



OECD approval number

1/1 954

OECD approval date

Full Code

16/05/2001

Make

Dongfanghong

Model

LF80-90

Type

4 WD

Manufacturer

China Yituo Group Co. Ltd.

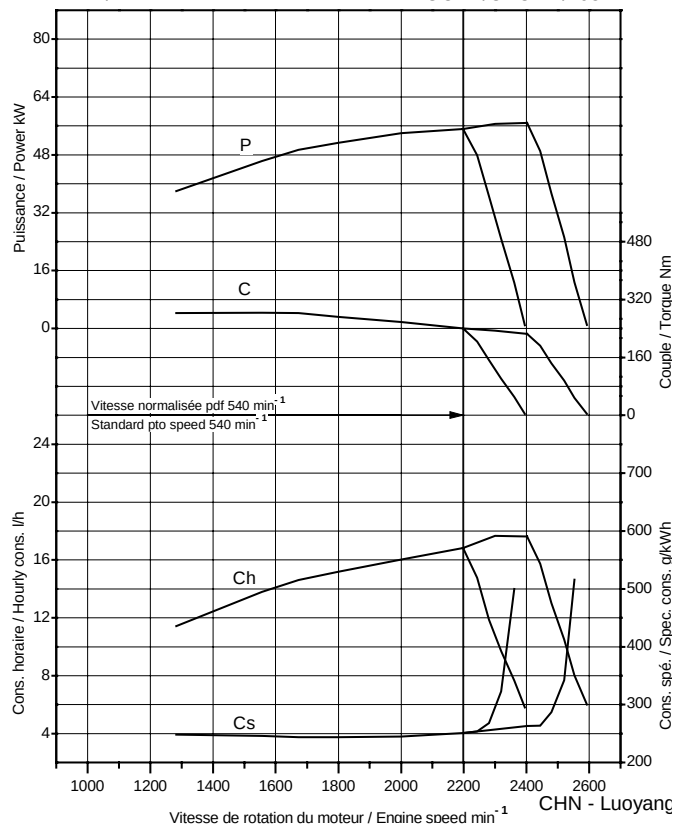
Testing station:

COTTEC, Luoyang, China

Dongfanghong LF80-90

4 RM/WD

OCDE/OECD 1/1954



CHN - Luoyang

Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	LR4105TF-1A
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4330 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 1.70	to 28.50 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>	589 min ⁻¹	1008 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>	56.8 kW	2402 min ⁻¹	590 min ⁻¹
<i>Hourly and specific consumption</i>		17.63 l/h	263 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	56.8 kW	2402 min ⁻¹	590 min ⁻¹
<i>Hourly and specific consumption</i>		17.63 l/h	263 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	55.2 kW	2198 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		16.36 l/h	251 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	284.2 Nm	1556 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	11.2 - 28	16.9 - 34
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3805 kg	4520 kg
<i>Maximum drawbar pull</i>	33.5 kN	38.2 kN
<i>at speed of</i>	4.62 km/h	1.61 km/h
<i>Maximum power</i>	48.5 kW	48.8 kW
<i>at speed of</i>	9.05 km/h	9.26 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	25.6 kN	15.6 kN
<i>At maximum hydraulic power</i>		
<i>Flow rate, Pressure, Power</i>	35.2 l/min	16.4 MPa 9.6 kW