



OECD approval number

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OECD approval date

Full Code
30/08/2004

Make

New Holland

Model

TN 70 A

Type

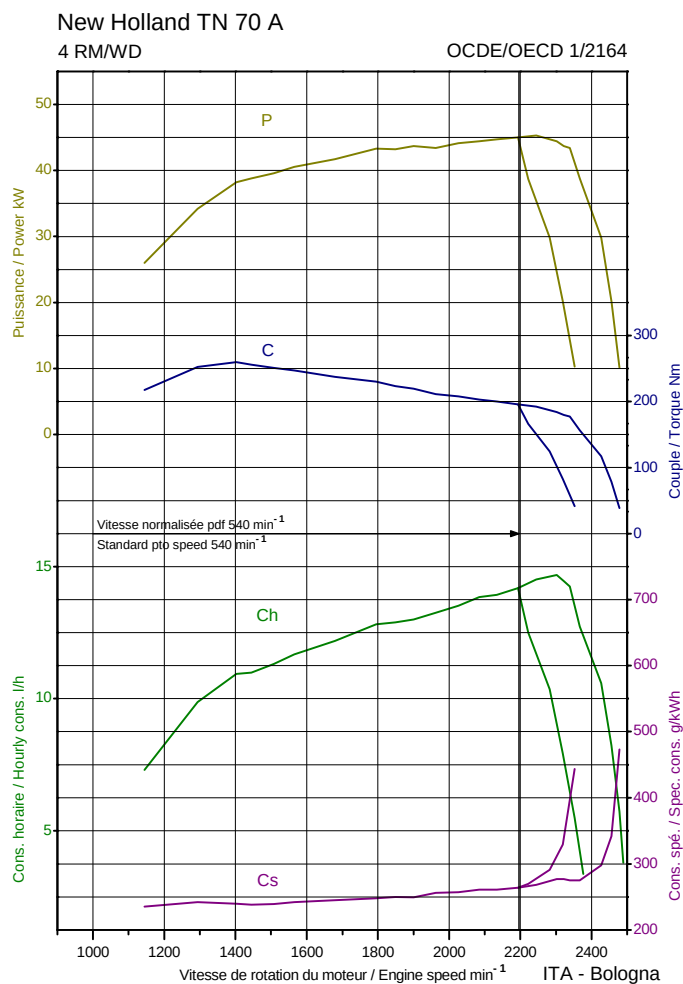
4 WD

E2S7 - 16 speeds - 40 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 0.78 to 37.77 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>	45.3 kW	2245 min ⁻¹	552 min ⁻¹
<i>Hourly and specific consumption</i>		14.51 l/h	268 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	44.4 kW	2302 min ⁻¹	566 min ⁻¹
<i>Hourly and specific consumption</i>		14.68 l/h	277 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	45.0 kW	2193 min ⁻¹	539 min ⁻¹
<i>Hourly and specific consumption</i>		14.20 l/h	264 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		259.9 Nm	1403 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
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Total Mass

		2635 kg	3125 kg
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Maximum drawbar pull

		23.1 kN	27.3 kN
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at speed of

		4.44 km/h	3.65 km/h
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Maximum power

		38.3 kW	38.6 kW
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at speed of

		11.02 km/h	11.27 km/h
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Hydraulic Performance and Power Lift Test*Hydraulic system*

			Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	37.1 l/min	19.7 MPa	12.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		20.8 kN	17.4 kN
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