

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number

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OECD Approval Date

12/05/2016

Make	New Holland
Model	T8.410
Make	Case IH
Model	Magnum 340

Type

4 WD

Transmission

Full Power Shift

Speed

40 km/h

Manufacturer

CNH Industrial LLC

Testing Station

NTTL – USA



SPECIFICATIONS

ENGINE

<i>Make</i>	FIAT Powertrain (FPT)
<i>Model</i>	Cursor 8.7L
<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>	Full Power Shift
<i>Number of forward and reverse speeds</i>	19 4
<i>Speed at rated engine speed</i>	from 3,32 to 42,00 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	1803 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	250,68 kW	1800 min ⁻¹	998 min ⁻¹
Hourly and specific consumption		64,99 l/h	217 g/kWh
Hourly and specific urea consumption		6,57 l/h	28,5 g/kWh

Test at maximum power at rated engine speed

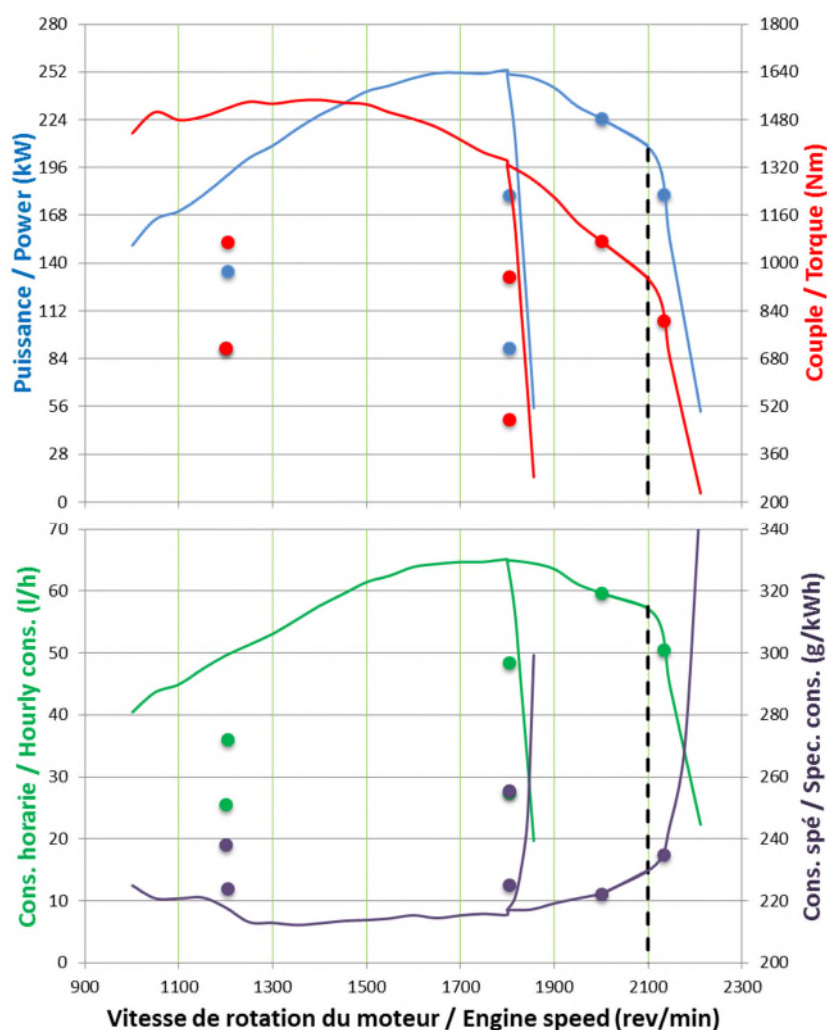
Power, Engine and Power take-off speed	224,96 kW	2000 min ⁻¹	1109 min ⁻¹
Hourly and specific consumption		59,71 l/h	222 g/kWh
Hourly and specific urea consumption		6,16 l/h	29,8 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	250,68 kW	1800 min ⁻¹	998 min ⁻¹
Hourly and specific consumption		64,99 l/h	217 g/kWh
Hourly and specific urea consumption		6,57 l/h	28,5 g/kWh

Torque rise

Maximum torque, Engine speed corresponding	1547 Nm	1399 min ⁻¹
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PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

19,3 to 21,4 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	143,2 l/min	15,65 MPa	37,4 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	162,7 l/min	17,03 MPa	46,2 kW

POWER LIFT

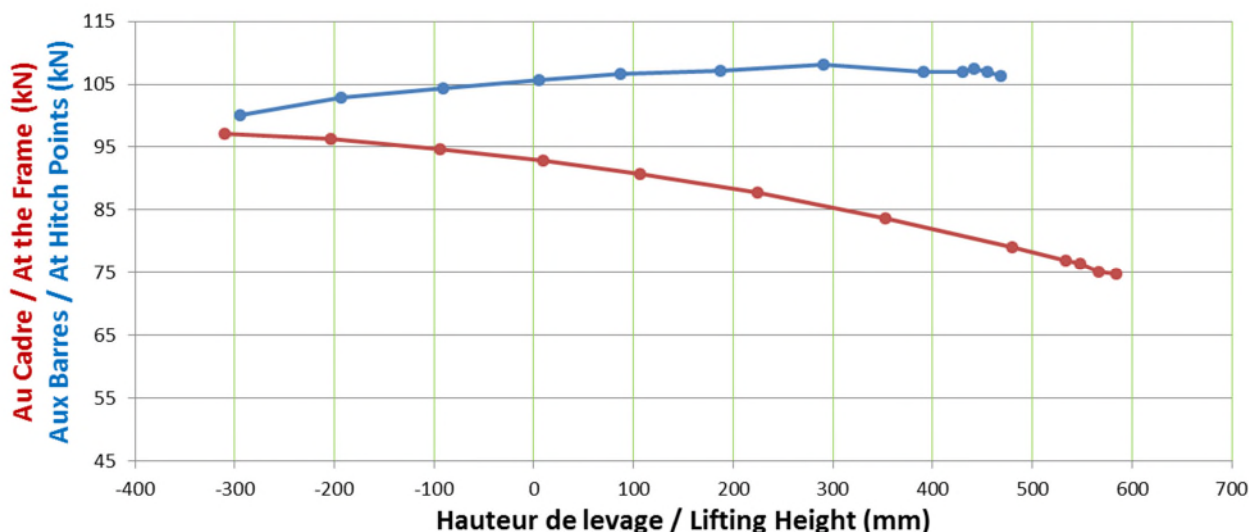
Maximum lifting force

at the hitch points

100,1 kN

at the frame

74,8 kN

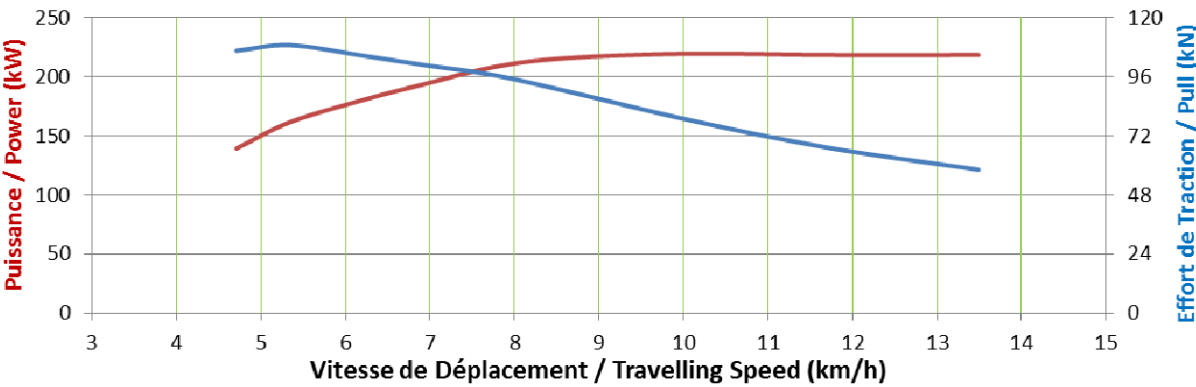


DRAWBAR TEST

Front tyres, Rear tyres	380/80R38	480/80R50
Inflation pressure	159 kPa	83 kPa

UNBALLASTED

Total Mass	12608 kg
Maximum drawbar pull	108,74 kN
at speed of	5,35 km/h
Maximum power	219,34 kW
at speed of	10,07 km/h



BALLASTED

Not applicable