



OECD approval number

2/2 365

Restricted Code

OECD approval date

08/03/2007

Make

Challenger

Model

MT 875B

Type

Rubber tracklaying tractor
16 speeds powershift - 40 km/h

Manufacturer

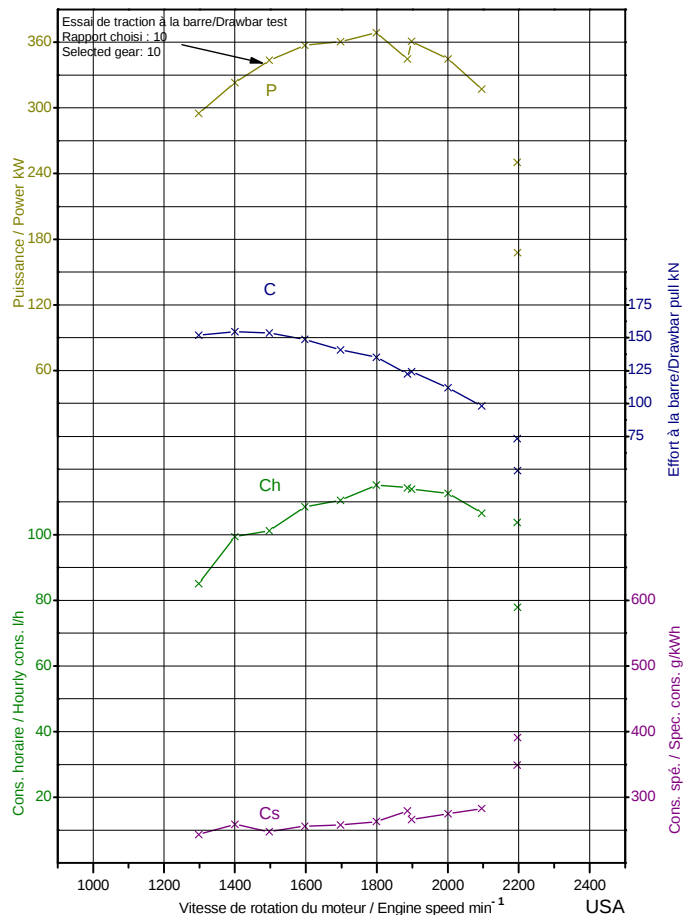
AGCO

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

Challenger MT 875 B

Tracteur à chenilles caoutchouc/Rubber tracklaying tractor OCDE/OECD 2/2365



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Caterpillar	C-18
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	18130 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	16	4
<i>Speed at rated engine speed</i>	from 2.69 to 40.00 km/h	
<u>Standard Power take-off speed</u>	Tractor without Power Take-Off	

Drawbar Test in replacing the Power take-off TestTwo hours test at maximum power (results not significant)

<i>Power, Engine speed</i>	344.8 kW	1886 min ⁻¹
<i>Hourly and specific consumption</i>	114.4 l/h	279 g/kWh
<u>Test at maximum power at rated engine speed</u>		
<i>Power, Engine speed</i>	317.2 kW	2096 min ⁻¹
<i>Hourly and specific consumption</i>	106.7 l/h	283 g/kWh

Drawbar Test

<i>Track length and track width</i>	- mm	914 mm
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	19747 kg	25326 kg
<i>Maximum drawbar pull</i>	192.4 kN	206.2 kN
<i>at speed of</i>	3.67 km/h	4.43 km/h
<i>Maximum power</i>	368.7 kW	377.7 kW
<i>at speed of</i>	9.82 km/h	10.02 km/h

Hydraulic Performance and Power Lift Test

Hydraulic system				Closed centre
<u>At maximum hydraulic power</u>				
Flow rate, Pressure, Power (couplers: 1 pair)	143.8 l/min	14.7 MPa	35.1 kW	
Flow rate, Pressure, Power (couplers: 2 pairs or +)	212.4 l/min	18.4 MPa	64.9 kW	
Maximum lifting force	Tractor without 3 points linkage			

