



OECD approval number

1/1 868

OECD approval date

Full Code
08/12/1999

Make

Tong Yang

Model

T390

Type

4 WD

Manufacturer

Tong Yang Moolsan Co., Ltd.

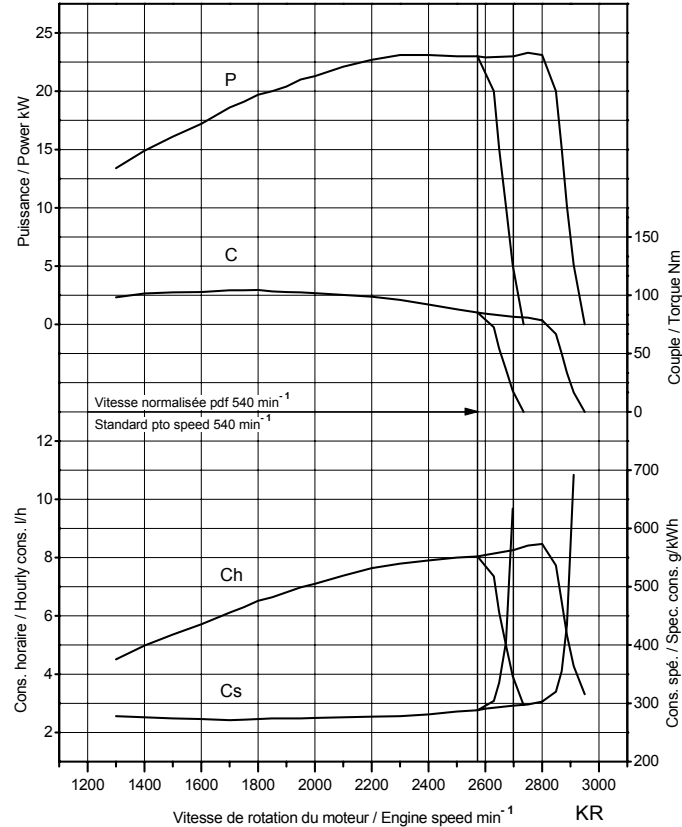
Testing station:

NAMRI, Suwon, Korea

Tong Yang T390

4 RM/WD

OCDE/OECD 1/1868



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Kubota	V1903
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	1857 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 0.41	to 25.99 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>	588 min ⁻¹	None
<i>Diameter of the shaft</i>	35 mm	
<i>Number of splines</i>	6	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	23.3 kW	2750 min ⁻¹	577 min ⁻¹
<i>Hourly and specific consumption</i>		8.41 l/h	298 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	23.1 kW	2800 min ⁻¹	588 min ⁻¹
<i>Hourly and specific consumption</i>		8.47 l/h	303 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	23.0 kW	2573 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		8.04 l/h	288 g/kWh

Torque rise

		33.0 %	
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<u>Maximum torque, Engine speed corresponding</u>	104.5 Nm	1800 min ⁻¹	
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Drawbar Test*Front tyres, Rear tyres*

	8 - 16	13.6 - 24
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<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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<i>Total Mass</i>	1670 kg	1745 kg
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<i>Maximum drawbar pull</i>	11.7 kN	12.3 kN
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<i>at speed of</i>	3.04 km/h	3.04 km/h
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<i>Maximum power</i>	19.9 kW	19.9 kW
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<i>at speed of</i>	9.87 km/h	9.93 km/h
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	32.9 l/min	9.8 MPa	5.4 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	14.8 kN	9.4 kN
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