



OECD approval number

OECD approval date

Make

Model

Type

2/2 510

07/09/2009

New Holland

TD 5050

4 WD

JNBS4A - 12 speeds - 30 km/h

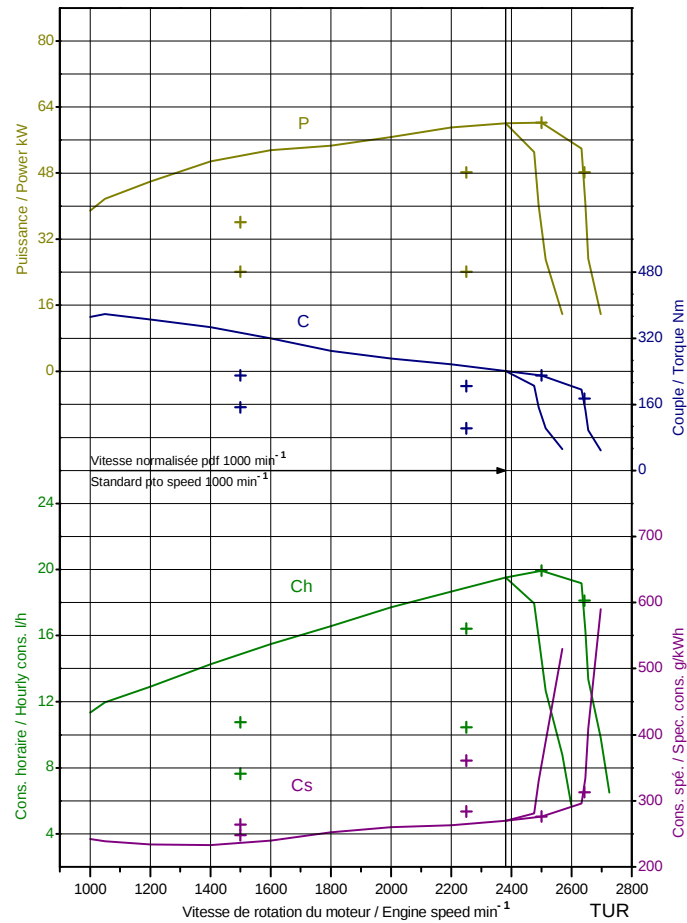
Manufacturer: Türk Traktör ve Ziraat Makinaları A.Ş.

Testing station: TAMTEST, Ankara, Turkey

New Holland TD 5050

4 RM/WD

OCDE/OECD 2/2510



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Iveco, FPT	445TA/MNE
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4485 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 1.82	to 29.98 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	614 min ⁻¹	1050 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>	60.2 kW	2500 min ⁻¹	1050 min ⁻¹
<i>Hourly and specific consumption</i>		19.94 l/h	276 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	60.2 kW	2500 min ⁻¹	1050 min ⁻¹
<i>Hourly and specific consumption</i>		19.94 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	60.1 kW	2381 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.52 l/h	270 g/kWh

Torque rise

		64.7 %	
<u>Maximum torque, Engine speed corresponding</u>	378.8 Nm	1050 min ⁻¹	

Drawbar Test

<i>Front tyres, Rear tyres</i>	13.6 R 24	18.4 R 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3654 kg	
<i>Maximum drawbar pull</i>	33.0 kN	Not
<i>at speed of</i>	5.36 km/h	required
<i>Maximum power</i>	55.5 kW	
<i>at speed of</i>	9.49 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	55.6 l/min	12.5 MPa	11.6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	55.6 l/min	12.5 MPa	11.6 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>	21.4 kN	16.9 kN	

