



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 798

20/12/2013

CASE IH

Steiger Rowtrac 450

Articulated 4WD – Rubber tracks

Full PowerShift - 40 km/h

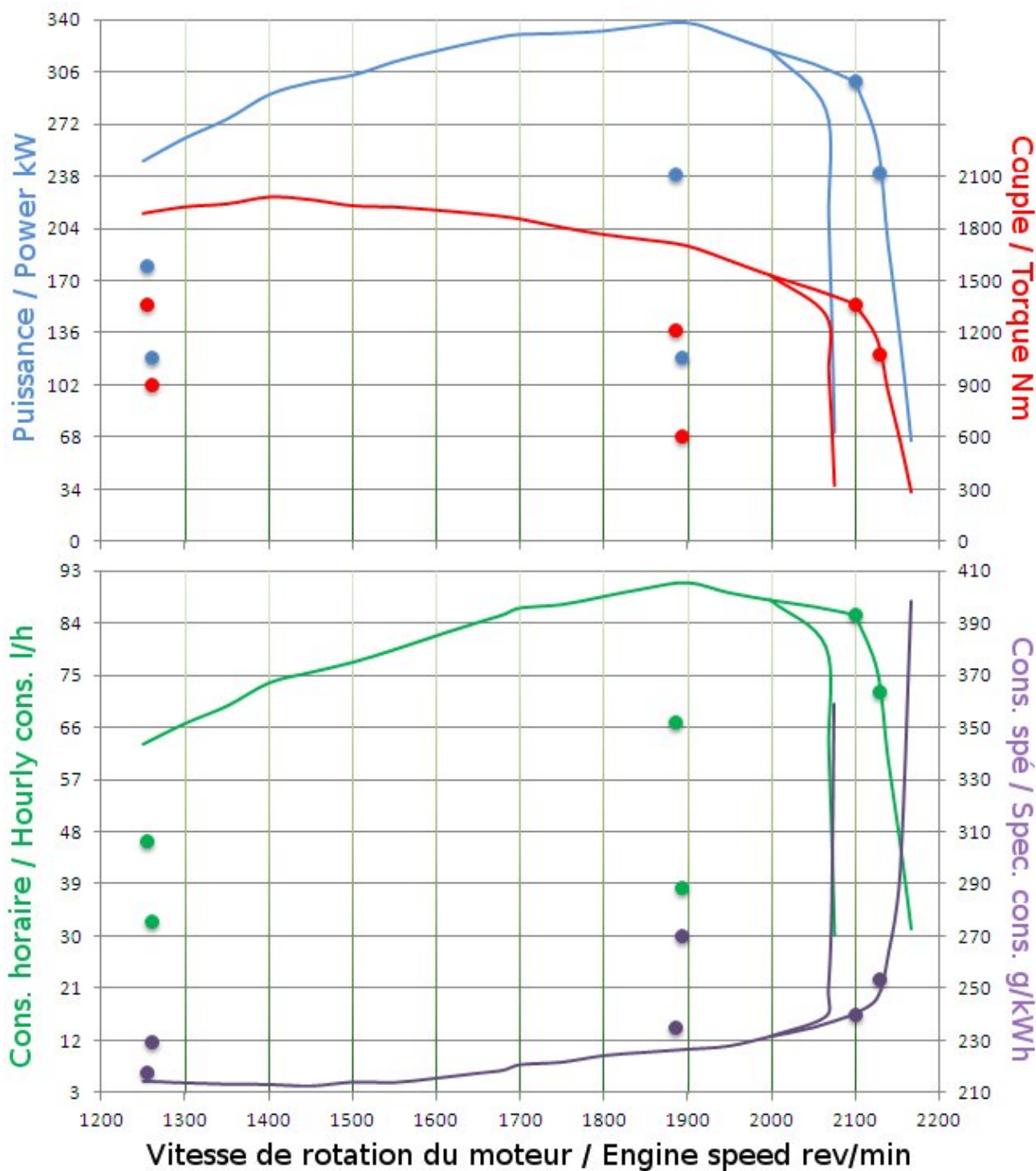
CNH America, LLC

NTTL - U.S.A.

Case IH Steiger Rowtrac 450

4WD with rubber tracks

OCDE/OECD 2/2 798



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FIAT Powertrain (FPT)	Cursor 13L
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	12880 cm ³	Liquid
<i>Gear box</i>		Full PowerShift
<i>Number of forward and reverse speeds</i>	16	2
<i>Speed at rated engine speed</i>	from 4,64	to 39,62 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>		1051 min ⁻¹
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	338,46 kW	1900 min ⁻¹	951 min ⁻¹
<i>Hourly and specific consumption</i>		91,09 l/h	227 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	299,90 kW	2100 min ⁻¹	1051 min ⁻¹
<i>Hourly and specific consumption</i>		85,52 l/h	240 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	320,43 kW	1998 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		88,07 l/h	231 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1985 Nm		1401 min ⁻¹
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Drawbar Test

Front tyres, Rear tyres

<i>Test with tractor</i>	unballasted	ballasted
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Total Mass

	25304 kg
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Maximum drawbar pull

	205,86 kN
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<i>at speed of</i>	3,92 km/h	Not
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<i>Maximum power</i>	295,30 kW	Applicable
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<i>at speed of</i>	9,04 km/h
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	164,0 l/min	15,75 MPa	43,1 kW
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<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	209,7 l/min	18,74 MPa	65,5 kW
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Maximum lifting force

<i>at the hitch points, at frame</i>	102,9 kN	79,5 kN
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