

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 878
OECD Approval Date	06/03/2015
Make	Case IH
Model	Steiger 470 HD
Type	Articulated 4WD
Transmission	Full Powershift
Speed	40 km/h
Manufacturer	CNH Industrial America, LLC
Testing Station	NTTL – USA



SPECIFICATIONS

ENGINE

<i>Make</i>	FPT
<i>Model</i>	Cursor 13 L FPT
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	12880 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 4,67 to 40,00 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>		1160 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	349,25 kW	1901 min ⁻¹	1049 min ⁻¹
Hourly and specific consumption		95,66 l/h	230 g/kWh
Hourly and specific urea consumption		8,37 l/h	26,0 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	311,07 kW	2101 min ⁻¹	1160 min ⁻¹
Hourly and specific consumption		91,14 l/h	247 g/kWh
Hourly and specific urea consumption		7,02 l/h	24,5 g/kWh

Test at standard Power take-off speed

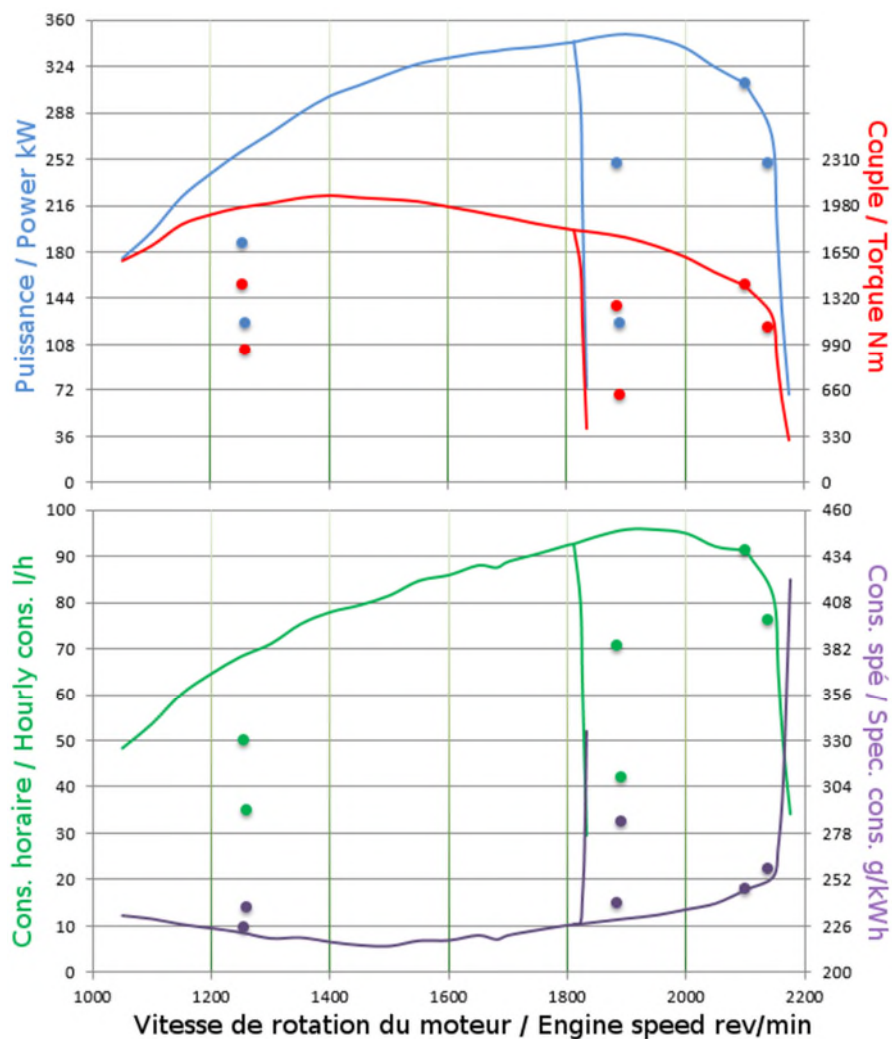
Power, Engine and Power take-off speed	342,97 kW	1811 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		92,53 l/h	227 g/kWh
Hourly and specific urea consumption		8,01 l/h	25,4 g/kWh

Torque rise

45,2 %

Maximum torque, Engine speed corresponding

2053,0 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):

21 +0.5/-1.0 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	168,9 l/min	14,42 MPa	40,6 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	212,9 l/min	18,26 MPa	64,8 kW

 POWER LIFT

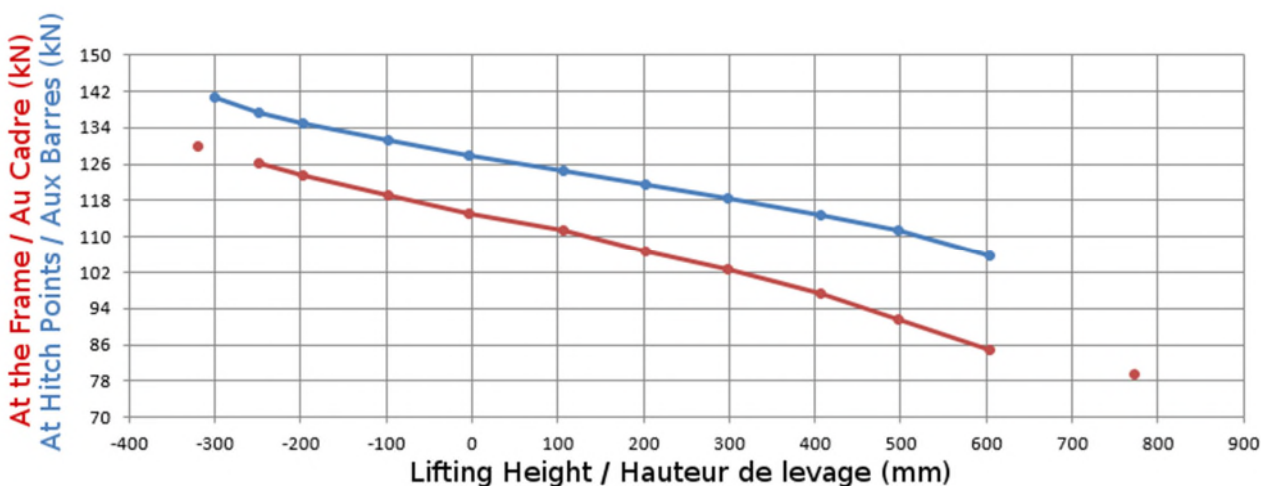
Maximum lifting force

at the hitch points

102,9 kN

at the frame

79,5 kN

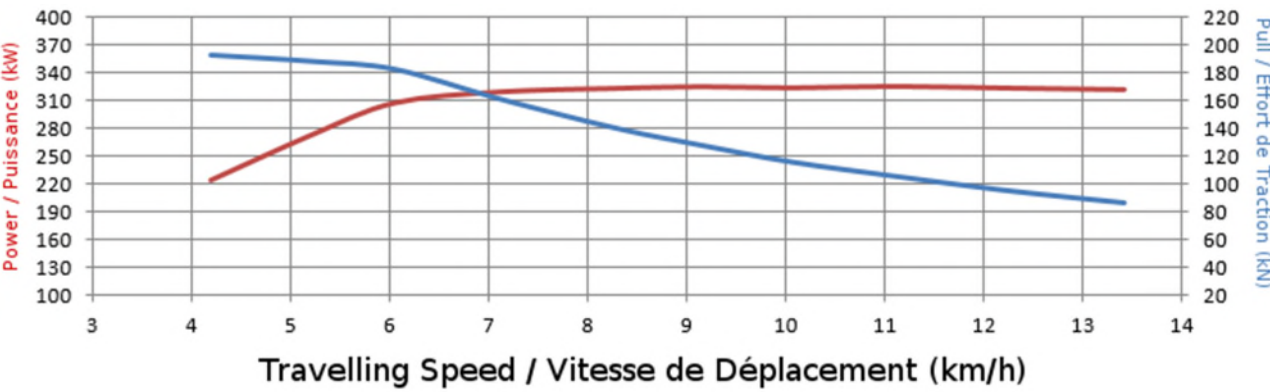


DRAWBAR TEST

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

UNBALLASTED

Total Mass	19187 kg
Maximum drawbar pull	192,89 kN
at speed of	4,19 km/h
Maximum power	324,50 kW
at speed of	11,09 km/h



BALLASTED

Not Applicable