



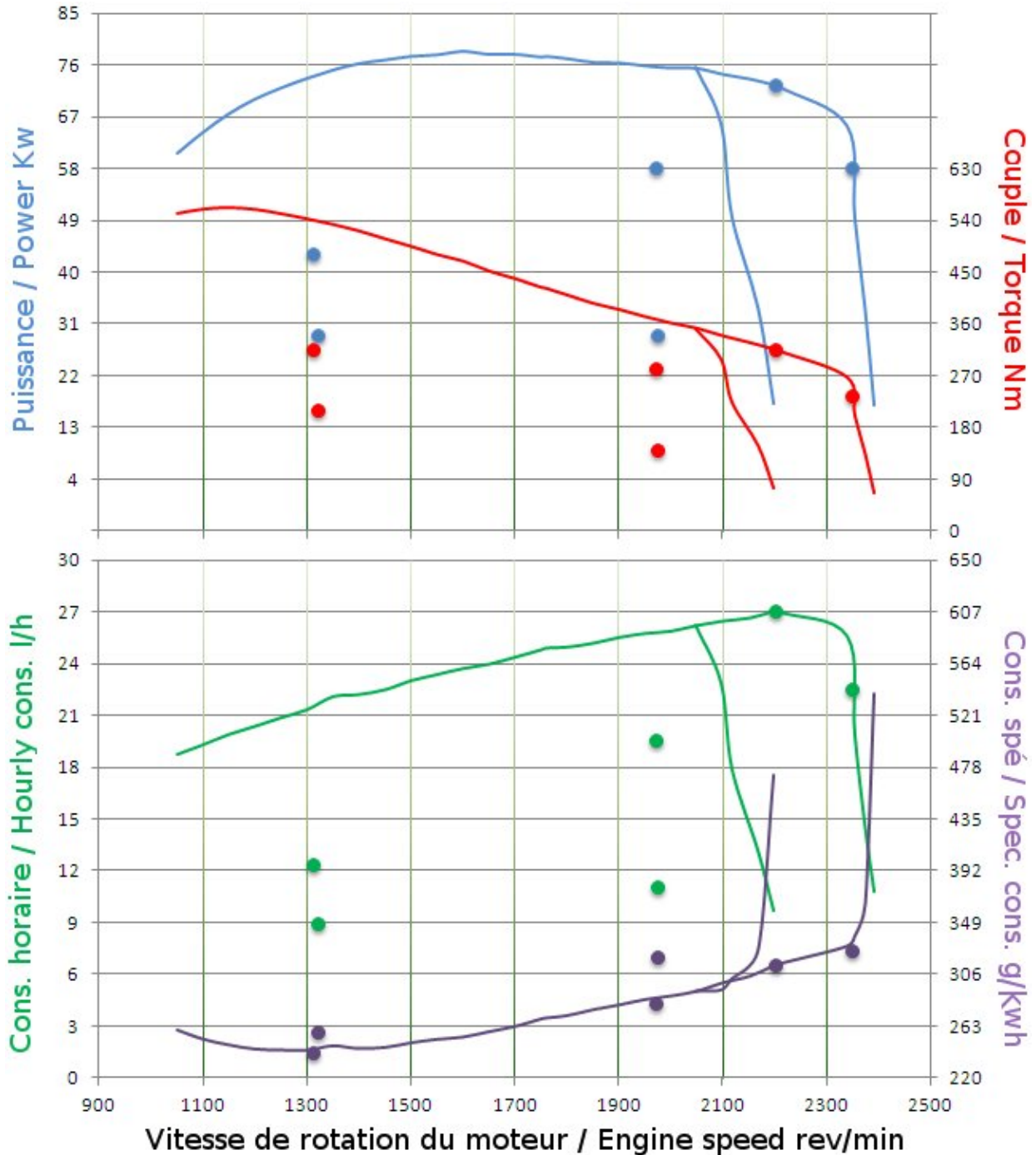
OECD approval number
OECD approval date
Make
Model
Type

2/2 781
 09/09/2013
 New Holland
 TS6.120 AP
 4WD
 Power Shuttle - 30 km/h
 CNH de Mexico, S.A. de C.V.
 Nebraska Tractor Test Laboratory
 Lincoln, Nebraska U.S.A.

Manufacturer:
Testing station:

New Holland TS6.120 AP
4 RM/WD

OCDE/OECD 2/2 781



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FPT	NEF Series, F4CE9484G-J607	
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	4		vertical in line
<i>Capacity, Cooling</i>	4485 cm ³		Liquid
<i>Gear box</i>			Power Shuttle
<i>Number of forward and reverse speeds</i>		8	8
<i>Speed at rated engine speed</i>		from 2,68	to 28,68 km/h
<u>Standard Power take-off speed</u>		540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>		628 min ⁻¹	1074 min ⁻¹
<i>Diameter of the shaft</i>		35 mm	35 mm
<i>Number of splines</i>		6	21

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	77,91 kW	1651 min ⁻¹	806 min ⁻¹
<i>Hourly and specific consumption</i>		23,99 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	72,53 kW	2200 min ⁻¹	1074 min ⁻¹
<i>Hourly and specific consumption</i>		27,07 l/h	313 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	75,49 kW	2049 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		26,22 l/h	292 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>		560,9 Nm	1149 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>		14.9-24	18.4-34
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		4417 kg	
<i>Maximum drawbar pull</i>		34,34 kN	<i>Not</i>
<i>at speed of</i>		5,27 km/h	<i>Applicable</i>
<i>Maximum power</i>		69,38 kW	
<i>at speed of</i>		10,81 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	46,5 l/min	15,17 MPa	11,8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	47,8 l/min	15,32 MPa	12,2 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		17,4 kN	13,8 kN