



OECD approval number

2/1 819

Restricted Code

OECD approval date

14/04/1999

Make

New Holland

Model

TS 110

Type

4 WD

16 speeds - 618635 - 30 km/h

Manufacturer

New Holland UK Ltd

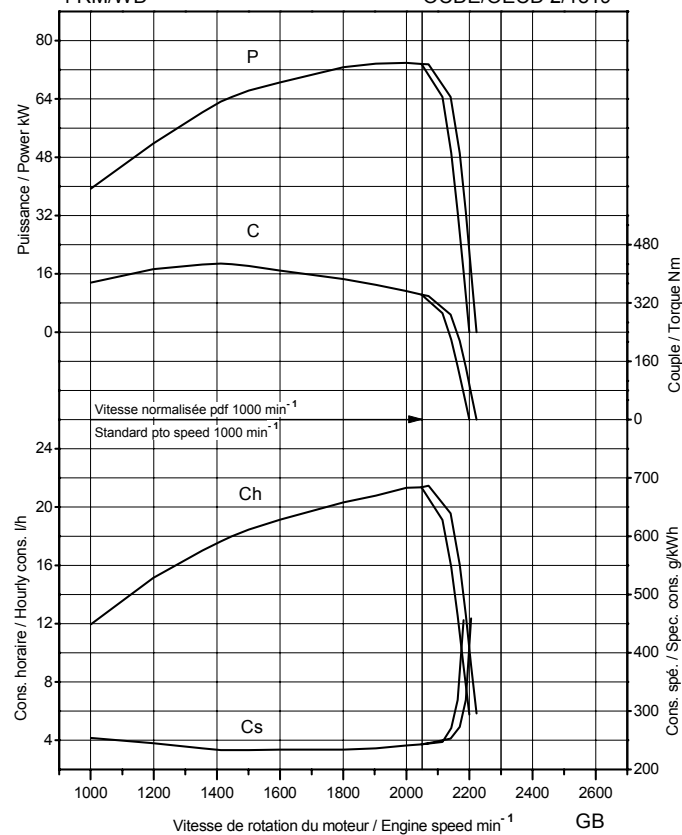
Testing station:

SRI, Silsoe, United Kingdom

New Holland TS 110 - 16-speed Manual Trans.

4 RM/WD

OCDE/OECD 2/1819



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	450T/PD
<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 2.30	to 31.40 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>	591 min ⁻¹	1010 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	73.9 kW	2000 min ⁻¹	976 min ⁻¹
<i>Hourly and specific consumption</i>		21.33 l/h	241 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	73.5 kW	2070 min ⁻¹	1010 min ⁻¹
<i>Hourly and specific consumption</i>		21.47 l/h	245 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	73.6 kW	2048 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		21.36 l/h	243 g/kWh

Torque rise

		26.3 %
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<u>Maximum torque, Engine speed corresponding</u>	428.3 Nm	1412 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 28	18.4 R 38
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<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	3893 kg	
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<i>Maximum drawbar pull</i>	41.8 kN	Not
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<i>at speed of</i>	2.11 km/h	required
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<i>Maximum power</i>	65.1 kW	in
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<i>at speed of</i>	9.67 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>	60.6 l/min	16.2 MPa	16.4 kW
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<u>Maximum lifting force</u>		
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<i>at hitch points, at frame</i>	18.3 kN	14.4 kN
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