

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 874
OECD Approval Date	13/02/2015
Make	Case IH
Model	Steiger 370
Type	Articulated 4WD
Transmission	Full Powershift
Speed	40 km/h
Manufacturer	CNH Industrial America, LLC
Testing Station	NTTL – USA



SPECIFICATIONS

ENGINE

<i>Make</i>	FIAT Powertrain (FPT)
<i>Model</i>	Cursor 9
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	8704 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Full Powershift
<i>Number of forward and reverse speeds</i>	16
<i>Speed at rated engine speed</i>	from 4,54 to 39,88 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>		1104 min ⁻¹
<i>Diameter of the shaft</i>	Not available	45 mm
<i>Number of splines</i>		20

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	273,3 kW	1800 min ⁻¹	994 min ⁻¹
Hourly and specific consumption		72,88 l/h	224 g/kWh
Hourly and specific urea consumption		6,76 l/h	26,9 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	241,1 kW	1999 min ⁻¹	1104 min ⁻¹
Hourly and specific consumption		65,76 l/h	229 g/kWh
Hourly and specific urea consumption		7,18 l/h	32,4 g/kWh

Test at standard Power take-off speed

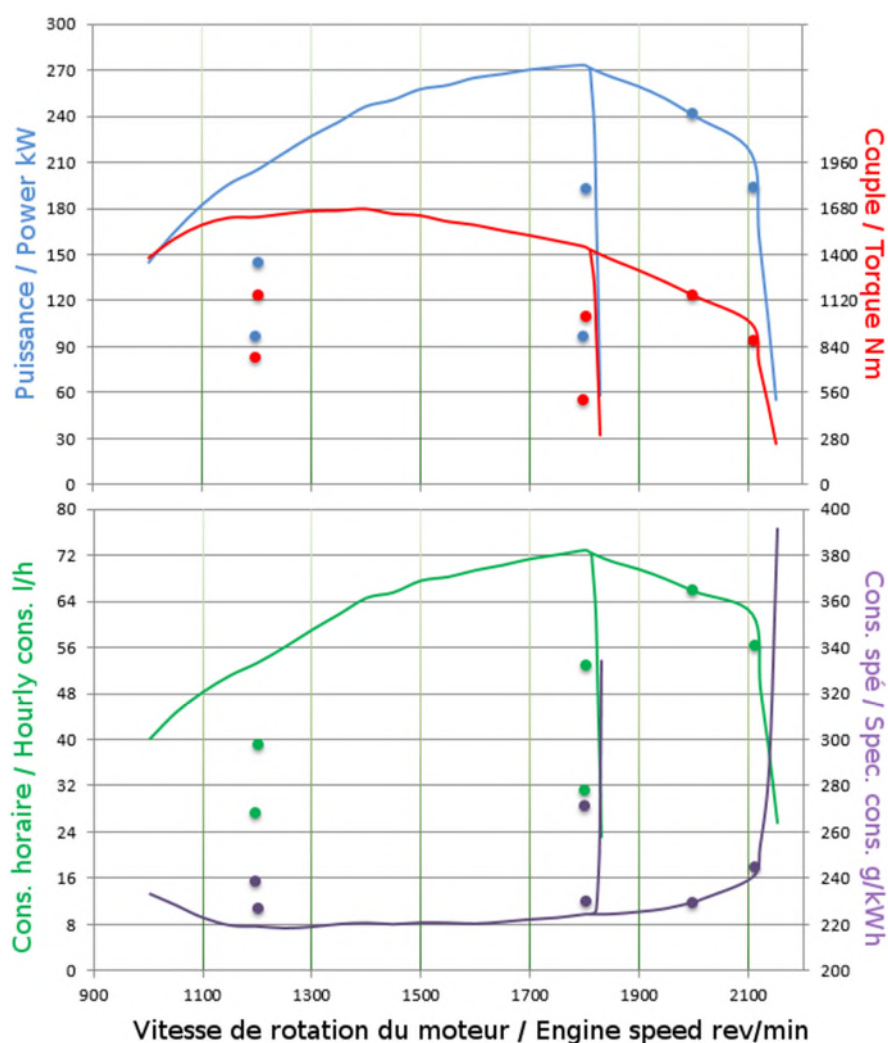
Power, Engine and Power take-off speed	271,5 kW	1811 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		72,40 l/h	224 g/kWh
Hourly and specific urea consumption		6,81 l/h	27,3 g/kWh

Torque rise

45,9 %

Maximum torque, Engine speed corresponding

1680,0 Nm

1400 min⁻¹

OPTIONAL PTO TEST RESULTS (1.998 PTO RATIO)

One hour test at maximum power

Power, Engine and Power take-off speed	273,3 kW	1800 min ⁻¹	901 min ⁻¹
Hourly and specific consumption		72,87 l/h	224 g/kWh
Hourly and specific urea consumption		6,34 l/h	25,2 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	241,2 kW	2000 min ⁻¹	1001 min ⁻¹
Hourly and specific consumption		65,73 l/h	229 g/kWh
Hourly and specific urea consumption		6,68 l/h	30,1 g/kWh

Test at standard Power take-off speed

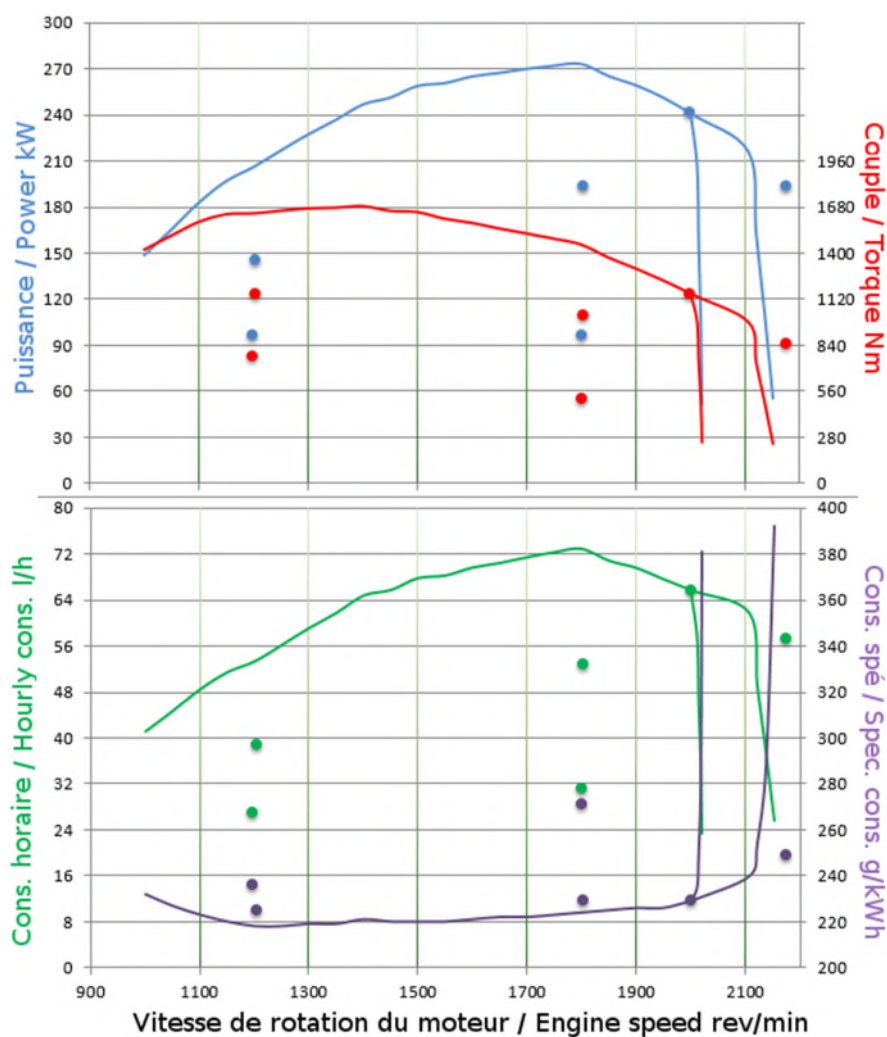
Power, Engine and Power take-off speed	241,2 kW	2000 min ⁻¹	1001 min ⁻¹
Hourly and specific consumption		65,73 l/h	229 g/kWh
Hourly and specific urea consumption		6,68 l/h	30,1 g/kWh

Torque rise

46,2 %

Maximum torque, Engine speed corresponding

1683,5 Nm

1401 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):

21 +0.5/-1.0 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	165,2 l/min	15,05 MPa	41,4 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	209,5 l/min	18,42 MPa	64,3 kW

 POWER LIFT

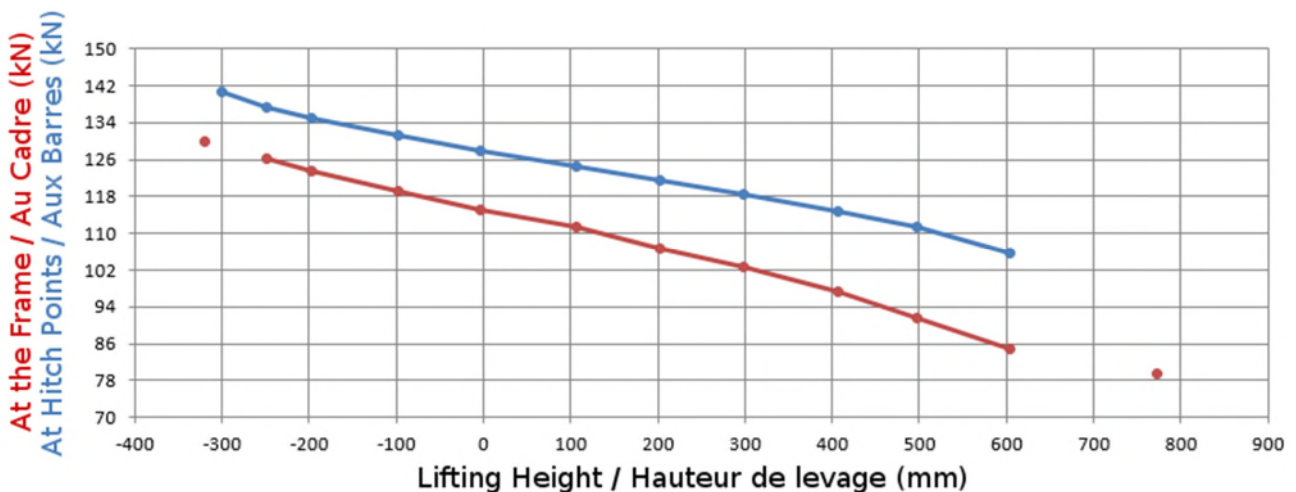
Maximum lifting force

at the hitch points

102,9 kN

at the frame

79,5 kN

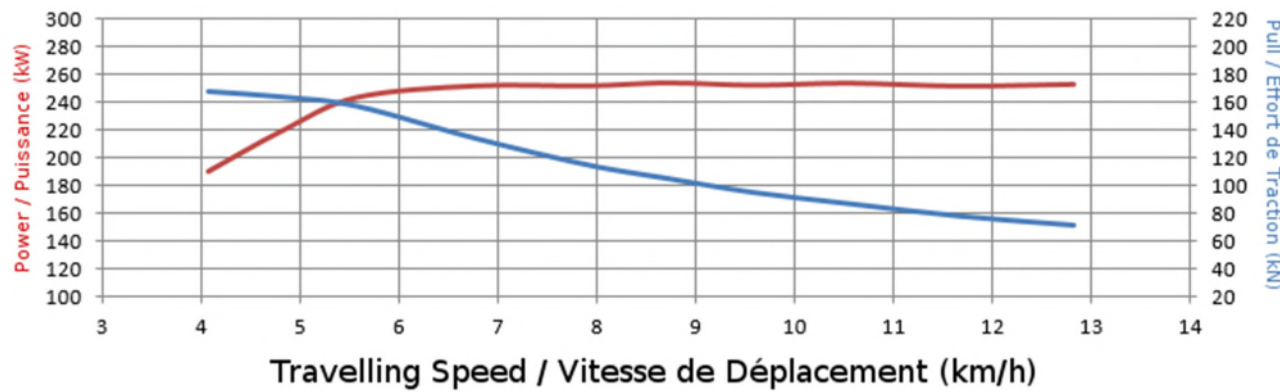


DRAWBAR TEST

Front tyres, Rear tyres	480/95R50	480/95R50
Inflation pressure	83 kPa	62 kPa

UNBALLASTED

Total Mass	18191 kg
Maximum drawbar pull	167,98 kN
at speed of	4,08 km/h
Maximum power	254,40 kW
at speed of	8,71 km/h



BALLASTED

Not Applicable