



OECD approval number

1 678/1

OECD approval date

Restricted Code

02/10/1997

Make

Case IH

Model

MX 120

Type

4 WD

MAXXUM - 16 speeds - 30 km/h

Manufacturer

Case United Kingdom Limited

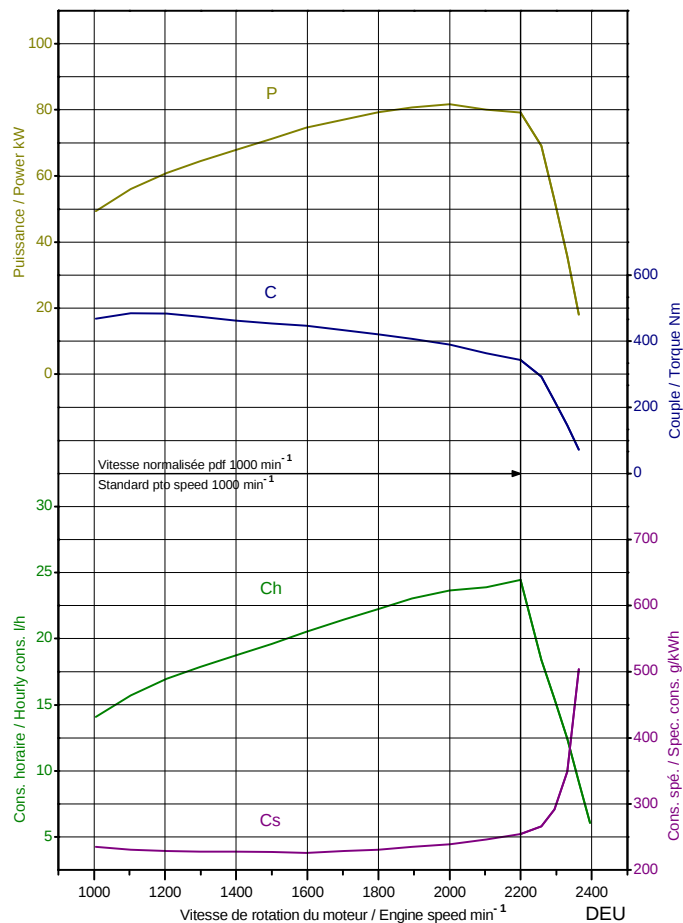
Testing station:

DLG, Gross-Umstadt, Germany

Case IH MX 120

4 RM/WD

OCDE/OECD 1678/1



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

|                                                   |                       |                        |
|---------------------------------------------------|-----------------------|------------------------|
| <i>Make, Model</i>                                | CDC                   | 6T-590                 |
| <i>Type, Supercharging</i>                        | Direct injection      | Yes                    |
| <i>Cylinders, Disposition</i>                     | 6                     | vertical in line       |
| <i>Capacity, Cooling</i>                          | 5883 cm <sup>3</sup>  | Liquid                 |
| <i>Gear box</i>                                   |                       | Mechanical powershift  |
| <i>Number of forward and reverse speeds</i>       | 16                    | 12                     |
| <i>Speed at rated engine speed</i>                | from 2.20             | to 29.57 km/h          |
| <u>Standard Power take-off speed</u>              | 540 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Power take-off speed at rated engine speed</i> | 634 min <sup>-1</sup> | 996 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> | 81.7 kW | 2000 min <sup>-1</sup> | 905 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 23.64 l/h              | 239 g/kWh             |

Test at maximum power at rated engine speed

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 79.2 kW | 2200 min <sup>-1</sup> | 996 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 24.46 l/h              | 254 g/kWh             |

Test at standard Power take-off speed

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 79.2 kW | 2200 min <sup>-1</sup> | 996 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 24.46 l/h              | 254 g/kWh             |

Torque rise

|                                                   |          |                        |
|---------------------------------------------------|----------|------------------------|
|                                                   |          | 41.0 %                 |
| <u>Maximum torque, Engine speed corresponding</u> | 485.0 Nm | 1104 min <sup>-1</sup> |

**Drawbar Test***Front tyres, Rear tyres*

|  |           |           |
|--|-----------|-----------|
|  | 16.9 R 28 | 20.8 R 38 |
|--|-----------|-----------|

Test with tractor

|  |                    |                  |
|--|--------------------|------------------|
|  | <u>unballasted</u> | <u>ballasted</u> |
|--|--------------------|------------------|

|                   |         |  |
|-------------------|---------|--|
| <i>Total Mass</i> | 5820 kg |  |
|-------------------|---------|--|

|                             |         |     |
|-----------------------------|---------|-----|
| <i>Maximum drawbar pull</i> | 62.4 kN | Not |
|-----------------------------|---------|-----|

|                    |           |          |
|--------------------|-----------|----------|
| <i>at speed of</i> | 3.35 km/h | required |
|--------------------|-----------|----------|

|                      |         |    |
|----------------------|---------|----|
| <i>Maximum power</i> | 71.3 kW | in |
|----------------------|---------|----|

|                    |           |        |
|--------------------|-----------|--------|
| <i>at speed of</i> | 8.90 km/h | Code 2 |
|--------------------|-----------|--------|

**Hydraulic Performance and Power Lift Test**

|                         |  |               |
|-------------------------|--|---------------|
| <i>Hydraulic system</i> |  | Closed centre |
|-------------------------|--|---------------|

At maximum hydraulic power

|                                   |            |          |         |
|-----------------------------------|------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 90.1 l/min | 15.0 MPa | 22.5 kW |
|-----------------------------------|------------|----------|---------|

Maximum lifting force

|                                  |  |         |         |
|----------------------------------|--|---------|---------|
| <i>at hitch points, at frame</i> |  | 44.7 kN | 35.3 kN |
|----------------------------------|--|---------|---------|

