



OECD approval number

2/1 801

Restricted Code

OECD approval date

16/12/1998

Make

New Holland

Model

TS100

Type

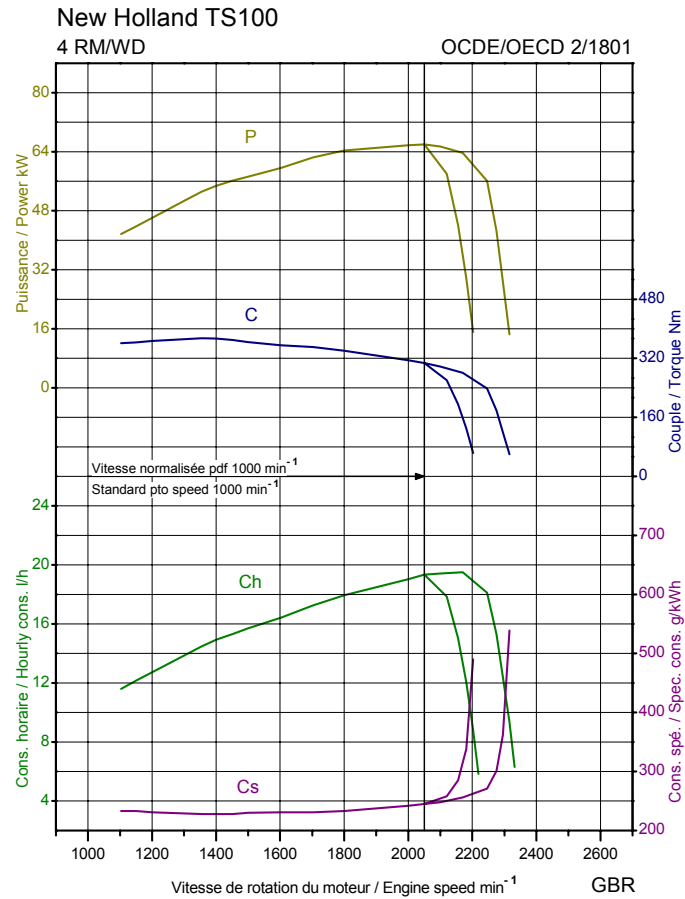
4 WD

Manufacturer

618325 - Powershift  
New Holland UK Ltd.

Testing station:

SRI, Silsoe, United Kingdom



**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                   |
| <i>Number of forward and reverse speeds</i>       | 16                          | 16                           |
| <i>Speed at rated engine speed</i>                | from 2.25                   | to 40.14 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> | 620 min <sup>-1</sup>       | 1059 min <sup>-1</sup>       |
| <i>Diameter of the shaft</i>                      | 34.9 mm                     | 34.9 mm                      |
| <i>Number of splines</i>                          | 6                           | 21                           |

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

|   |         |                        |                        |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 66.0 kW | 2050 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 19.34 l/h              | 245 g/kWh              |

Test at maximum power at rated engine speed

|   |         |                        |                        |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 63.7 kW | 2170 min <sup>-1</sup> | 1059 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 19.50 l/h              | 256 g/kWh              |

Test at standard Power take-off speed

|   |         |                        |                        |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 66.0 kW | 2050 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 19.34 l/h              | 245 g/kWh              |

Torque rise

|   |          |                        |
|---|----------|------------------------|
|   |          | 33.6 %                 |
| <u>Maximum torque, Engine speed corresponding</u> | 374.7 Nm | 1355 min <sup>-1</sup> |

**Drawbar Test**

|                                |                    |                  |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 13.6 R 28          | 16.9 R 38        |
| <u>Test with tractor</u>       | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>              | 4299 kg            |                  |
| <i>Maximum drawbar pull</i>    | 43.5 kN            | Not              |
| <i>at speed of</i>             | 2.51 km/h          | required         |
| <i>Maximum power</i>           | 54.4 kW            | in               |
| <i>at speed of</i>             | 5.85 km/h          | Code 2           |

**Hydraulic Performance and Power Lift Test**

|                                   |            |          |               |
|-----------------------------------|------------|----------|---------------|
| <i>Hydraulic system</i>           |            |          | Closed centre |
| <u>At maximum hydraulic power</u> |            |          |               |
| <i>Flow rate, Pressure, Power</i> | 74.8 l/min | 15.2 MPa | 19.0 kW       |
| <u>Maximum lifting force</u>      |            |          |               |
| <i>at hitch points, at frame</i>  |            | 30.4 kN  | 21.4 kN       |