



OECD approval number

2/1 820

Restricted Code

OECD approval date

15/04/1999

Make

New Holland

Model

TS 100

Type

4 WD

16 speeds - 618625 - 30 km/h

Manufacturer

New Holland UK Ltd

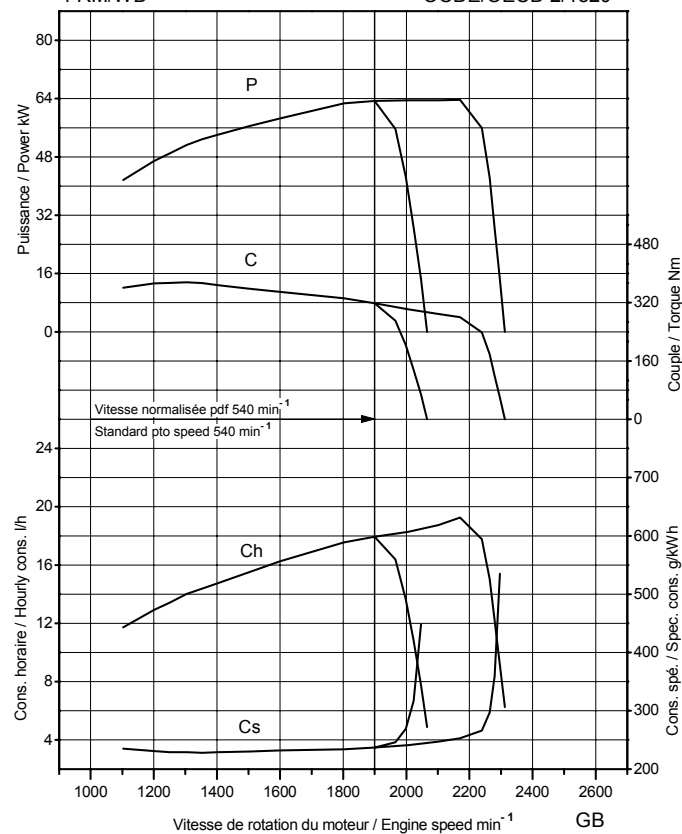
Testing station:

SRI, Silsoe, United Kingdom

New Holland TS 100 - 16-speed Manual Trans.

4 RM/WD

OCDE/OECD 2/1820



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	450T/PF
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4987 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	4
<i>Speed at rated engine speed</i>	from 2.34	to 31.91 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>	616 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>	63.7 kW	2170 min ⁻¹	616 min ⁻¹
<i>Hourly and specific consumption</i>		19.27 l/h	253 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	63.7 kW	2170 min ⁻¹	616 min ⁻¹
<i>Hourly and specific consumption</i>		19.27 l/h	253 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	63.4 kW	1900 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		17.95 l/h	237 g/kWh

Torque rise

		34.1 %
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<u>Maximum torque, Engine speed corresponding</u>	375.8 Nm	1304 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

	13.6 R 28	16.9 R 38
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<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	3724 kg	
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<i>Maximum drawbar pull</i>	40.0 kN	Not
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<i>at speed of</i>	2.13 km/h	required
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<i>Maximum power</i>	57.7 kW	in
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<i>at speed of</i>	8.02 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	62.5 l/min	16.5 MPa	17.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		18.8 kN	14.6 kN
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