



OECD approval number

1/2 167

OECD approval date

Full Code
30/08/2004

Make

New Holland

Model

TN 70 DA

Type

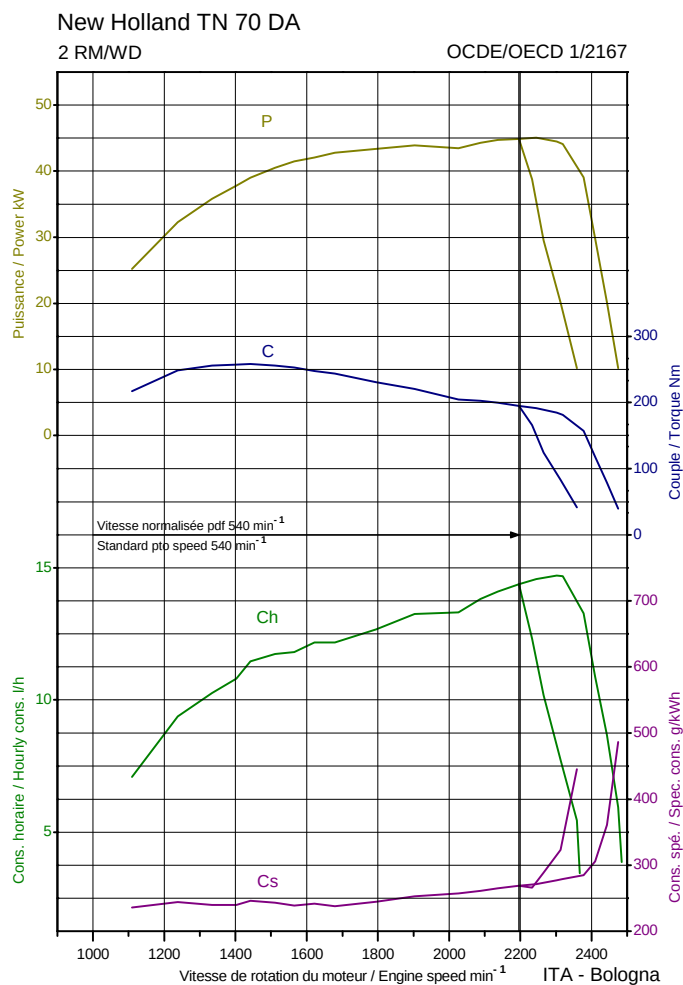
2 WD

E2C2 - 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 8035.25R
<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>	45.1 kW	2245 min ⁻¹	552 min ⁻¹
<i>Hourly and specific consumption</i>		14.58 l/h	271 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	44.5 kW	2302 min ⁻¹	566 min ⁻¹
<i>Hourly and specific consumption</i>		14.70 l/h	277 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	44.9 kW	2196 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		14.38 l/h	269 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		258.4 Nm	1442 min ⁻¹
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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>		2675 kg	3165 kg
<i>Maximum drawbar pull</i>		21.4 kN	23.0 kN
<i>at speed of</i>		4.34 km/h	2.41 km/h
<i>Maximum power</i>		37.4 kW	37.1 kW
<i>at speed of</i>		13.23 km/h	8.59 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>	40.4 l/min	19.3 MPa	13.0 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		21.4 kN	17.4 kN