



OECD approval number

1/2 151

OECD approval date

Full Code

23/07/2004

Make

New Holland

Model

TN 75 A

Type

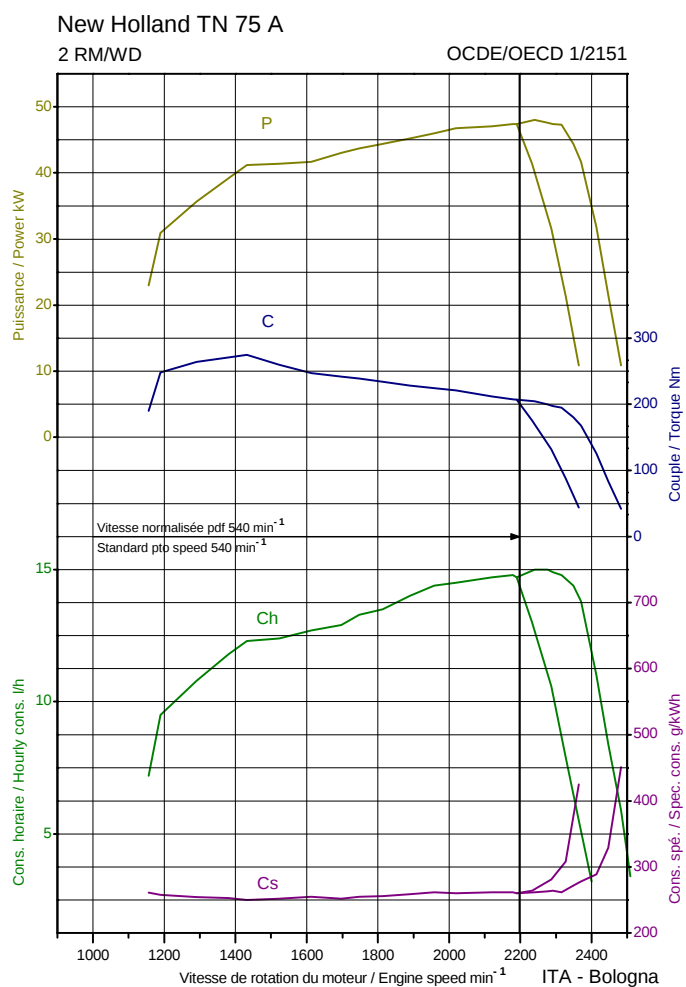
2 WD

E3S2 - 16 speeds - 30 km/h

Manufacturer

CNH International S.A.

Testing station: Università di Bologna, Bologna, Italy



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	CNH Italia	IVECO 8035.25
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2930 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 30.13 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 TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	48.0 kW	2240 min ⁻¹	550 min ⁻¹
<i>Hourly and specific consumption</i>		15.00 l/h	262 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	47.4 kW	2291 min ⁻¹	563 min ⁻¹
<i>Hourly and specific consumption</i>		14.90 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	47.4 kW	2190 min ⁻¹	538 min ⁻¹
<i>Hourly and specific consumption</i>		14.70 l/h	260 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		274.5 Nm	1432 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>	2365 kg	2855 kg
<i>Maximum drawbar pull</i>	19.2 kN	23.1 kN
<i>at speed of</i>	1.84 km/h	3.49 km/h
<i>Maximum power</i>	40.2 kW	41.1 kW
<i>at speed of</i>	9.58 km/h	9.78 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>	58.9 l/min	16.4 MPa 16.1 kW
<u>Maximum lifting force</u>		
<i>at hitch points, at frame</i>		20.7 kN 17.2 kN