



OECD approval number

2/1 626/1

Restricted Code

OECD approval date

26/05/1998

Make

Case IH

Model

7220 PRO

Type

4 WD

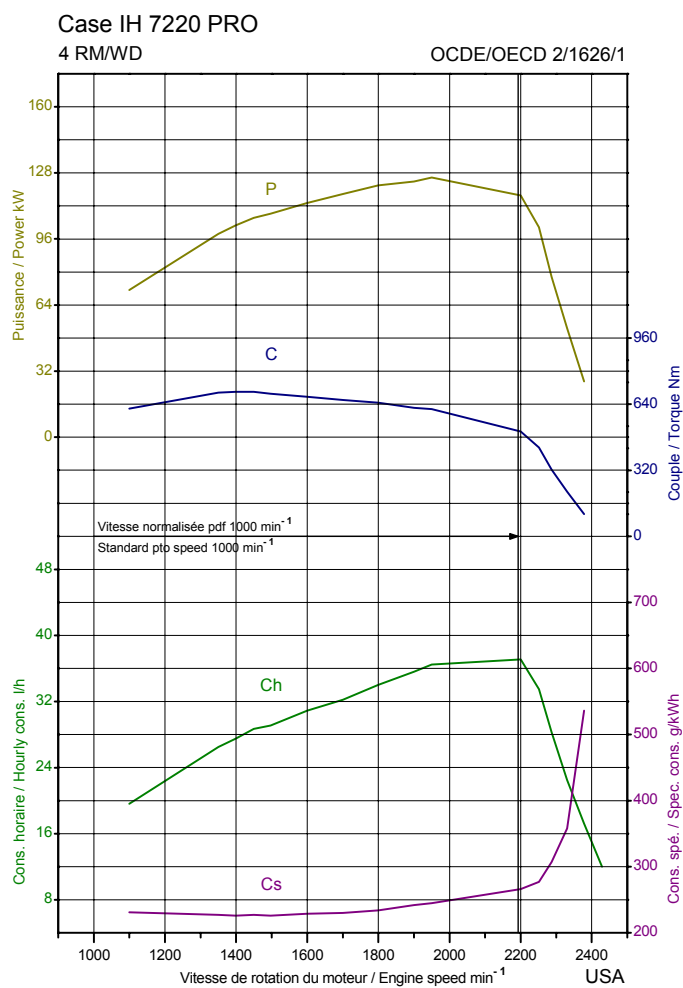
MFWD - 18 speeds - 30 km/h

Manufacturer

Case Corporation

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



**Engine, Transmission, Power take-off Specifications**

|                                                   |                        |                                                          |
|---------------------------------------------------|------------------------|----------------------------------------------------------|
| <i>Make, Model</i>                                | Consolidated Diesel Co | 6T-830                                                   |
| <i>Type, Supercharging</i>                        | Direct injection       | Yes                                                      |
| <i>Cylinders, Disposition</i>                     | 6                      | vertical in line                                         |
| <i>Capacity, Cooling</i>                          | 8268 cm <sup>3</sup>   | 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 2.90 to 30.77 km/h                                  |
| <u>Standard Power take-off speed</u>              |                        | <u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> |                        | 547 min <sup>-1</sup> 1003 min <sup>-1</sup>             |
| <i>Diameter of the shaft</i>                      |                        | 35 mm 35 mm                                              |
| <i>Number of splines</i>                          |                        | 6 21                                                     |

**Power take-off Test**Two hours test at maximum power

|                                               |          |                        |                       |
|-----------------------------------------------|----------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 125.7 kW | 1950 min <sup>-1</sup> | 889 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 36.54 l/h              | 245 g/kWh             |

Test at maximum power at rated engine speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 117.0 kW | 2200 min <sup>-1</sup> | 1003 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 37.05 l/h              | 266 g/kWh              |

Test at standard Power take-off speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 117.0 kW | 2200 min <sup>-1</sup> | 1003 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 37.05 l/h              | 266 g/kWh              |

Torque rise

37.8 %

Maximum torque, Engine speed corresponding700.0 Nm 1399 min<sup>-1</sup>**Drawbar Test***Front tyres, Rear tyres*

14.9 R 30 20 8 R 38

Test with tractorunballasted ballasted*Total Mass*

7901 kg 9331 kg

*Maximum drawbar pull*

74.9 kN 91.6 kN

*at speed of*

3.93 km/h 3.61 km/h

*Maximum power*

106.9 kW 109.7 kW

*at speed of*

9.02 km/h 5.91 km/h

**Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power

|                                   |             |          |         |
|-----------------------------------|-------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 103.7 l/min | 15.4 MPa | 26.6 kW |
|-----------------------------------|-------------|----------|---------|

Maximum lifting force

|                                  |  |         |         |
|----------------------------------|--|---------|---------|
| <i>at hitch points, at frame</i> |  | 39.8 kN | 38.4 kN |
|----------------------------------|--|---------|---------|