



**OECD approval number**

**2/1 826**

**Restricted Code**

**OECD approval date**

**10/06/1999**

**Make**

**New Holland**

**Model**

**TS 100**

**Type**

**4 WD**

24 speeds - 618125 - 40 km/h

*Manufacturer*

New Holland UK Ltd

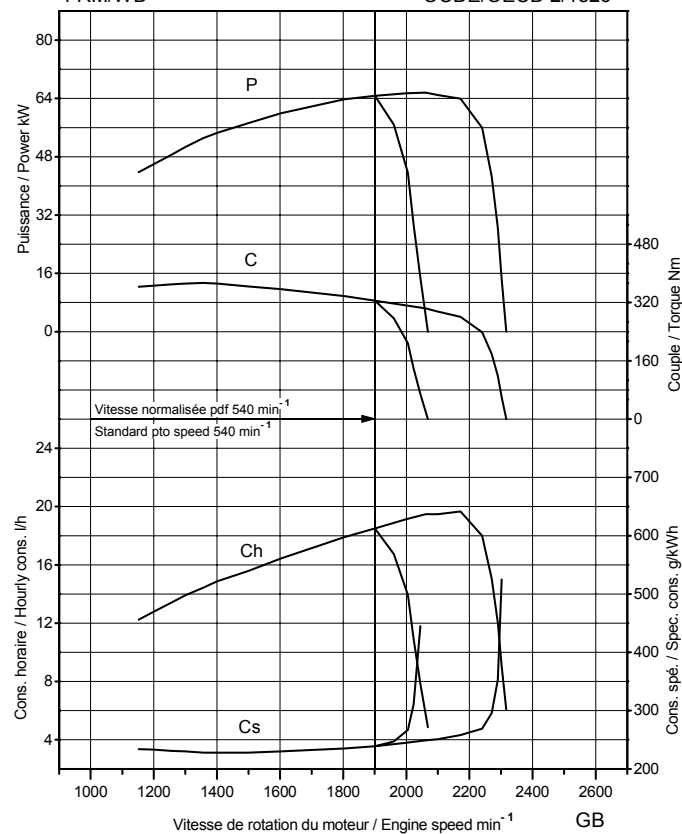
*Testing station:*

SRI, Silsoe, United Kingdom

**New Holland TS100 - 24 Speed Synchromesh Trans.**

**4 RM/WD**

**OCDE/OECD 2/1826**



**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 <sup>3</sup>	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>		24 24
<i>Speed at rated engine speed</i>		from 1.64 to 37.12 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		616 min <sup>-1</sup> None
<i>Diameter of the shaft</i>		35 mm
<i>Number of splines</i>		6

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	65.6 kW	2061 min <sup>-1</sup>	585 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		19.48 l/h	249 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	63.9 kW	2172 min <sup>-1</sup>	617 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		19.66 l/h	258 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	64.7 kW	1901 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		18.51 l/h	239 g/kWh

Torque rise

		33.0 %
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<u>Maximum torque, Engine speed corresponding</u>	373.5 Nm	1357 min <sup>-1</sup>
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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*

	4340 kg	
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<i>Maximum drawbar pull</i>	42.8 kN	Not
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<i>at speed of</i>	2.15 km/h	required
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<i>Maximum power</i>	53.6 kW	in
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<i>at speed of</i>	6.81 km/h	Code 2
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**Hydraulic Performance and Power Lift Test***Hydraulic system*

		Closed centre
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<u>At maximum hydraulic power</u>		
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<i>Flow rate, Pressure, Power</i>	61.4 l/min	16.2 MPa	16.6 kW
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<u>Maximum lifting force</u>		
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<i>at hitch points, at frame</i>	29.5 kN	20.9 kN
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