



OECD approval number

1/2 005

OECD approval date

Full Code

08/10/2002

Make

Xin Hu

Model

Hongli 800

Type

2 WD

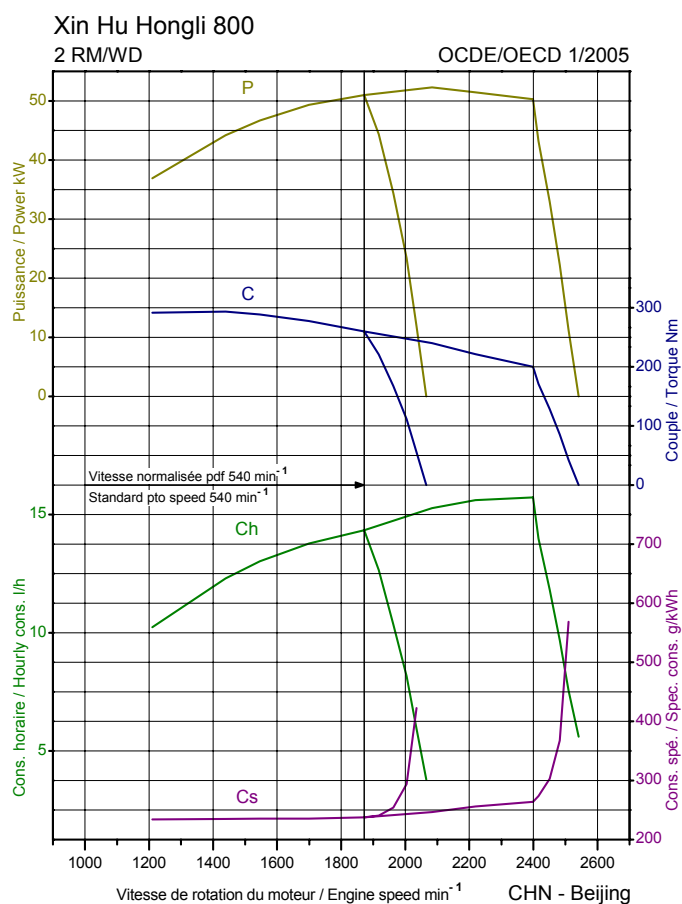
35 km/h

Manufacturer

Shandong Hongli Group Co., Ltd.

Testing station:

CAMTC, Beijing, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dong Fang hong	LRC4105T51
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4670 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8 4
<i>Speed at rated engine speed</i>		from 2.34 to 35.50 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>		692 min ⁻¹ 1254 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>	52.3 kW	2083 min ⁻¹	601 min ⁻¹
<i>Hourly and specific consumption</i>		15.27 l/h	247 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	50.3 kW	2399 min ⁻¹	692 min ⁻¹
<i>Hourly and specific consumption</i>		15.72 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	51.0 kW	1872 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		14.34 l/h	237 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		293.4 Nm	1439 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	6.50 - 20	13.6 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3267 kg	3849 kg
<i>Maximum drawbar pull</i>	19.7 kN	25.1 kN
<i>at speed of</i>	7.46 km/h	2.94 km/h
<i>Maximum power</i>	46.7 kW	46.4 kW
<i>at speed of</i>	9.57 km/h	9.16 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	17.9 kN	14.1 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	27.4 l/min	14.4 MPa 6.6 kW