



OECD approval number

2/2 436

OECD approval date

30/09/2008

Make

Shanghai New Holland

Model

TL5040

Type

2 WD

SNH800 - 30 km/h

Manufacturer:

Shanghai New Holland Agricultural Machinery Co. Ltd.

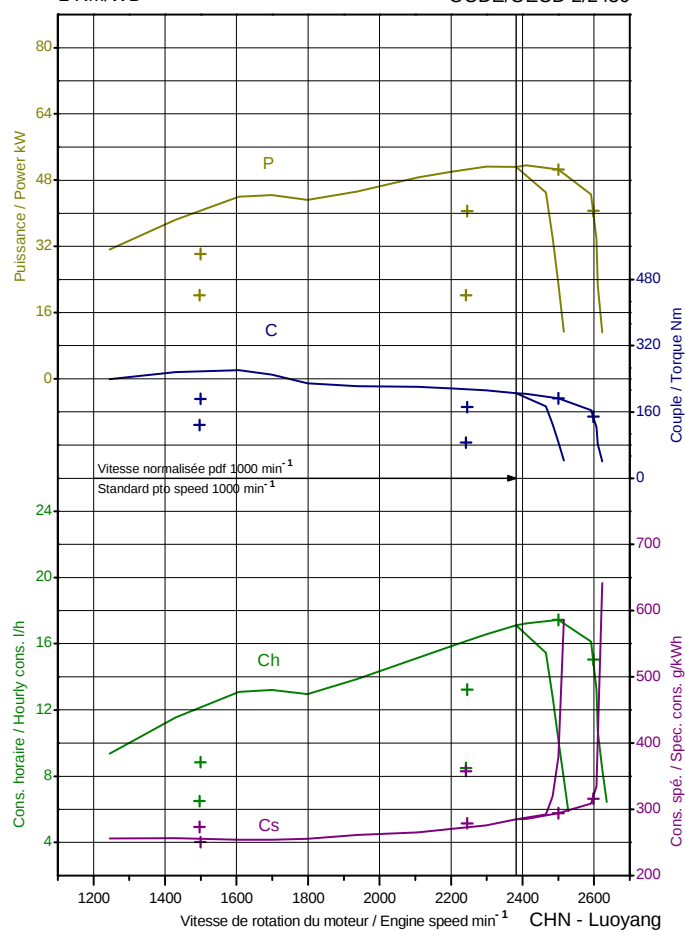
Testing station:

COTTEC, Luoyang, China

Shanghai New Holland TL 5040

2 RM/WD

OCDE/OECD 2/2436



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

|                                                   |                                       |                                                |
|---------------------------------------------------|---------------------------------------|------------------------------------------------|
| <i>Make, Model</i>                                | Weifang Weichai Deutz engine co., Ltd | D226B-4T                                       |
| <i>Type, Supercharging</i>                        | Direct injection                      | None                                           |
| <i>Cylinders, Disposition</i>                     | 4                                     | vertical in line                               |
| <i>Capacity, Cooling</i>                          | 4156 cm <sup>3</sup>                  | Liquid                                         |
| <i>Gear box</i>                                   |                                       | Mechanical synchronized                        |
| <i>Number of forward and reverse speeds</i>       |                                       | 12 4                                           |
| <i>Speed at rated engine speed</i>                |                                       | from 1.68 to 27.70 km/h                        |
| <i>Standard Power take-off speed</i>              |                                       | $540 \text{ min}^{-1}$ $1000 \text{ min}^{-1}$ |
| <i>Power take-off speed at rated engine speed</i> |                                       | $614 \text{ min}^{-1}$ $1050 \text{ min}^{-1}$ |
| <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> | 51.5 kW | $2411 \text{ min}^{-1}$ | $1013 \text{ min}^{-1}$ |
| <i>Hourly and specific consumption</i>        |         | 17.22 l/h               | 285 g/kWh               |

Test at maximum power at rated engine speed

|                                               |         |                         |                         |
|-----------------------------------------------|---------|-------------------------|-------------------------|
| <i>Power, Engine and Power take-off speed</i> | 50.6 kW | $2500 \text{ min}^{-1}$ | $1050 \text{ min}^{-1}$ |
| <i>Hourly and specific consumption</i>        |         | 17.44 l/h               | 294 g/kWh               |

Test at standard Power take-off speed

|                                               |         |                         |                         |
|-----------------------------------------------|---------|-------------------------|-------------------------|
| <i>Power, Engine and Power take-off speed</i> | 51.2 kW | $2382 \text{ min}^{-1}$ | $1000 \text{ min}^{-1}$ |
| <i>Hourly and specific consumption</i>        |         | 17.11 l/h               | 285 g/kWh               |

Torque rise

|                                                   |          |                         |        |
|---------------------------------------------------|----------|-------------------------|--------|
| <i>Maximum torque, Engine speed corresponding</i> | 261.2 Nm | $1607 \text{ min}^{-1}$ | 35.2 % |
|---------------------------------------------------|----------|-------------------------|--------|

**Drawbar Test**

|                                |                    |                  |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 7.50 - 16          | 16.9 - 30        |
| <i>Test with tractor</i>       | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>              | 3120 kg            | 3789 kg          |
| <i>Maximum drawbar pull</i>    | 18.6 kN            | 20.8 kN          |
| <i>at speed of</i>             | 7.79 km/h          | 1.49 km/h        |
| <i>Maximum power</i>           | 43.1 kW            | 44.4 kW          |
| <i>at speed of</i>             | 10.47 km/h         | 10.49 km/h       |

**Hydraulic Performance and Power Lift Test**

|                         |  |               |
|-------------------------|--|---------------|
| <i>Hydraulic system</i> |  | Opened centre |
|-------------------------|--|---------------|

At maximum hydraulic power

|                                                            |            |          |         |
|------------------------------------------------------------|------------|----------|---------|
| <i>Flow rate, Pressure, Power (couplers: 1 pair)</i>       | 45.8 l/min | 17.9 MPa | 13.7 kW |
| <i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i> |            |          |         |

Maximum lifting force

|                                                                              |         |          |
|------------------------------------------------------------------------------|---------|----------|
| <i>at the hitch points, at frame</i>                                         | 23.3 kN | 17.8 kN  |
| <i>at the hitch points, at frame (1 internal &amp; 2 external cylinders)</i> | 37.3 kN | 25.63 kN |

