



OECD approval number

2/1 788

Restricted Code

OECD approval date

09/10/1998

Make

Caterpillar

Model

Challenger 95E

Type

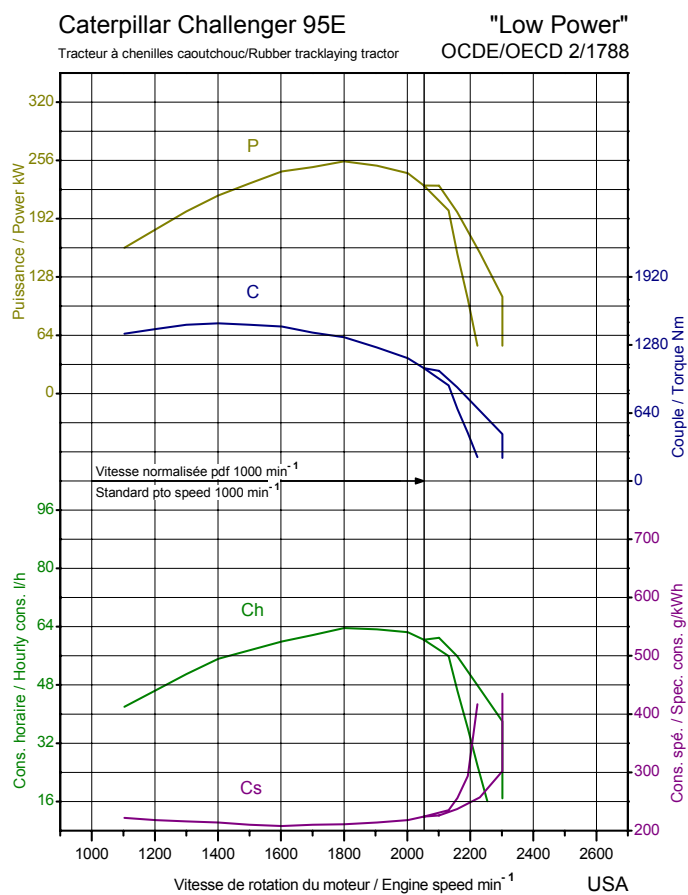
Rubber tracklaying tractor

30 km/h

Manufacturer Caterpillar Agricultural Products Inc.

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Caterpillar	3196
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	11946 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	10	2
<i>Speed at rated engine speed</i>	from 4.50	to 28.90 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>		1024 min ⁻¹
<i>Diameter of the shaft</i>		45 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>	254.9 kW	1800 min ⁻¹	877 min ⁻¹
<i>Hourly and specific consumption</i>		63.54 l/h	211 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	228.1 kW	2101 min ⁻¹	1023 min ⁻¹
<i>Hourly and specific consumption</i>		60.93 l/h	226 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	228.4 kW	2053 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		60.35 l/h	224 g/kWh

Torque rise

		43.0 %
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Maximum torque, Engine speed corresponding

1483.0 Nm	1401 min ⁻¹
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Drawbar Test*Track length and track width*

8529 mm	762 mm
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

16277 kg	17962 kg
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Maximum drawbar pull

156.6 kN	174.9 kN
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at speed of

3.93 km/h	3.81 km/h
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Maximum power

272.5 kW	275.9 kW
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at speed of

9.23 km/h	9.29 km/h
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	151.4 l/min	17.9 MPa	45.2 kW
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