



OECD approval number

2/2 399

OECD approval date

19/02/2008

Make

YTO

Model

454

Type

4 WD

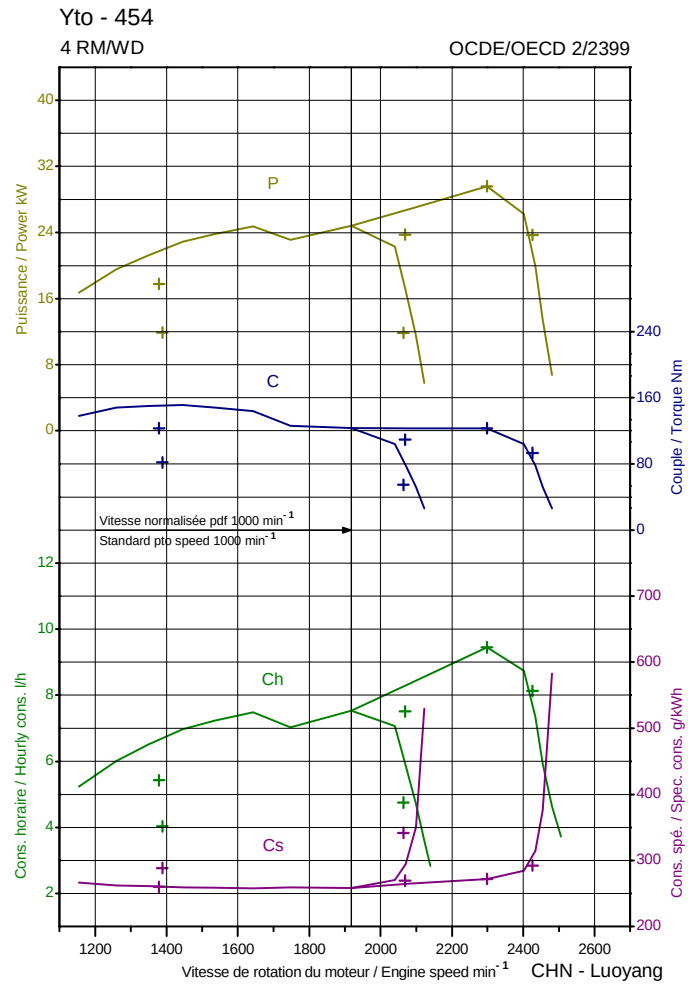
30 km/h

Manufacturer

China YTO (Yituo) Group Co., Ltd.

Testing station:

COTTEC, Luoyang, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zhejiang Xinchai Power Co., Ltd.		495BT
<i>Type, Supercharging</i>	Direct injection		None
<i>Cylinders, Disposition</i>	4		vertical in line
<i>Capacity, Cooling</i>	2977 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 2.48	to 32.53 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>	29.6 kW	2298 min ⁻¹	1199 min ⁻¹
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<i>Hourly and specific consumption</i>		9.45 l/h	272 g/kWh
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Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	29.6 kW	2298 min ⁻¹	1199 min ⁻¹
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<i>Hourly and specific consumption</i>		9.45 l/h	272 g/kWh
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Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	24.8 kW	1918 min ⁻¹	1001 min ⁻¹
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<i>Hourly and specific consumption</i>		7.53 l/h	259 g/kWh
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Torque rise

<i>Maximum torque, Engine speed corresponding</i>		151.3 Nm	1445 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	8.3 -20	12.4 - 28
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Test with tractor

<i>Total Mass</i>	2059 kg	2334 kg
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<i>Maximum drawbar pull</i>	17.2 kN	19.0 kN
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<i>at speed of</i>	3.31 km/h	2.28 km/h
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<i>Maximum power</i>	25.5 kW	26.9 kW
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<i>at speed of</i>	10.31 km/h	10.29 km/h
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	24.1 l/min	14.8 MPa	5.9 kW
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<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	24.2 l/min	14.8 MPa	6.0 kW
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Maximum lifting force

<i>at the hitch points, at frame</i>	15.1 kN	12.3 kN
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