



OECD approval number
OECD approval date
Make
Model
Type

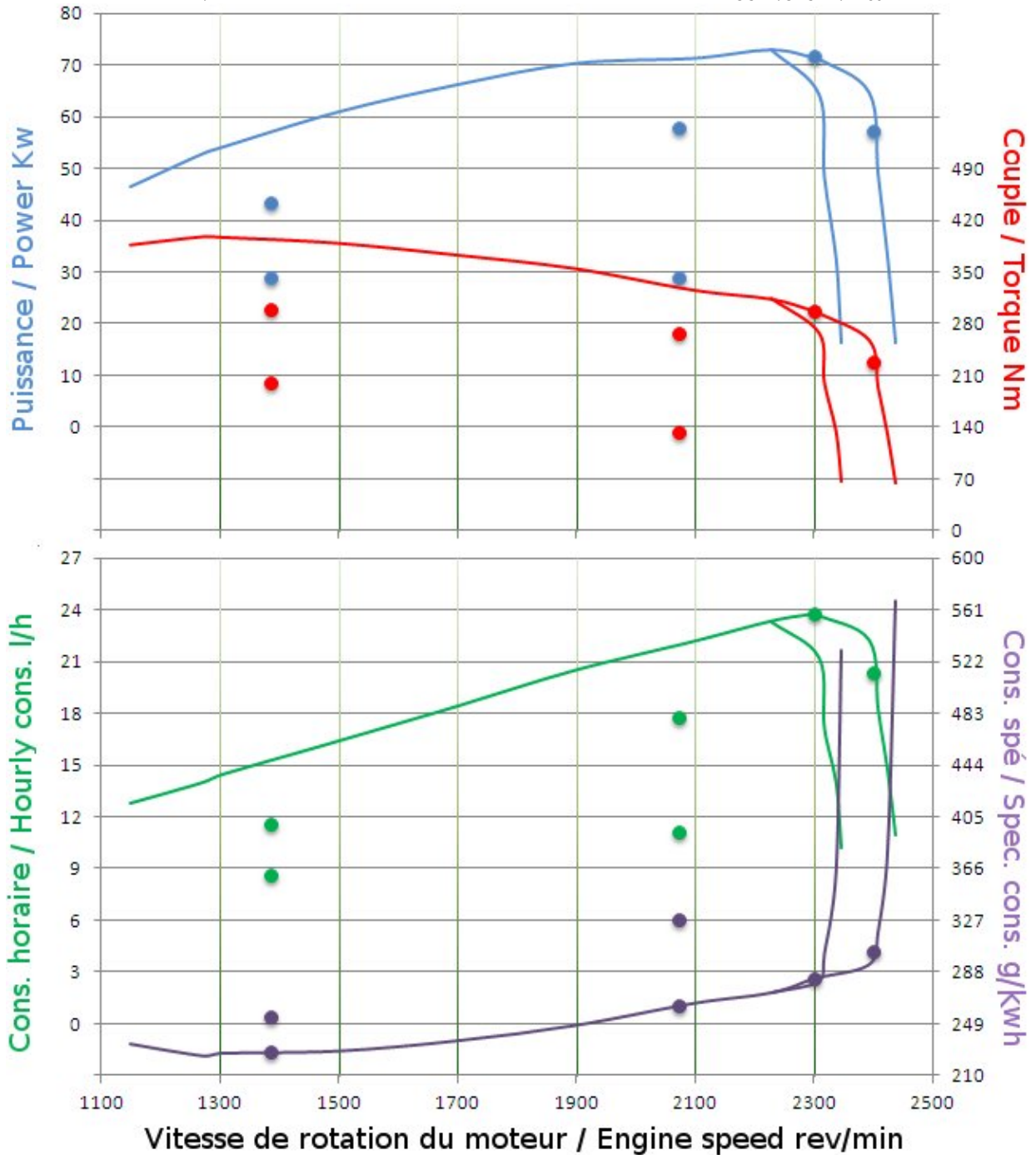
2/2 760
05/04/2013
TAISHAN
TAISHAN-1004
4WD

Manufacturer:
Testing station:

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

TAISHAN TAISHAN-1004
4 RM/WD

OCDE/OECD 2/2 760



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Guangxi Yuchai Machinery Co., Ltd		YC4A110Z-T20
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	4		vertical in line
<i>Capacity, Cooling</i>	4837 cm ³		Liquid
<i>Gear box</i>			Mechanical
<i>Number of forward and reverse speeds</i>		16	8
<i>Speed at rated engine speed</i>		from 0,47	to 35,04 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>			1033 min ⁻¹
<i>Diameter of the shaft</i>		Not	38 mm
<i>Number of splines</i>		Applicable	8
Power take-off Test			
<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	73,09 kW	2227 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23,31 l/h	271,9 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	71,59 kW	2300 min ⁻¹	1033 min ⁻¹
<i>Hourly and specific consumption</i>		23,74 l/h	282,6 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	73,09 kW	2227 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23,31 l/h	271,9 g/kWh
<u>Torque rise</u>			
<i>Maximum torque, Engine speed corresponding</i>		397,8 Nm	1272 min ⁻¹
Drawbar Test			
<i>Front tyres, Rear tyres</i>		11.2-24	16.9-R34
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		3841 kg	4579 kg
<i>Maximum drawbar pull</i>		32,49 kN	37,84 kN
<i>at speed of</i>		2,09 km/h	2,08 km/h
<i>Maximum power</i>		55,98 kW	63,70 kW
<i>at speed of</i>		8,98 km/h	8,99 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>	39,8 l/min	14,1 MPa	9,35 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	40,0 l/min	14,1 MPa	9,40 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		35,05 kN	23,38 kN