



OECD approval number

1/2 124

OECD approval date

Full Code
17/05/2004

Make

Dongfanhong

Model

1004

Type

4 WD

30 km/h

Manufacturer

China Yituo Group Co., Ltd

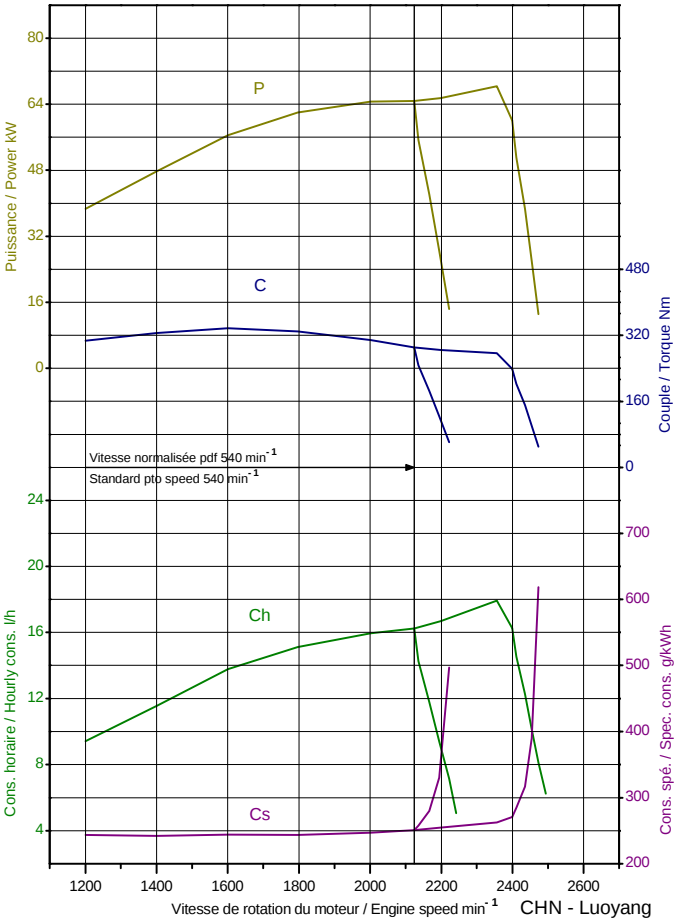
Testing station:

COTTEC, Luoyang, China

Dongfanhong 1004

4 RM/WD

OCDE/OECD 1/2124



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	LR6105T10
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6490 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	4
<i>Speed at rated engine speed</i>	from 2.24	to 29.30 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>	610 min ⁻¹	996 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	68.4 kW	2356 min ⁻¹	599 min ⁻¹
<i>Hourly and specific consumption</i>		21.05 l/h	262 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	60.0 kW	2399 min ⁻¹	610 min ⁻¹
<i>Hourly and specific consumption</i>		19.08 l/h	271 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	64.8 kW	2124 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		19.05 l/h	251 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		336.9 Nm	1601 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 - 24	16.9 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4410 kg	5099 kg
<i>Maximum drawbar pull</i>	37.6 kN	44.9 kN
<i>at speed of</i>	2.01 km/h	2.98 km/h
<i>Maximum power</i>	58.9 kW	60.2 kW
<i>at speed of</i>	9.95 km/h	9.96 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>	44.9 l/min	12.0 MPa	9.0 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		26.7 kN	24.2 kN