

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 880
OECD Approval Date	06/03/2015
Make	Case IH
Model	Steiger 500
Type	Articulated 4WD with dual wheels
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>	12,9 l
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Full Powershift
<i>Number of forward and reverse speeds</i>	16 2
<i>Speed at rated engine speed</i>	from 4,54 to 39,62 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	378,2 kW	1902 min ⁻¹	1050 min ⁻¹
Hourly and specific consumption		103,02 l/h	229 g/kWh
Hourly and specific urea consumption		8,80 l/h	25,3 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	335,7 kW	2101 min ⁻¹	1160 min ⁻¹
Hourly and specific consumption		96,07 l/h	241 g/kWh
Hourly and specific urea consumption		8,06 l/h	26,1 g/kWh

Test at standard Power take-off speed

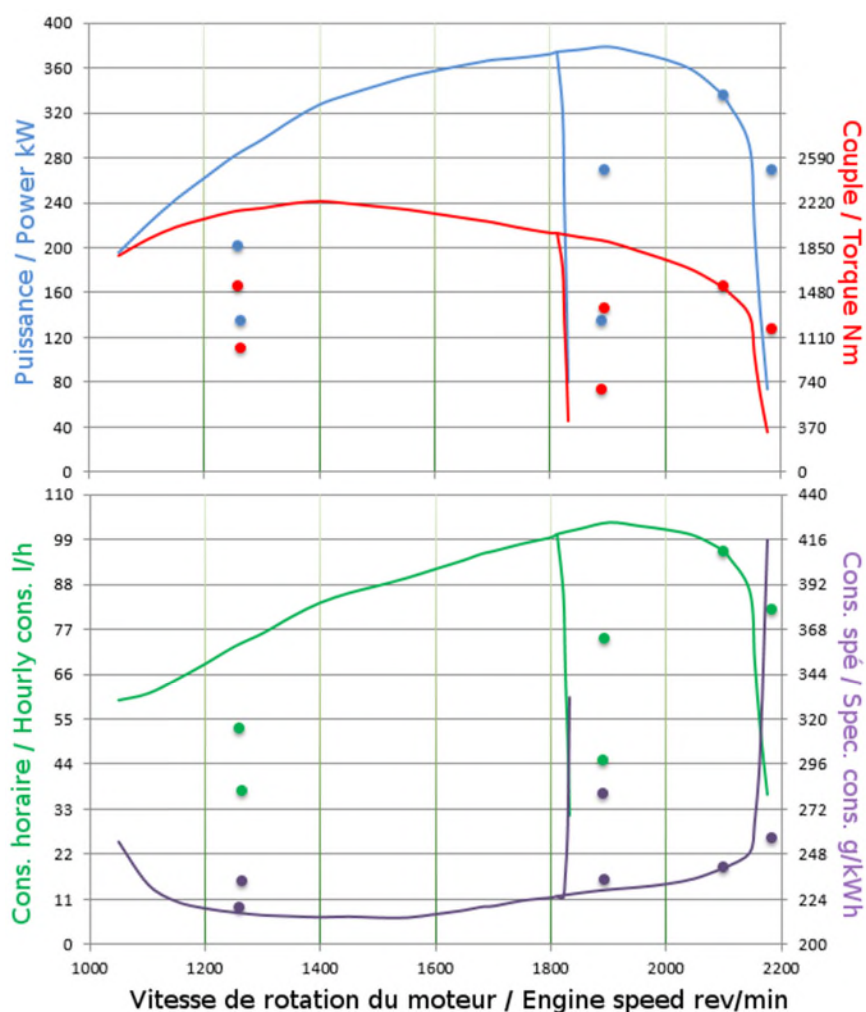
Power, Engine and Power take-off speed	373,6 kW	1811 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		100,17 l/h	226 g/kWh
Hourly and specific urea consumption		8,55 l/h	24,9 g/kWh

Torque rise

46,3 %

Maximum torque, Engine speed corresponding

2232,0 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)	169,2 l/min	15,89 MPa	44,8 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	215,3 l/min	18,75 MPa	67,3 kW

 POWER LIFT

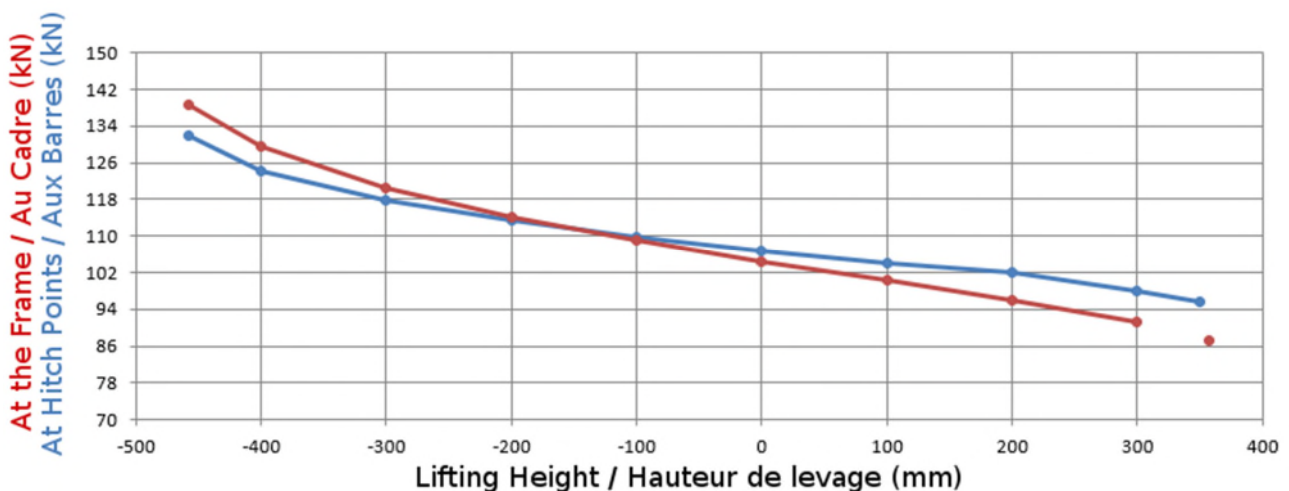
Maximum lifting force

at the hitch points

95,6 kN

at the frame

87,3 kN

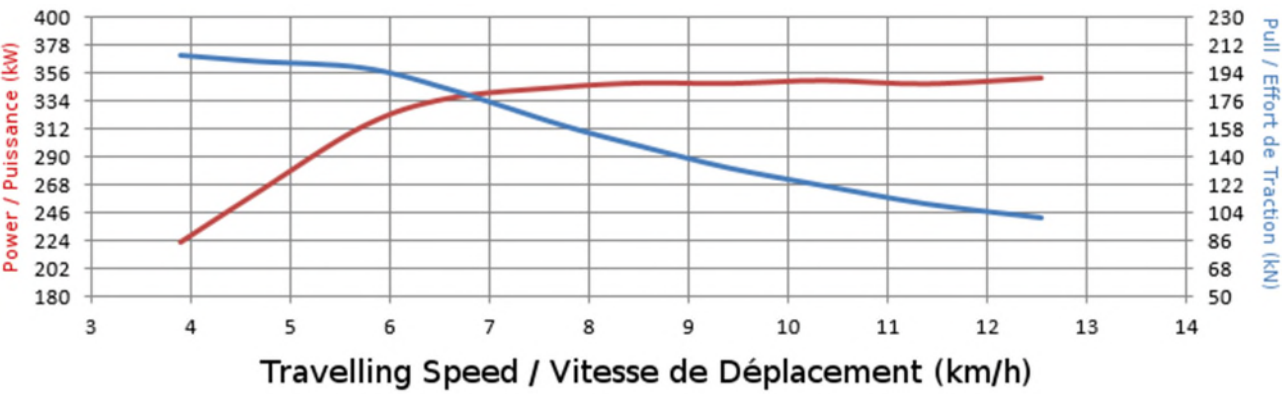


DRAWBAR TEST

Front tyres, Rear tyres	710/70R42	710/70R42
Inflation pressure	90 kPa	55 kPa

UNBALLASTED

Total Mass	21731 kg
Maximum drawbar pull	205,88 kN
at speed of	3,89 km/h
Maximum power	352,66 kW
at speed of	12,55 km/h



BALLASTED

Not Applicable