



OECD approval number

1/1 916

OECD approval date

Full Code

04/09/00

Make

New Holland

Model

TL 100 D

Type

2 WD

L4C2AE - Hi-Lo transmission

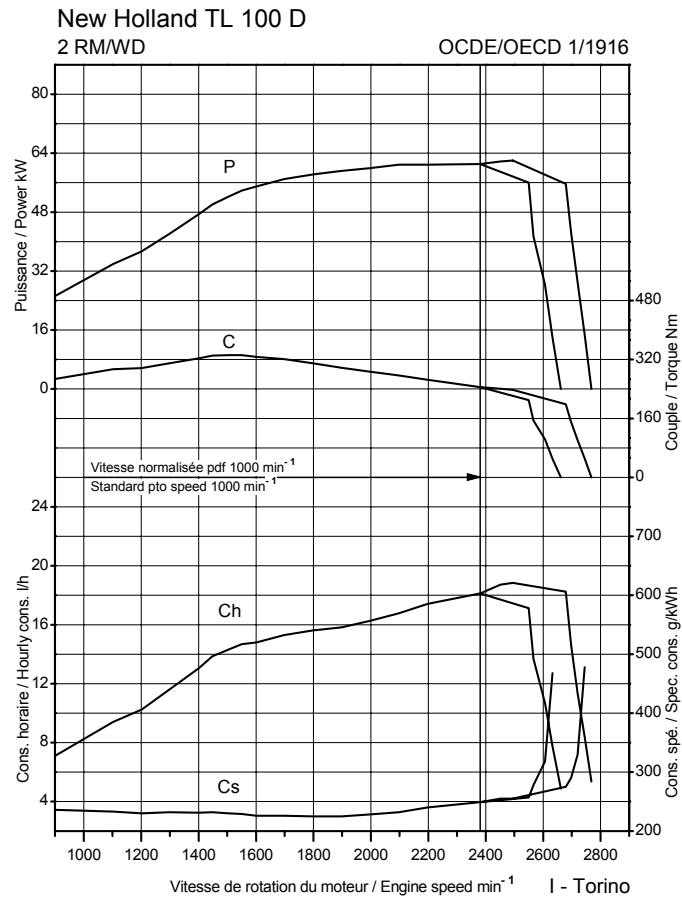
24 forward speeds - 12 reverse speeds - 30 km/h

Manufacturer

New Holland Italia S.p.A.

Testing station:

IMA, Torino, Italy



**Engine, Transmission, Power take-off Specifications**

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Make, Model</i>                                | New Holland                 | Iveco 8045.25K               |
| <i>Type, Supercharging</i>                        | Direct injection            | Yes                          |
| <i>Cylinders, Disposition</i>                     | 4                           | vertical in line             |
| <i>Capacity, Cooling</i>                          | 3908 cm <sup>3</sup>        | By water                     |
| <i>Gear box</i>                                   |                             | Mechanical                   |
| <i>Number of forward and reverse speeds</i>       | 24                          | 12                           |
| <i>Speed at rated engine speed</i>                | from 1.58                   | to 29.67 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> | 614 min <sup>-1</sup>       | 1050 min <sup>-1</sup>       |
| <i>Diameter of the shaft</i>                      | 35 mm                       | 35 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> | 62.0 kW | 2495 min <sup>-1</sup> | 1048 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 18.85 l/h              | 255 g/kWh              |

Test at maximum power at rated engine speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 62.0 kW | 2495 min <sup>-1</sup> | 1048 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 18.85 l/h              | 255 g/kWh              |

Test at standard Power take-off speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 61.1 kW | 2381 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 18.13 l/h              | 249 g/kWh              |

Torque rise

|                                                   |  |          |                        |
|---------------------------------------------------|--|----------|------------------------|
| <i>Maximum torque, Engine speed corresponding</i> |  | 331.8 Nm | 1550 min <sup>-1</sup> |
|---------------------------------------------------|--|----------|------------------------|

**Drawbar Test**

|                                |                    |                  |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 7.50 - 20          | 480/70 - 34      |
| <u>Test with tractor</u>       | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>              | 3690 kg            | 4365 kg          |
| <i>Maximum drawbar pull</i>    | 29.6 kN            | 31.9 kN          |
| <i>at speed of</i>             | 5.39 km/h          | 4.89 km/h        |
| <i>Maximum power</i>           | 51.5 kW            | 53.3 kW          |
| <i>at speed of</i>             | 9.44 km/h          | 9.45 km/h        |

**Power Lift and Hydraulic Performance Test**

|                                                        |            |                  |
|--------------------------------------------------------|------------|------------------|
| <i>Hydraulic system</i>                                |            | Opened centre    |
| <i>Maximum lifting force at hitch points, at frame</i> | 31.9 kN    | 27.5 kN          |
| <u>At maximum hydraulic power</u>                      |            |                  |
| <i>Flow rate, Pressure, Power</i>                      | 37.9 l/min | 16.0 MPa 10.1 kW |

