



OECD approval number

2/2 689

OECD approval date

22/03/2012

Make

NEW HOLLAND

Model

T8.390

Type

4WD

Power Shift - 40 km/h

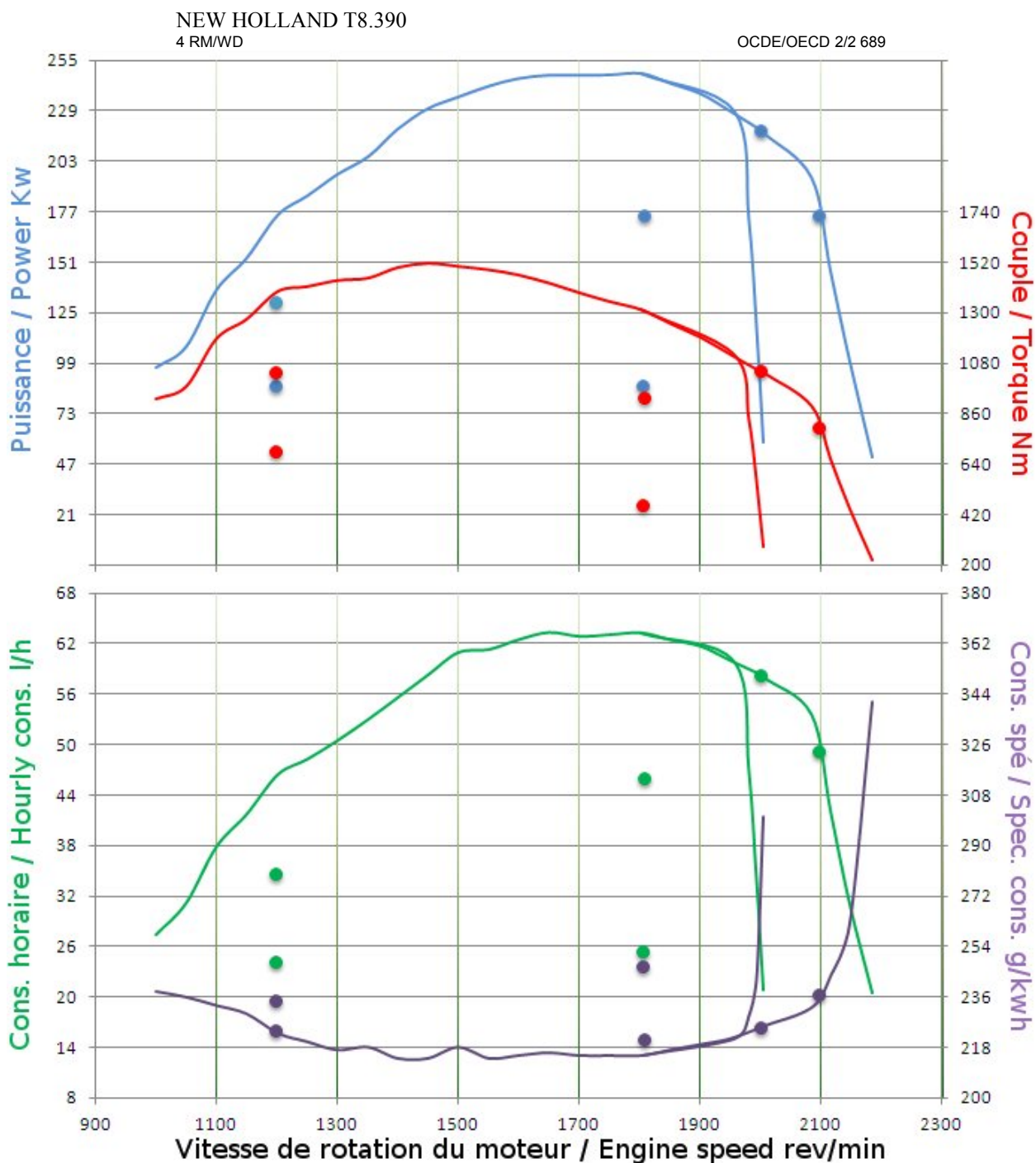
CNH America LLC

Manufacturer:

Nebraska Tractor Test Laboratory

Testing station:

Lincoln, Nebraska U.S.A.



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FPT	Cursor 9L
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8704 cm ³	Liquid
<i>Gear box</i>		Power Shift
<i>Number of forward and reverse speeds</i>	19	4
<i>Speed at rated engine speed</i>	from 3,15	to 45,75 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>	597 min ⁻¹	1109 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	44 mm
<i>Number of splines</i>	6	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	247,87 kW	1803 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		63,21 l/h	215 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	218,96 kW	2000 min ⁻¹	1109 min ⁻¹
<i>Hourly and specific consumption</i>		58,27 l/h	225 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	247,87 kW	1803 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		63,21 l/h	215 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1514 Nm	1450 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/90R30	520/85R42
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	12018 kg	16838 kg
<i>Maximum drawbar pull</i>	119,89 kN	168,97 kN
<i>at speed of</i>	4,95 km/h	3,60 km/h
<i>Maximum power</i>	215,65 kW	214,15 kW
<i>at speed of</i>	9,61 km/h	7,28 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	146,6 l/min	14,96 MPa	36,6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	226,0 l/min	17,71 MPa	66,7 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		77,9 kN	63,4 kN