



OECD approval number

2/1 958

Restricted Code

OECD approval date

01/06/2001

Make

Case IH

Model

STX 440 Quadtrac

Type

Rubber tracklaying tractor

Manufacturer

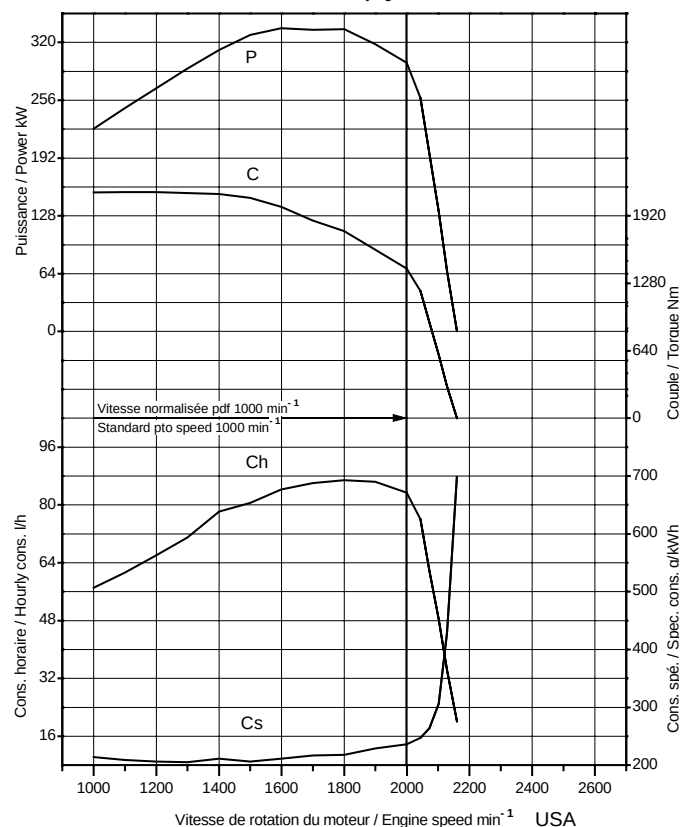
Case Corporation

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

Case IH STX 440 Quadtrac

Tracteur articulé à chenilles/Articulated tracklaying tractor OCDE/OECD 2/1958



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 4.26	to 36.56 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>		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>	335.8 kW	1599 min ⁻¹	801 min ⁻¹
<i>Hourly and specific consumption</i>		84.27 l/h	211 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	297.6 kW	1999 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		83.39 l/h	236 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	297.6 kW	1999 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		83.39 l/h	236 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	2146.0 Nm	1099 min ⁻¹	50.9 %
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Drawbar Test

<i>Track length and track width</i>	6400 mm	762 mm
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	23298 kg	
<i>Maximum drawbar pull</i>	170.9 kN	Not
<i>at speed of</i>	4.67 km/h	required
<i>Maximum power</i>	287.9 kW	in
<i>at speed of</i>	8.80 km/h	Code 2

Power Lift and Hydraulic Performance Test

Hydraulic system			Closed centre
Maximum lifting force at hitch points, at frame	94.4 kN		87.8 kN
<u>At maximum hydraulic power</u>			
Flow rate, Pressure, Power	194.6 l/min	15.9 MPa	51.4 kW