



OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:

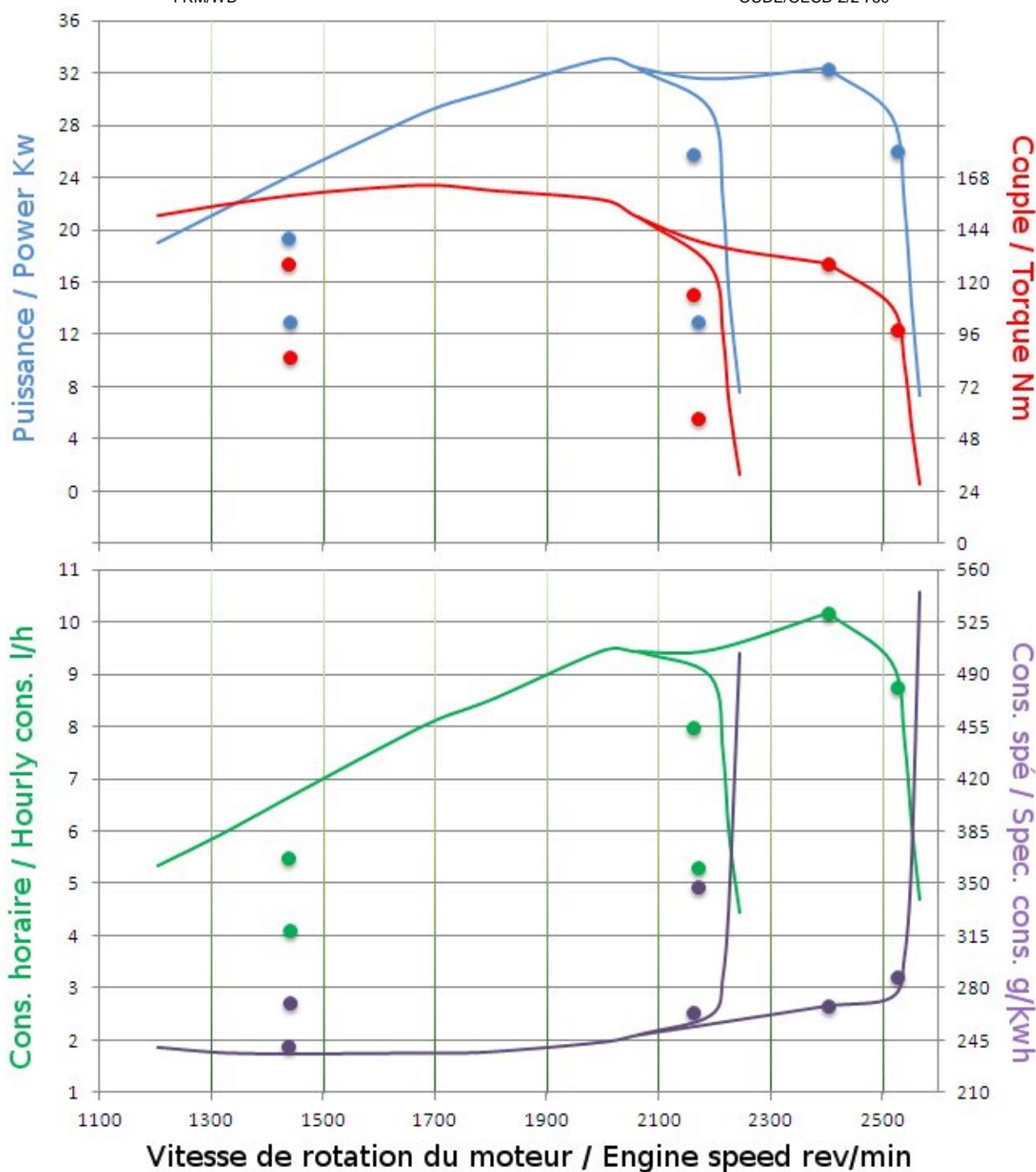
Testing station:

2/2 759
25/03/2013
TAISHAN
TAISHAN-504
4WD

Mechanical - 30 km/h
TAIAN TAISHAN GUOTAI TRACTOR
CO.,LTD
COTTEC – China

TAISHAN TAISHAN-504
4 RM/WD

OCDE/OECD 2/2 759



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zhejiang Xinchai Co., Ltd	A498BT-6A
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3168 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 2,48	to 32,51 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>	633 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	Not
<i>Number of splines</i>	6	Applicable

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	33,04 kW	2002 min ⁻¹	524 min ⁻¹
<i>Hourly and specific consumption</i>		9,46 l/h	244,0 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	32,34 kW	2403 min ⁻¹	629 min ⁻¹
<i>Hourly and specific consumption</i>		10,17 l/h	268,1 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	32,35 kW	2063 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		9,43 l/h	248,6 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		164,4 Nm	1704 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	8.3-20	12.4-R28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2175 kg	2531 kg
<i>Maximum drawbar pull</i>	17,89 kN	20,46 kN
<i>at speed of</i>	2,26 km/h	2,24 km/h
<i>Maximum power</i>	23,68 kW	28,49 kW
<i>at speed of</i>	6,87 km/h	6,86 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>	23,8 l/min	15,8 MPa	6,27 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	24,0 l/min	15,8 MPa	6,32 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		14,37 kN	9,74 kN