

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number

2/3 039

OECD Approval Date

16/03/2017

Make	New Holland
Model	T8.410 SmartTrax
Make	CASE IH
Model	Magnum 340 Rowtrac

Type

4 WD with rear tracks

Transmission

Power Shift

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 ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Power Shift
<i>Number of forward and reverse speeds</i>	17 4
<i>Speed at rated engine speed</i>	from 3,59 to 30,60 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>	597 min ⁻¹	1109 min ⁻¹
<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	253,66 kW	1800 min ⁻¹	998 min ⁻¹
Hourly and specific consumption		64,62 l/h	214 g/kWh
Hourly and specific urea consumption		7,70 l/h	33,0 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	225,73 kW	2000 min ⁻¹	1109 min ⁻¹
Hourly and specific consumption		59,05 l/h	220 g/kWh
Hourly and specific urea consumption		7,17 l/h	34,5 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	253,66 kW	1800 min ⁻¹	998 min ⁻¹
Hourly and specific consumption		64,62 l/h	214 g/kWh
Hourly and specific urea consumption		7,70 l/h	33,0 g/kWh

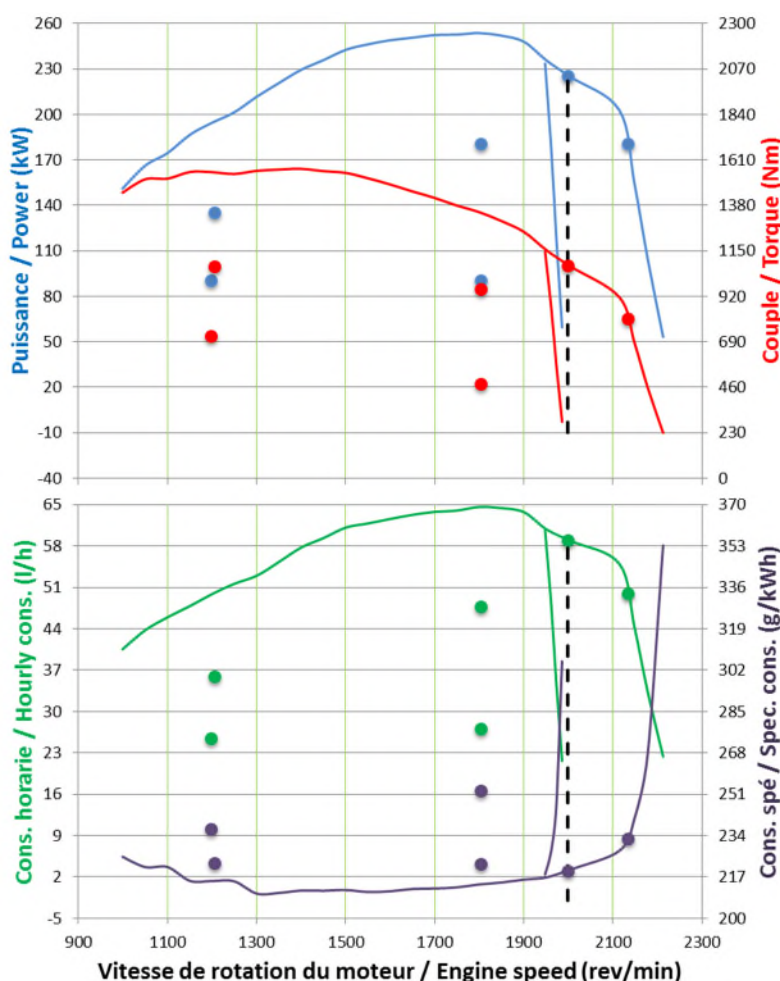
Torque rise

45,2 %

Maximum torque, Engine speed corresponding

1565 Nm

1400 min⁻¹



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 to 21.4 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	127,8 l/min	15,52 MPa	33,0 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	170,6 l/min	17,98 MPa	51,1 kW

POWER LIFT

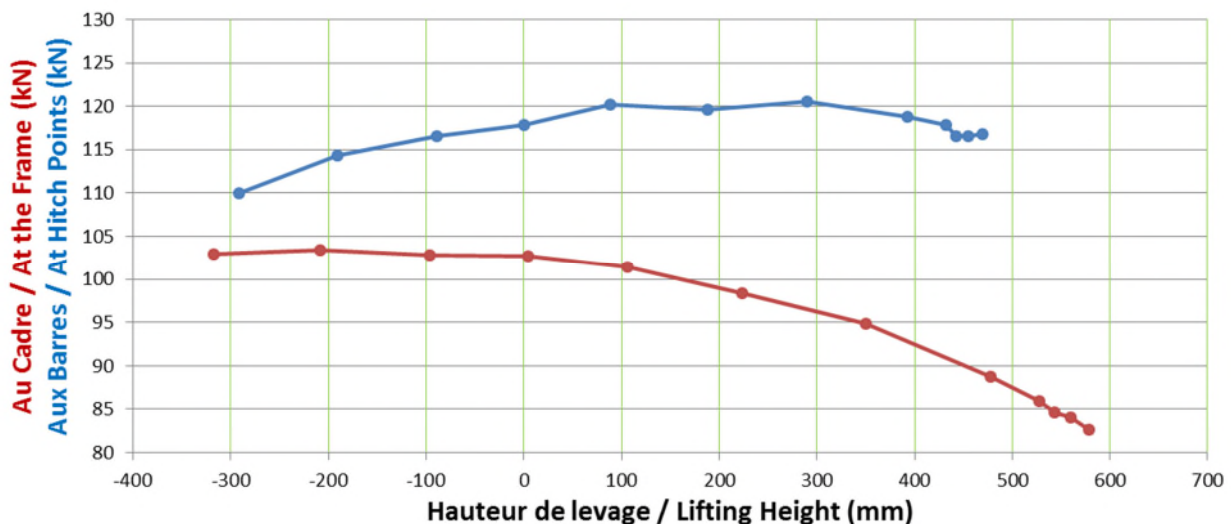
Maximum lifting force

at the hitch points

110,0 kN

at the frame

82,7 kN

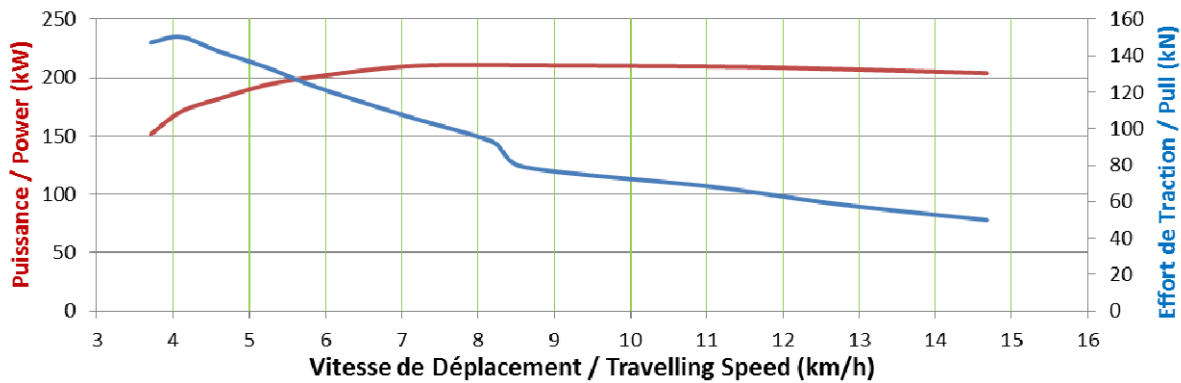


DRAWBAR TEST

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

UNBALLASTED

Total Mass	16410 kg
Maximum drawbar pull	150,31 kN
at speed of	4,10 km/h
Maximum power	210,92 kW
at speed of	8,21 km/h



BALLASTED

Not Applicable