



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 622

04/08/2011

Shanghai New Holland

TS110

4 WD

mechanical - 30 km/h

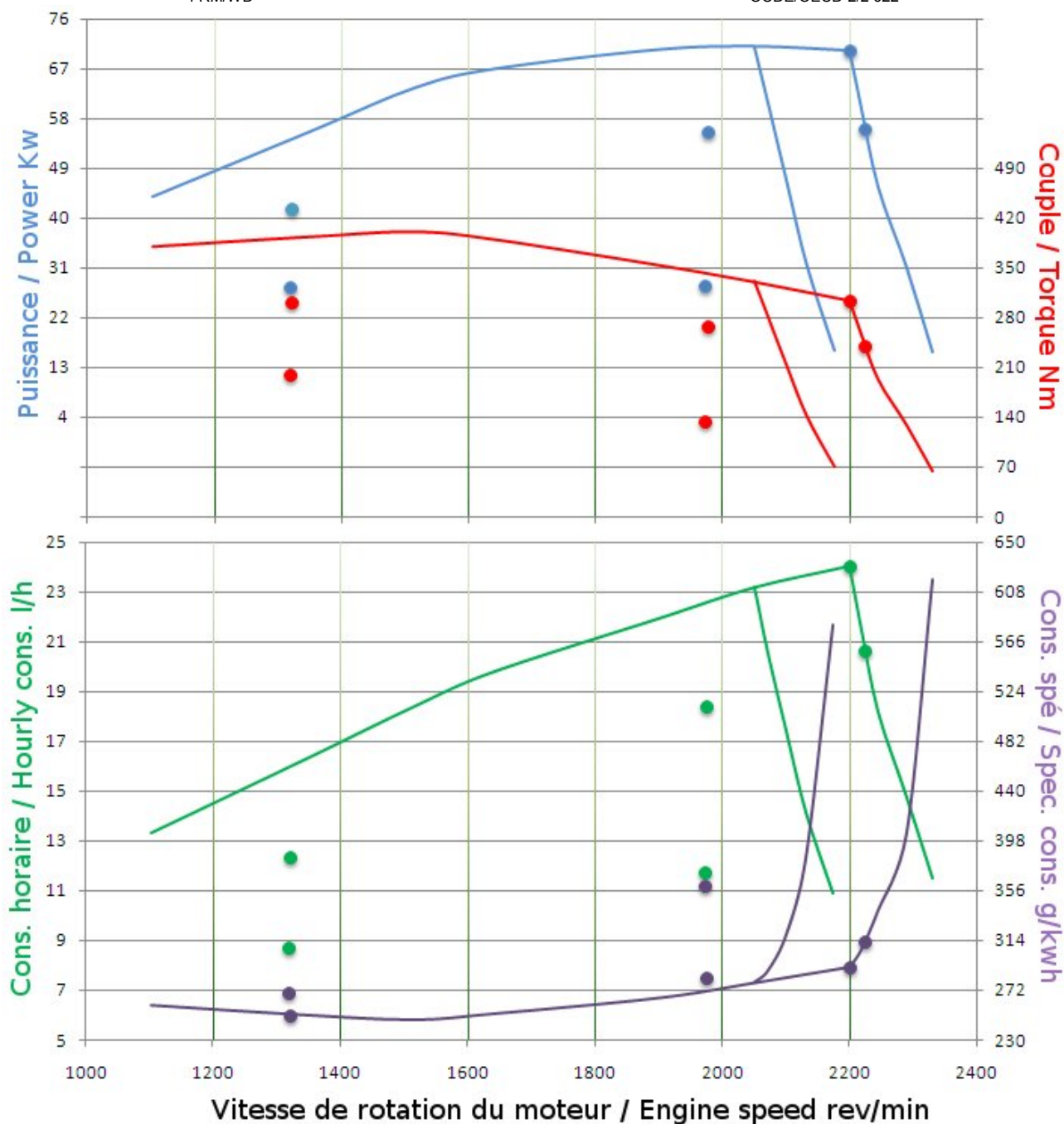
Shanghai New Holland Agricultural

Machinery CO. Ltd.

COTTEC, Luoyang, Henan, China

Shanghai New Holland TS110
4 RM/WD

OCDE/OECD 2/2 622



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Weifang Weichai Deutz Diesel Engine Co., Ltd	TD226B-6IT3
<i>Type, Supercharging</i>	Direct Injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6230 cm ³	Liquid mechanical
<i>Gear box</i>		
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 2,03	to 30.88 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>	629 min ⁻¹	1073 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>	70,99 kW	2050 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23,18 l/h	278,3 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	70,23kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		24,04 l/h	291,7 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	70,99 kW	2050 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23,18 l/h	278,3 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		400 Nm	1517 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	13.6-28	16.9-38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4819 kg	5519 kg
<i>Maximum drawbar pull</i>	39,28 kN	44,44 kN
<i>at speed of</i>	1,77 km/h	1,82 km/h
<i>Maximum power</i>	58,95 kW	61,79 kW
<i>at speed of</i>	6,13 km/h	5,72 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>	46,4 l/min	17,8 MPa	13,77 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	46,5 l/min	17,8 MPa	13,80 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		41,10 kN	31,18 kN