



OECD approval number

2/1 836

Restricted Code

OECD approval date

26/07/1999

Make

Case IH

Model

MX 270

Type

4 WD

18 speeds - 40 km/h

Case Corporation

Manufacturer

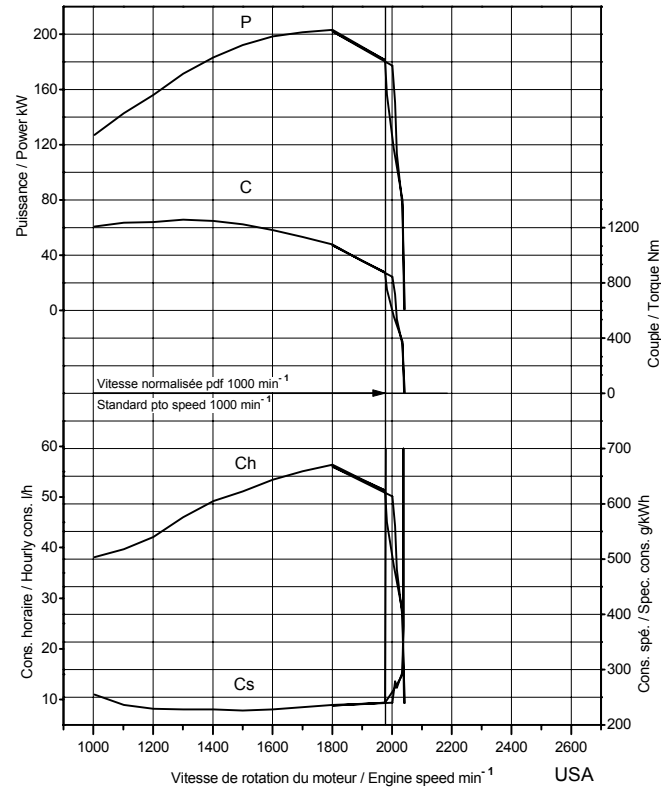
Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

Case International MX 270 - 40 km/h

4 RM/WD

OCDE/OECD 2/1836



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Consolidated Diesel Co.	6 TAA-8304
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8268 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>		18 4
<i>Speed at rated engine speed</i>		from 3.08 to 35.63 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>		1013 min ⁻¹
<i>Diameter of the shaft</i>		45 mm
<i>Number of splines</i>		20

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	202.0 kW	1800 min ⁻¹	912 min ⁻¹
<i>Hourly and specific consumption</i>		55.98 l/h	235 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	177.1 kW	2001 min ⁻¹	1014 min ⁻¹
<i>Hourly and specific consumption</i>		50.06 l/h	240 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	181.3 kW	1976 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		51.27 l/h	240 g/kWh

Torque rise

		48.9 %	
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Maximum torque, Engine speed corresponding

1258.0 Nm	1301 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

16.9 R 30	20.8 R 42
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

9484 kg	13744 kg
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Maximum drawbar pull

96.4 kN	137.0 kN
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at speed of

4.86 km/h	3.67 km/h
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Maximum power

177.5 kW	172.4 kW
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at speed of

9.71 km/h	7.37 km/h
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	108.6 l/min	19.0 MPa	34.3 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		78.3 kN	68.0 kN
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