



**OECD approval number**

**2/1 955**

**OECD approval date**

**Restricted Code**

**29/05/2001**

**Make**

**Case IH**

**Model**

**STX 375**

**Type**

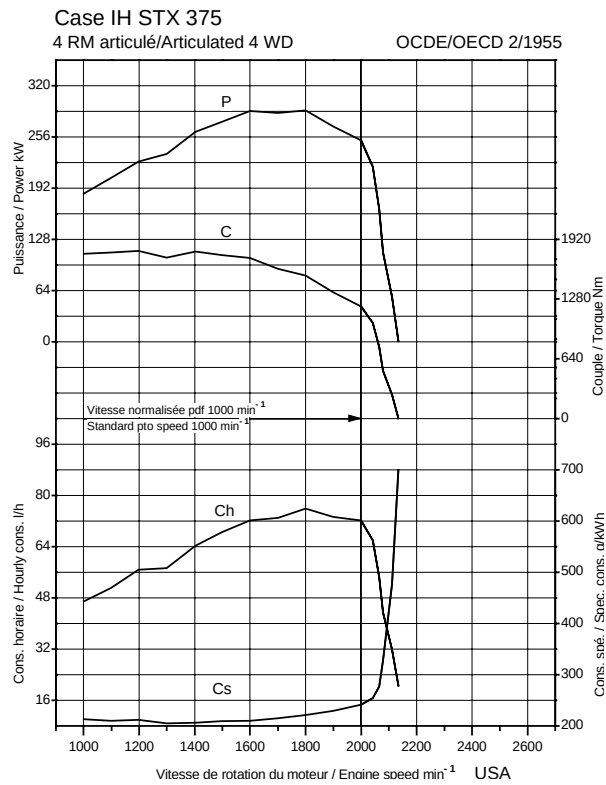
**Articulated 4 WD**

**Manufacturer**

**Case Corporation**

**Testing station:**

**Nebraska Tractor Test Laboratory, Lincoln, USA**



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

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Make, Model</i>                                | Cummins                     | QSX15                        |
| <i>Type, Supercharging</i>                        | Driven Transfert Pump       | Yes                          |
| <i>Cylinders, Disposition</i>                     | 6                           | vertical in line             |
| <i>Capacity, Cooling</i>                          | 14945 cm <sup>3</sup>       | Liquid                       |
| <i>Gear box</i>                                   |                             | Mechanical powershift        |
| <i>Number of forward and reverse speeds</i>       | 16                          | 2                            |
| <i>Speed at rated engine speed</i>                | from 3.97                   | to 34.09 km/h                |
| <i><u>Standard Power take-off speed</u></i>       | <u>540 min<sup>-1</sup></u> | <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> |                             | 1001 min <sup>-1</sup>       |
| <i>Diameter of the shaft</i>                      |                             | 44 mm                        |
| <i>Number of splines</i>                          |                             | 20                           |

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

|                                               |          |                        |                       |
|-----------------------------------------------|----------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 288.3 kW | 1600 min <sup>-1</sup> | 801 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 72.15 l/h              | 210 g/kWh             |

Test at maximum power at rated engine speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 252.0 kW | 2000 min <sup>-1</sup> | 1001 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 72.17 l/h              | 241 g/kWh              |

Test at standard Power take-off speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 252.0 kW | 2000 min <sup>-1</sup> | 1001 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 72.17 l/h              | 241 g/kWh              |

Torque rise

|                                                   |           |                        |        |
|---------------------------------------------------|-----------|------------------------|--------|
| <i>Maximum torque, Engine speed corresponding</i> | 1797.0 Nm | 1198 min <sup>-1</sup> | 49.4 % |
|---------------------------------------------------|-----------|------------------------|--------|

**Drawbar Test**

|                                 |                    |                  |
|---------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i>  | 20.8 - 42          | 20.8 - 42        |
| <i><u>Test with tractor</u></i> | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>               | 17064 kg           |                  |
| <i>Maximum drawbar pull</i>     | 149.7 kN           | Not              |
| <i>at speed of</i>              | 3.14 km/h          | required         |
| <i>Maximum power</i>            | 262.6 kW           | in               |
| <i>at speed of</i>              | 10.24 km/h         | Code 2           |

**Power Lift and Hydraulic Performance Test**

|                                                 |             |          |               |
|-------------------------------------------------|-------------|----------|---------------|
| Hydraulic system                                |             |          | Closed centre |
| Maximum lifting force at hitch points, at frame | 95.6 kN     |          | 87.3 kN       |
| <u>At maximum hydraulic power</u>               |             |          |               |
| Flow rate, Pressure, Power                      | 131.0 l/min | 16.9 MPa | 36.9 kW       |