



OECD approval number

1/2 350

OECD approval date

**Full Code
07/06/2006**

Make

New Holland

Model

TN 85 DA

Type

2 WD

E4D2 - 16 speeds - 30 km/h

Manufacturer

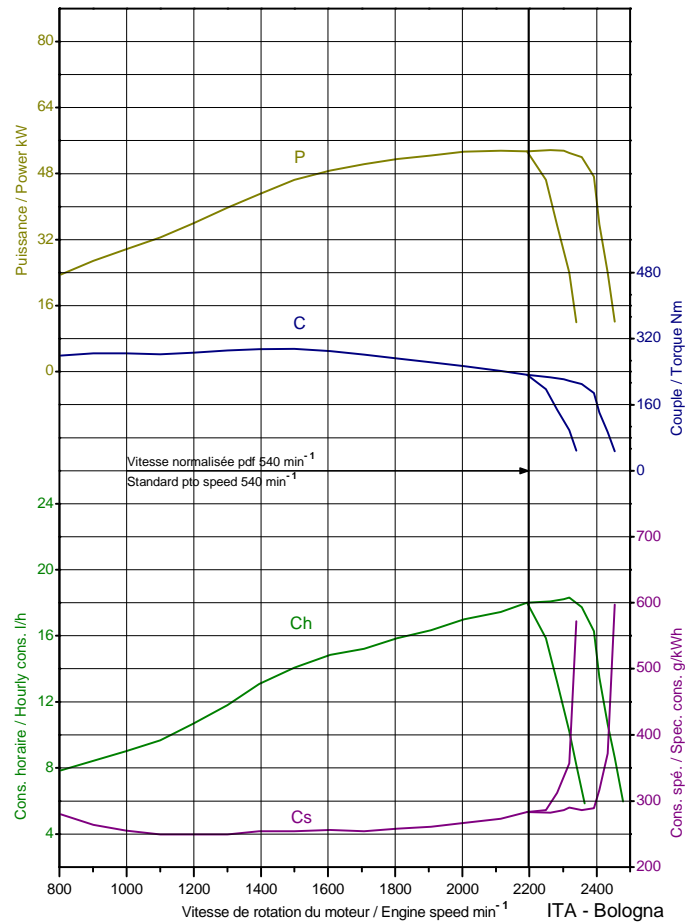
CNH International S.A.

Testing station: **Università di Bologna, Bologna, Italy**

New Holland TN 85 DA

2 RM/WD

OCDE/OECD 1/2350



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	CNH UK	F4CE0404A
<i>Type, Supercharging</i>	Direct injection	None
<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>		16 16
<i>Speed at rated engine speed</i>		from 0.63 to 30.35 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>		565 min ⁻¹ 1017 min ⁻¹
<i>Diameter of the shaft</i>		35 mm 35 mm
<i>Number of splines</i>		6 21

Power take-off Test

<u>Two hours test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	53.7 kW	2262 min ⁻¹	555 min ⁻¹
<i>Hourly and specific consumption</i>		18.09 l/h	282 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	53.5 kW	2302 min ⁻¹	565 min ⁻¹
<i>Hourly and specific consumption</i>		18.23 l/h	286 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	53.4 kW	2192 min ⁻¹	538 min ⁻¹
<i>Hourly and specific consumption</i>		18.01 l/h	283 g/kWh
<u>Torque rise</u>			33.4 %
<u>Maximum torque, Engine speed corresponding</u>		296.1 Nm	1500 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>		7.50 - 16	16.9 R 30
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		2825 kg	3315 kg
<i>Maximum drawbar pull</i>		22.1 kN	23.7 kN
<i>at speed of</i>		5.24 km/h	3.57 km/h
<i>Maximum power</i>		44.8 kW	45.6 kW
<i>at speed of</i>		9.55 km/h	9.68 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</i>	43.3 l/min	17.9 MPa	12.9 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		22.4 kN	18.5 kN

