



OECD approval number

2/1 759

Restricted Code

OECD approval date

19/05/1998

Make

Case IH

Model

7230 PRO

Type

4 WD

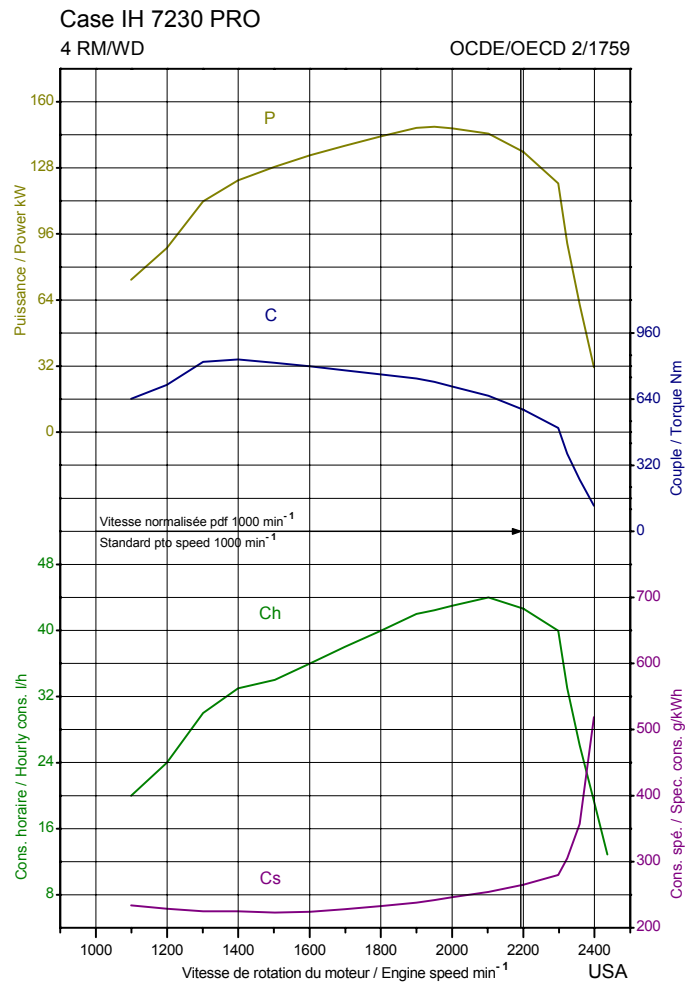
MFWD - 18 speeds - 30 km/h

Case Corporation

Manufacturer

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Consolidated Diesel Co	6TA-830
<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 2.92 to 30.95 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>		1003 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>	147.9 kW	1950 min ⁻¹	889 min ⁻¹
<i>Hourly and specific consumption</i>		42.44 l/h	242 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	135.8 kW	2200 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		42.64 l/h	265 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	135.8 kW	2200 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		42.64 l/h	265 g/kWh

Torque rise

		41.4 %
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<u>Maximum torque, Engine speed corresponding</u>	833.0 Nm	1399 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 R 30	20.8 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8103 kg	9970 kg
<i>Maximum drawbar pull</i>	78.0 kN	Not
<i>at speed of</i>	4.57 km/h	required
<i>Maximum power</i>	127.3 kW	in
<i>at speed of</i>	7.84 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	103.0 l/min	14.1 MPa	24.3 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		45.5 kN	42.3 kN