



OECD approval number

2/1 760

Restricted Code

OECD approval date

19/05/1998

Make

Case IH

Model

7240 PRO

Type

4 WD

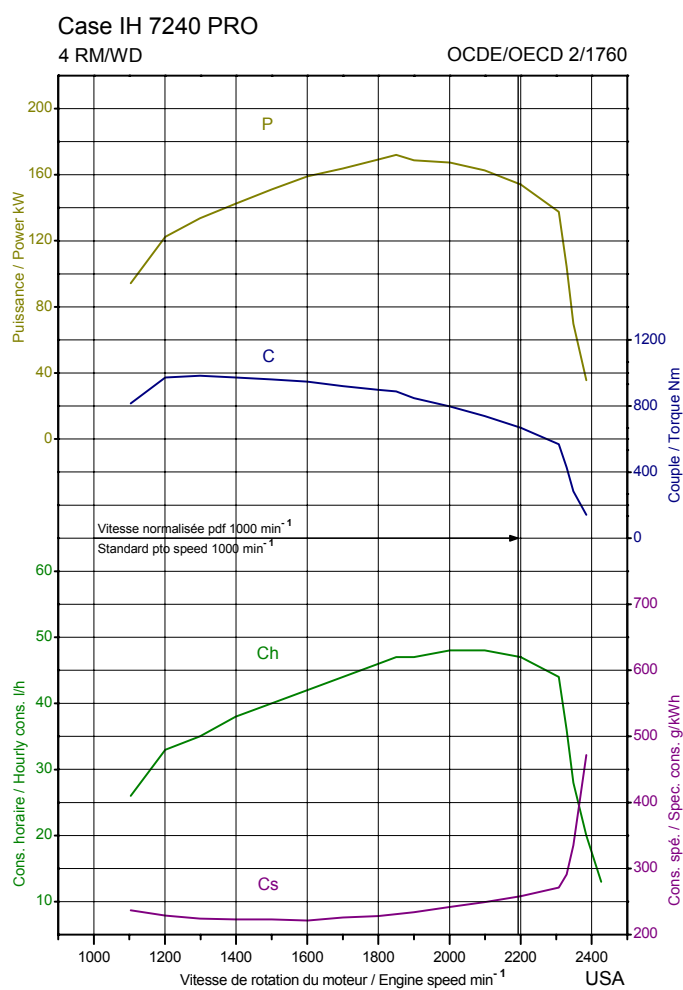
MFWD - 18 speeds - 30 km/h

Manufacturer

Case Corporation

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 3.09 to 32.76 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>	172.1 kW	1850 min ⁻¹	842 min ⁻¹
<i>Hourly and specific consumption</i>		47.16 l/h	231 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	154.2 kW	2200 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		47.05 l/h	258 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	154.2 kW	2200 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		47.05 l/h	258 g/kWh

Torque rise

		46.9 %
<u>Maximum torque, Engine speed corresponding</u>	983.0 Nm	1299 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 R 30	20.8 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8242 kg	10686 kg
<i>Maximum drawbar pull</i>	80.3 kN	106.8 kN
<i>at speed of</i>	4.94 km/h	4.29 km/h
<i>Maximum power</i>	146.1 kW	148.5 kW
<i>at speed of</i>	9.02 km/h	7.98 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	101.8 l/min	14.8 MPa	25.2 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		49.5 kN	47.1 kN