



OECD approval number

2/1 827

Restricted Code

OECD approval date

10/06/1999

Make

New Holland

Model

TS 90

Type

4 WD

16 speeds - 618615 - 30 km/h

Manufacturer

New Holland UK Ltd

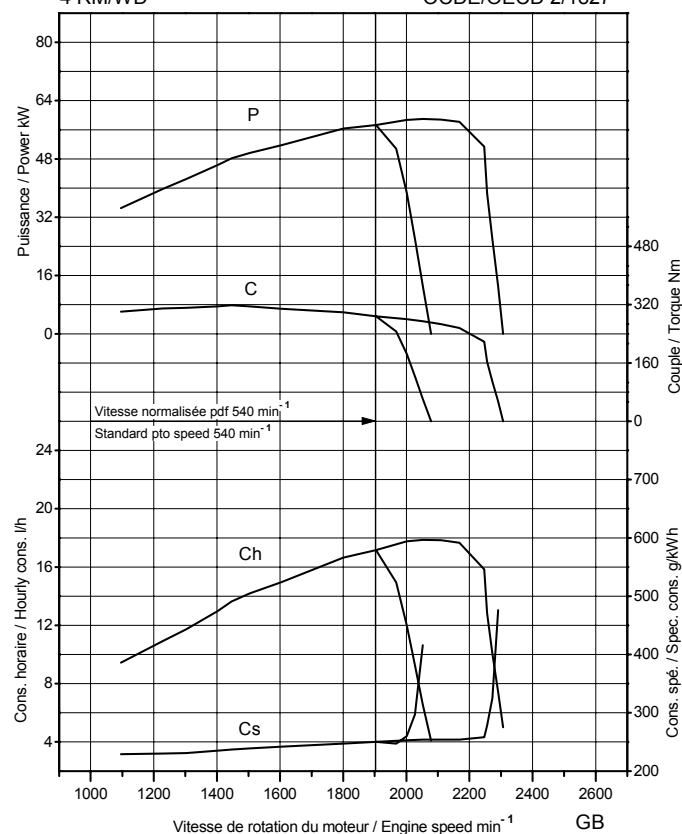
Testing station:

SRI, Silsoe, United Kingdom

New Holland TS90 - 16 Speed Manual Trans. 30 km/h

4 RM/WD

OCDE/OECD 2/1827



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	450/NE
<i>Type, Supercharging</i>	Direct injection	None
<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 2.26	to 30.91 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>	59.0 kW	2053 min ⁻¹	583 min ⁻¹
<i>Hourly and specific consumption</i>		17.86 l/h	254 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	58.2 kW	2168 min ⁻¹	616 min ⁻¹
<i>Hourly and specific consumption</i>		17.67 l/h	254 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	57.3 kW	1903 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		17.16 l/h	250 g/kWh

Torque rise

24.2 %

Maximum torque, Engine speed corresponding318.1 Nm 1446 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

14.9 R 24 18.4 R 34

Test with tractorunballasted ballasted*Total Mass*

3682 kg

Maximum drawbar pull

40.4 kN

*at speed of*2.07 km/h *required**Maximum power*

54.1 kW

*at speed of*9.55 km/h *in Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	59.9 l/min	16.2 MPa	16.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		21.2 kN	15.0 kN
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