

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 881</b>
<b>OECD Approval Date</b>	<b>06/03/2015</b>
<b>Make</b>	<b>Case IH</b>
<b>Model</b>	<b>Steiger 540</b>
<b>Type</b>	<b>Articulated 4WD</b>
<b>Transmission</b>	<b>Full Powershift</b>
<b>Speed</b>	<b>40 km/h</b>
<b>Manufacturer</b>	<b>CNH Industrial America, LLC</b>
<b>Testing Station</b>	<b>NTTL – USA</b>



## SPECIFICATIONS

### ENGINE

<i>Make</i>	FPT
<i>Model</i>	Cursor 13 L
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	12880 cm <sup>3</sup>
<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 39,62 km/h

### POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		1160 min <sup>-1</sup>
<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	402,54 kW	1902 min <sup>-1</sup>	1050 min <sup>-1</sup>
Hourly and specific consumption		106,84 l/h	223 g/kWh
Hourly and specific urea consumption		10,29 l/h	27,9 g/kWh

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	356,26 kW	2101 min <sup>-1</sup>	1160 min <sup>-1</sup>
Hourly and specific consumption		100,74 l/h	238 g/kWh
Hourly and specific urea consumption		8,97 l/h	27,4 g/kWh

### Test at standard Power take-off speed

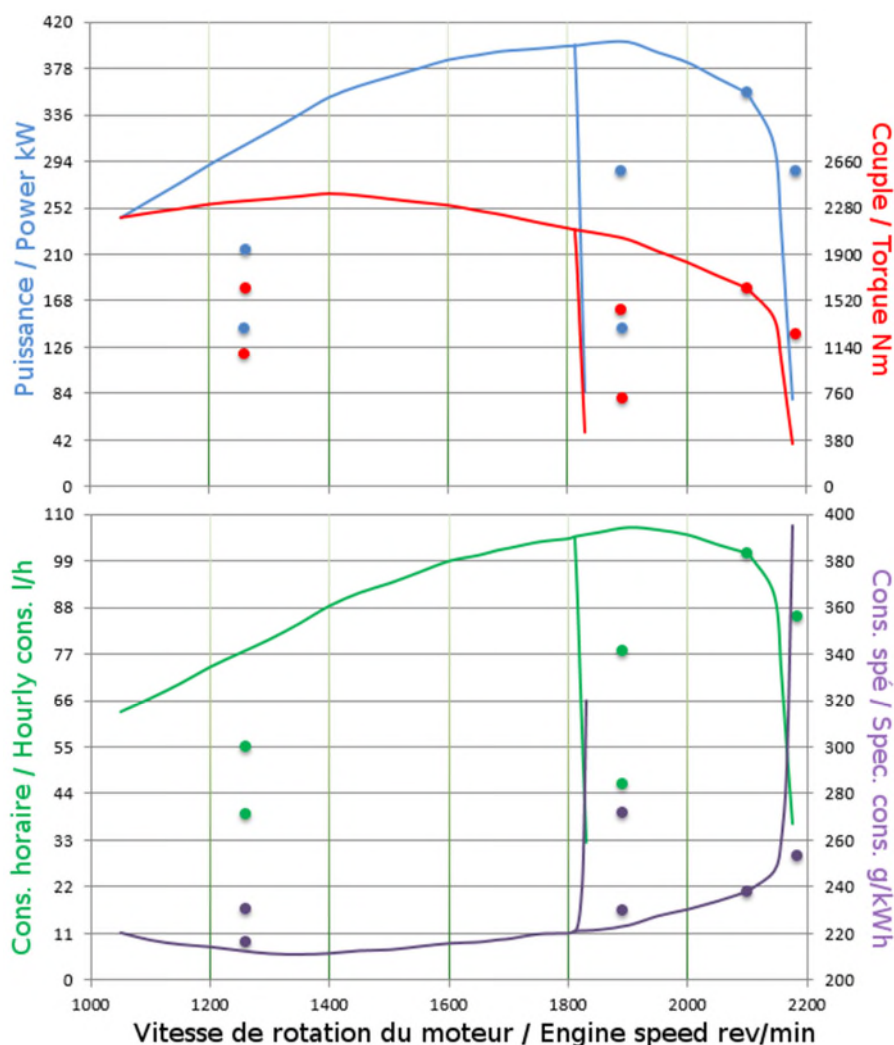
Power, Engine and Power take-off speed	398,99 kW	1811 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		104,69 l/h	221 g/kWh
Hourly and specific urea consumption		9,56 l/h	26,1 g/kWh

### Torque rise

48,3 %

### Maximum torque, Engine speed corresponding

2401,8 Nm

1400 min<sup>-1</sup>

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 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE
 

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*Not applicable*

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 HYDRAULIC PERFORMANCE AND POWER LIFT TEST
 

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Hydraulic system

Closed centre

Relief valve pressure setting (tolerance):

21 +0.5/-1.0 MPa

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 HYDRAULIC PERFORMANCES
 

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At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	153,5 l/min	16,07 MPa	41,1 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	212,4 l/min	18,68 MPa	66,2 kW

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 POWER LIFT
 

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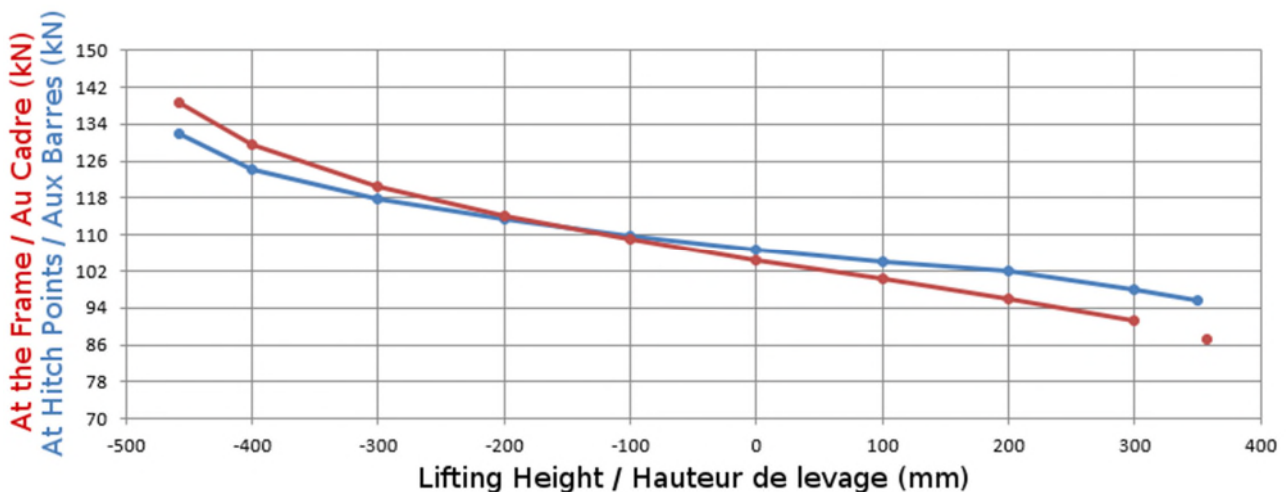
Maximum lifting force

at the hitch points

95,6 kN

at the frame

87,3 kN

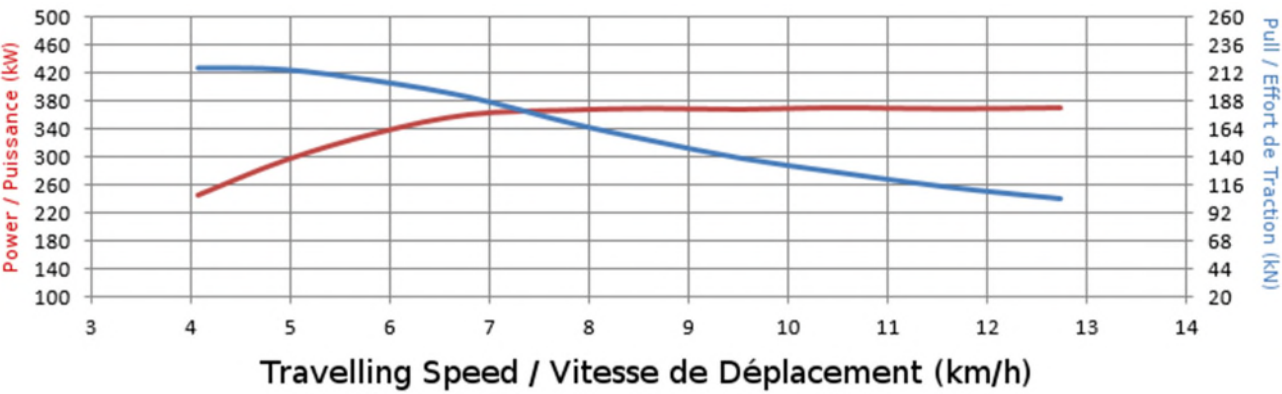


DRAWBAR TEST

Front tyres, Rear tyres	800/70R38	800/70R38
Inflation pressure	83 kPa	55 kPa

UNBALLASTED

Total Mass	22348 kg
Maximum drawbar pull	216,71 kN
at speed of	4,07 km/h
Maximum power	371,47 kW
at speed of	10,49 km/h



BALLASTED

Not Applicable