



OECD approval number

2/1 957

OECD approval date

Restricted Code

31/05/2001

Make

Case IH

Model

STX 440

Type

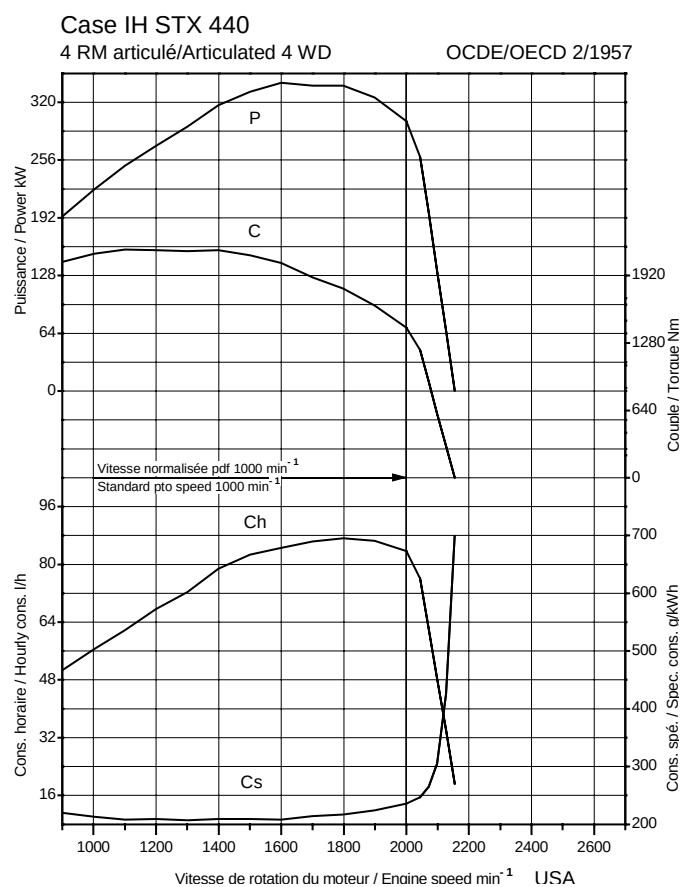
Articulated 4 WD

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 ³	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 4.00	to 34.36 km/h
<u><i>Standard Power take-off speed</i></u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1001 min ⁻¹
<i>Diameter of the shaft</i>		44 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>	338.7 kW	1700 min ⁻¹	851 min ⁻¹
<i>Hourly and specific consumption</i>		86.30 l/h	214 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	298.8 kW	2000 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		83.73 l/h	236 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	298.8 kW	2000 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		83.73 l/h	236 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	2166.0 Nm	1100 min ⁻¹	51.9 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	20.8 - 42	20.8 - 42
<u><i>Test with tractor</i></u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	17842 kg	
<i>Maximum drawbar pull</i>	178.1 kN	Not
<i>at speed of</i>	4.63 km/h	required
<i>Maximum power</i>	310.2 kW	in
<i>at speed of</i>	13.14 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Closed centre
<i>Maximum lifting force at hitch points, at frame</i>	95.6 kN	87.3 kN
<u><i>At maximum hydraulic power</i></u>		
<i>Flow rate, Pressure, Power</i>	134.8 l/min	16.9 MPa 37.9 kW