



OECD approval number

1/2 168

OECD approval date

Full Code

03/09/2004

Make

Shanghai New Holland

Model

SNH704

Type

4 WD

Manufacturer

Shanghai New Holland Agricultural
Machinery Corp. Ltd.

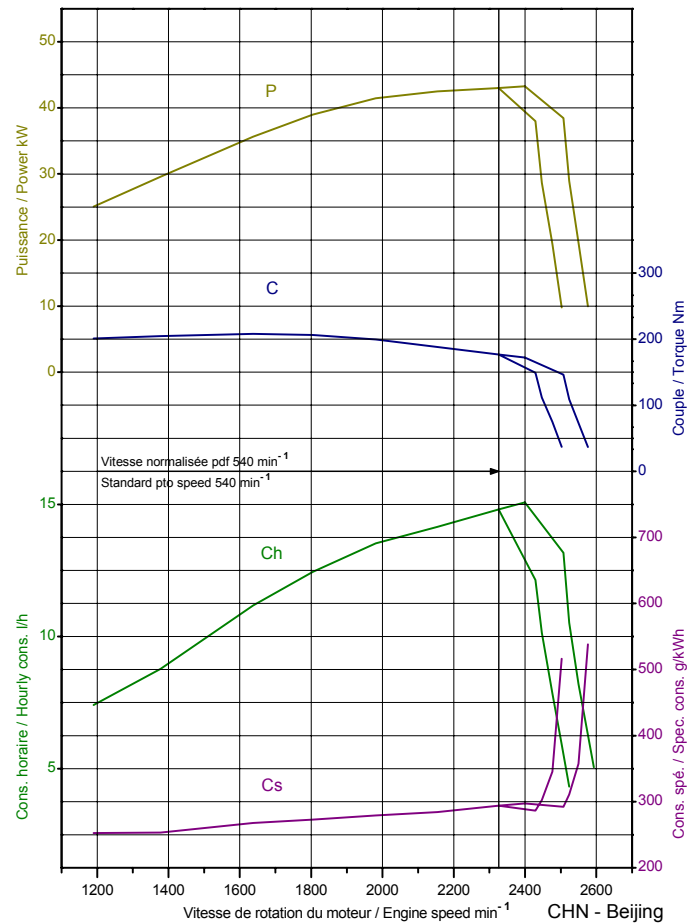
Testing station:

CAMTC, Beijing, China

Shanghai New Holland SNH 704

4 RM/WD

OCDE/OECD 1/2168



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Shanghai New Holland	SNH4100
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3610 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 2.46	to 30.75 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	557 min ⁻¹	1013 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	43.2 kW	2399 min ⁻¹	557 min ⁻¹
<i>Hourly and specific consumption</i>		15.10 l/h	299 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	43.3 kW	2399 min ⁻¹	557 min ⁻¹
<i>Hourly and specific consumption</i>		15.07 l/h	298 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	43.0 kW	2326 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		14.81 l/h	294 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		208.0 Nm	1637 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	8.30 - 24	14.9 - 30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2602 kg	3322 kg
<i>Maximum drawbar pull</i>	20.2 kN	26.2 kN
<i>at speed of</i>	2.30 km/h	2.32 km/h
<i>Maximum power</i>	38.4 kW	39.5 kW
<i>at speed of</i>	9.27 km/h	9.20 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	37.3 l/min	13.0 MPa	8.1 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		17.9 kN	12.1 kN