



OECD approval number

1/1 736

OECD approval date

Full Code
05/03/1998

Make

Ben Ye

Model

304-16

Type

4 WD

30 km/h

Manufacturer

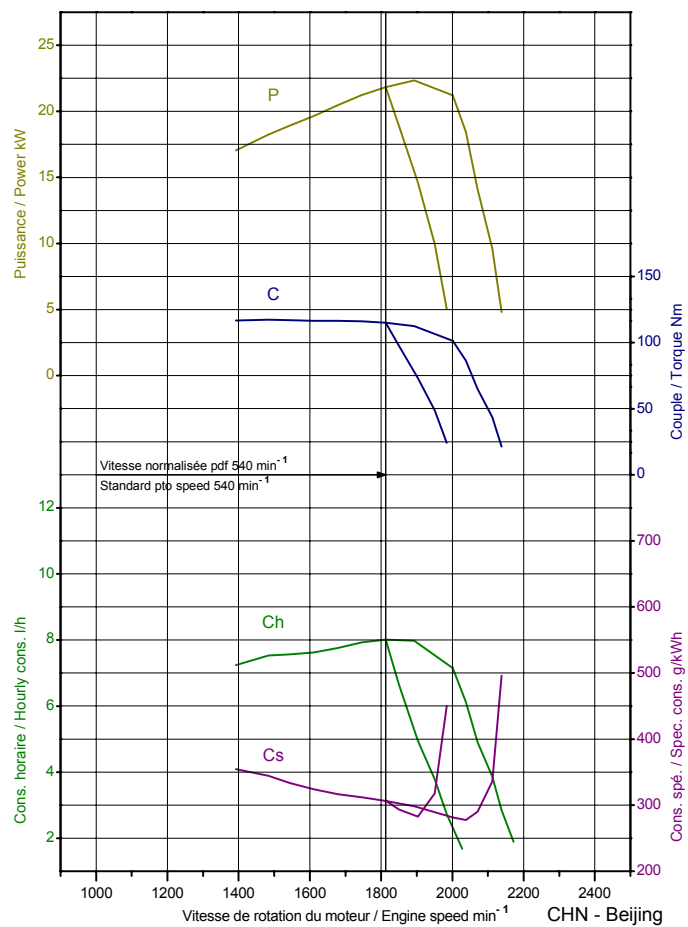
Ningbo Zhongce
Tractor & Automobile Co. Ltd
CAMTC, Beijing, China

Testing station:

Ben Ye 304-16

4 RM/WD

OCDE/OECD 1/1736



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Jiangsu Jianghuai Engine Machinery Group	TY395T
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2230 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8 2
<i>Speed at rated engine speed</i>		from 1.86 to 23.84 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>		596 min ⁻¹ 1128 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	22.3 kW	1893 min ⁻¹	564 min ⁻¹
<i>Hourly and specific consumption</i>		7.98 l/h	298 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	21.2 kW	2001 min ⁻¹	596 min ⁻¹
<i>Hourly and specific consumption</i>		7.15 l/h	281 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	21.8 kW	1813 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		8.01 l/h	307 g/kWh

Torque rise

		15.9 %	
<u>Maximum torque, Engine speed corresponding</u>	117.4 Nm	1483 min ⁻¹	

Drawbar Test

<i>Front tyres, Rear tyres</i>	7.50 - 16	11.2 - 24
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1535 kg	1770 kg
<i>Maximum drawbar pull</i>	13.2 kN	15.0 kN
<i>at speed of</i>	3.02 km/h	2.10 km/h
<i>Maximum power</i>	17.9 kW	18.3 kW
<i>at speed of</i>	7.64 km/h	7.69 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>	16.2 l/min	15.0 MPa	4.1 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		10.4 kN	5.6 kN