

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

---

**OECD Approval Number**

**2/3 040**

**OECD Approval Date**

**16/03/2017**

<b>Make</b>	<b>CASE IH</b>
<b>Model</b>	<b>Magnum 380 Rowtrac</b>
<b>Make</b>	<b>New Holland</b>
<b>Model</b>	<b>T8.435 SmartTrax</b>

**Type**

**4 WD with rear tracks**

Transmission

CVT

Speed

30 km/h

Manufacturer

CNH Industrial LLC

Testing Station

NTTL – U.S.A.



## SPECIFICATIONS

### ENGINE

<i>Make</i>	FIAT Powertrain (FPT)
<i>Model</i>	Cursor 8.7L, F4DFE613H
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	in line
<i>Capacity</i>	8704 cm <sup>3</sup>
<i>Cooling</i>	Liquid

### TRANSMISSION

<i>Gear box</i>	CVT
<i>Number of forward and reverse speeds</i>	-
<i>Speed at rated engine speed</i>	from 0 to 30 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>	597 min <sup>-1</sup>	1109 min <sup>-1</sup>
<i>Diameter of the shaft</i>	34,9 mm	34,9 / 44,45 mm
<i>Number of splines</i>	6	21

## PTO TEST RESULTS

### One hour test at maximum power

Power, Engine and Power take-off speed	280,14 kW	1800 min <sup>-1</sup>	1012 min <sup>-1</sup>
Hourly and specific consumption		74,23 l/h	223 g/kWh
Hourly and specific urea consumption		6,48 l/h	25,0 g/kWh

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	239,91 kW	2000 min <sup>-1</sup>	1124 min <sup>-1</sup>
Hourly and specific consumption		64,68 l/h	226 g/kWh
Hourly and specific urea consumption		6,74 l/h	30,4 g/kWh

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	280,19 kW	1779 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		73,95 l/h	222 g/kWh
Hourly and specific urea consumption		6,57 l/h	25,4 g/kWh

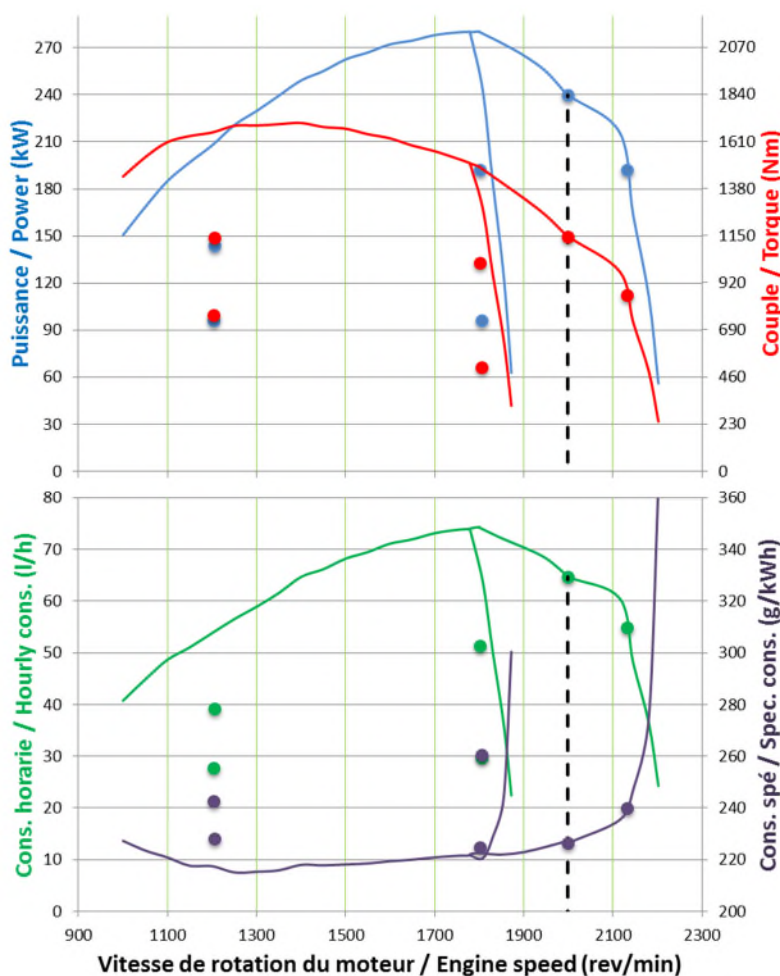
### Torque rise

48,4 %

### Maximum torque, Engine speed corresponding

1700 Nm

1400 min<sup>-1</sup>



## PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

*Not Applicable*

## HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Closed centre

Relief valve pressure setting (tolerance):

19,1 – 21,4 MPa

## HYDRAULIC PERFORMANCES

### At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	160,4 l/min	14,99 MPa	40,1 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	159,4 l/min	18,98 MPa	50,4 kW

## POWER LIFT

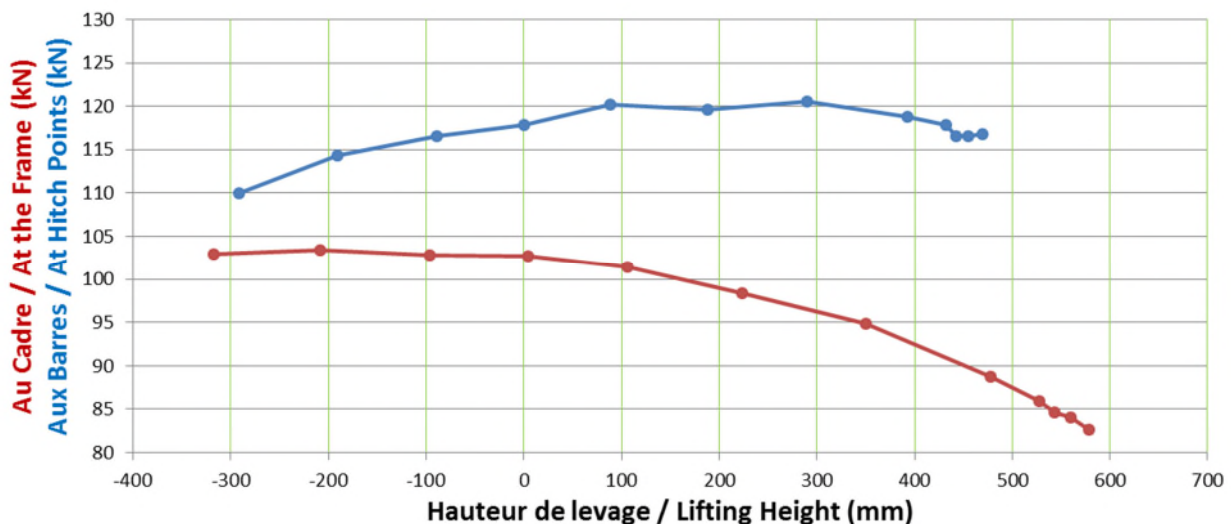
### Maximum lifting force

at the hitch points

110,0 kN

at the frame

82,7 kN

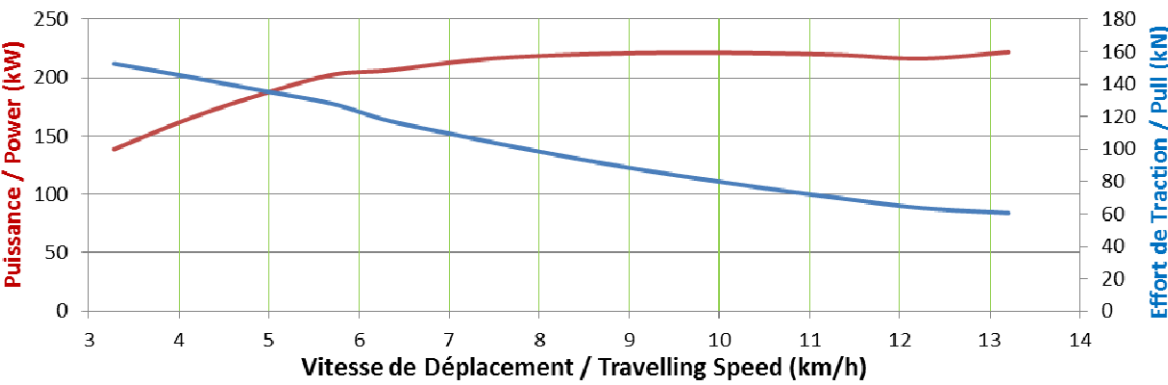


DRAWBAR TEST

Front tyres, Rear tyres	420/85R38	-
Inflation pressure	117 kPa	-

UNBALLASTED

Total Mass	17343 kg
Maximum drawbar pull	152,64 kN
at speed of	3,28 km/h
Maximum power	221,97 kW
at speed of	13,21 km/h



BALLASTED

Not Applicable