



OECD approval number

1/2 355

OECD approval date

Full Code
15/06/2006

Make

New Holland

Model

TN 85 A

Type

2 WD

E4S2 - 12 speeds - 30 km/h

Manufacturer

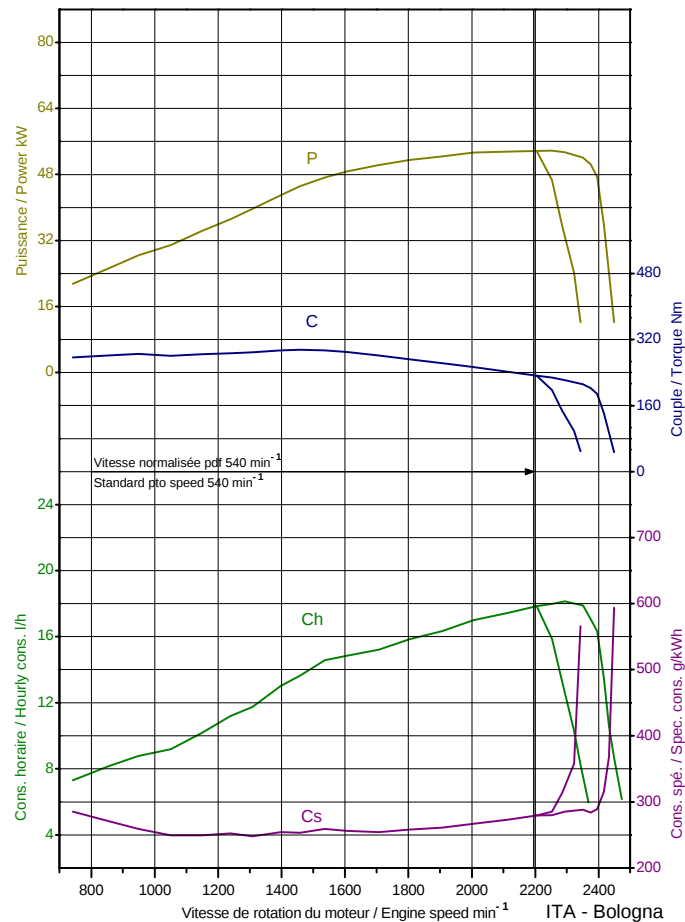
CNH International S.A.

Testing station: Università di Bologna, Bologna, Italy

New Holland TN 85 A

2 RM/WD

OCDE/OECD 1/2355



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>	12	12
<i>Speed at rated engine speed</i>	from 1.82	to 30.35 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>	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 TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	53.8 kW	2253 min ⁻¹	553 min ⁻¹
<i>Hourly and specific consumption</i>		17.98 l/h	280 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	53.4 kW	2294 min ⁻¹	563 min ⁻¹
<i>Hourly and specific consumption</i>		18.14 l/h	285 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	53.7 kW	2205 min ⁻¹	541 min ⁻¹
<i>Hourly and specific consumption</i>		17.85 l/h	279 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		295.9 Nm	1459 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	7.50 - 16	16.9 R 30
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2625 kg	3115 kg
<i>Maximum drawbar pull</i>	20.2 kN	21.8 kN
<i>at speed of</i>	4.41 km/h	5.38 km/h
<i>Maximum power</i>	45.2 kW	45.4 kW
<i>at speed of</i>	9.49 km/h	9.43 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power</i>	43.9 l/min	18.0 MPa	13.1 kW
<i>Maximum lifting force</i>			
<i>at hitch points, at frame</i>		21.9 kN	18.4 kN