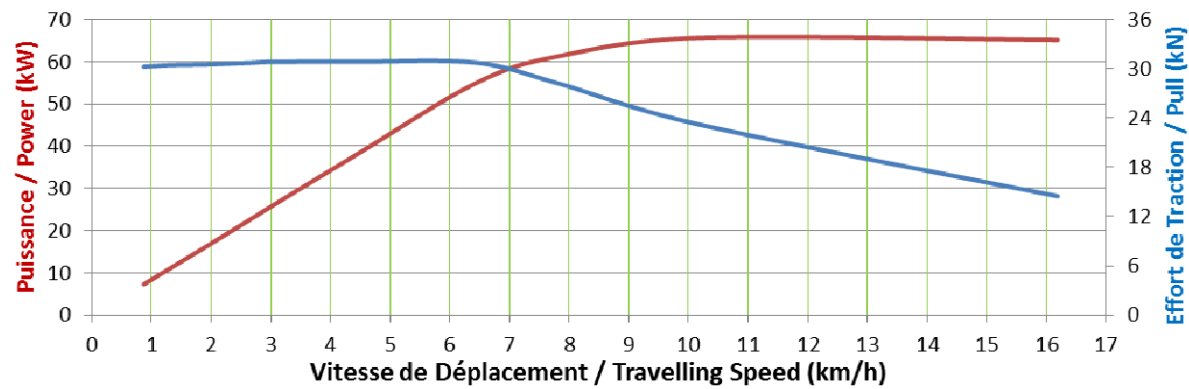


DRAWBAR TEST

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

UNBALLASTED

Total Mass	3740 kg
Maximum drawbar pull	30,85 kN
at speed of	4,48 km/h
Maximum power	65,63 kW
at speed of	10,18 km/h



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Not applicable