



OECD approval number

2/2 398

OECD approval date

19/02/2008

Make

YTO

Model

354

Type

4 WD

30 km/h

Manufacturer

China YTO (Yituo) Group Co., Ltd.

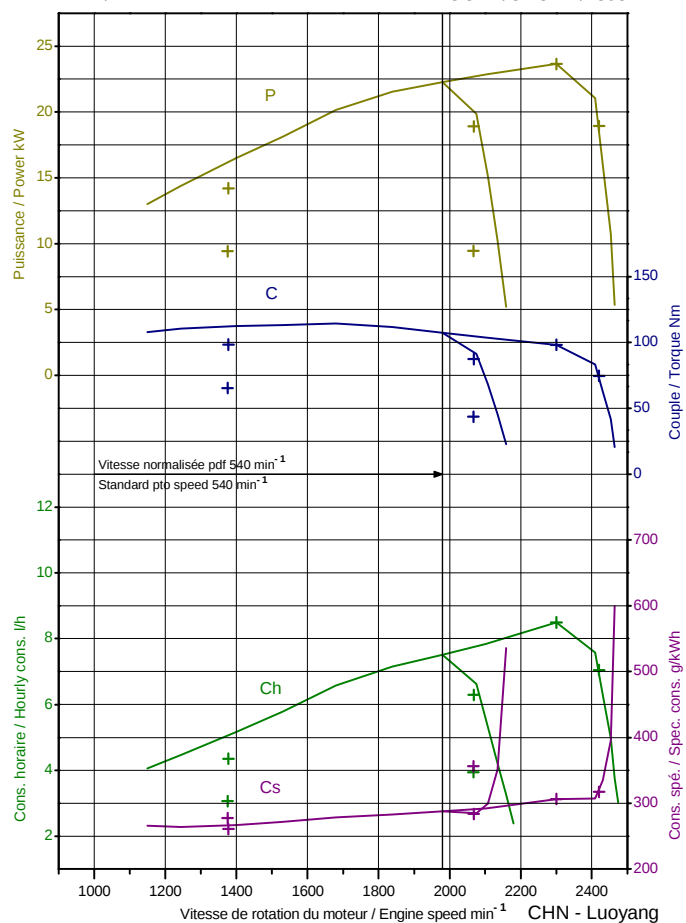
Testing station:

COTTEC, Luoyang, China

YTO - 354

4 RM/WD

OCDE/OECD 2/2398



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	YTR2108T51
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	2	vertical in line
<i>Capacity, Cooling</i>	2199 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 2.38	to 31.15 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>	627 min ⁻¹	1200 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>	23.6 kW	2300 min ⁻¹	627 min ⁻¹
<i>Hourly and specific consumption</i>		8.49 l/h	306 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	23.6 kW	2300 min ⁻¹	627 min ⁻¹
<i>Hourly and specific consumption</i>		8.49 l/h	306 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	22.3 kW	1980 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		7.51 l/h	288 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	114.5 Nm	1680 min ⁻¹	16.6 %
---	----------	------------------------	--------

Drawbar Test

<i>Front tyres, Rear tyres</i>	7.50 - 16	11.2 - 28
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1875 kg	2151 kg
<i>Maximum drawbar pull</i>	14.9 kN	17.9 kN
<i>at speed of</i>	2.19 km/h	2.17 km/h
<i>Maximum power</i>	19.7 kW	20.6 kW
<i>at speed of</i>	6.93 km/h	6.91 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>	Opened centre		
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	23.0 l/min	14.8 MPa	5.7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	23.1 l/min	14.8 MPa	5.7 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>	10.9 kN	8.7 kN	

