



OECD approval number

2/2 063

Restricted Code

OECD approval date

06/05/2003

Make

Renault

Model

Celtis 456

Type

4 WD

M3642DA - 40 km/h

Manufacturer

Renault Agriculture

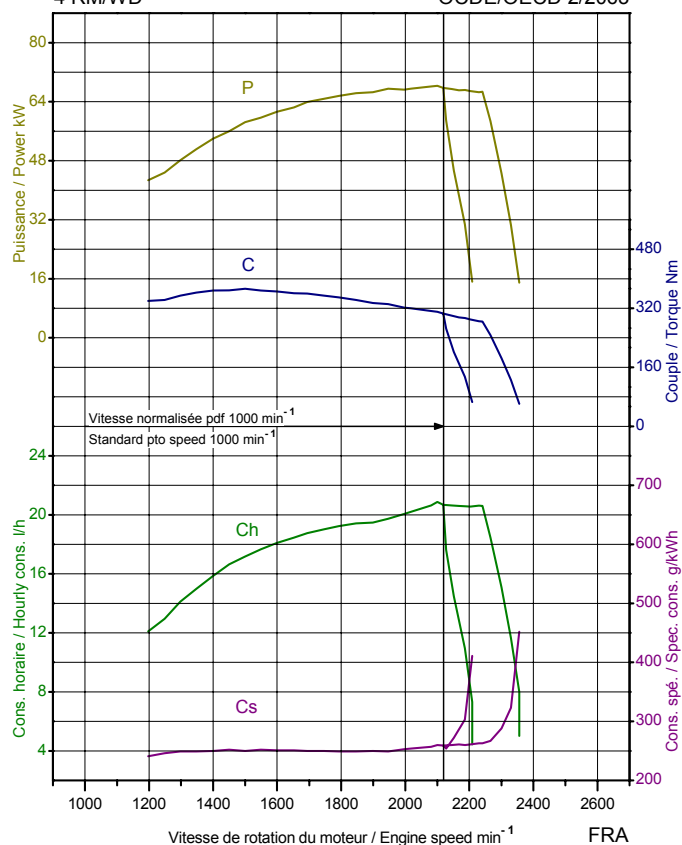
Testing station:

Cemagref, Antony, France

Renault Celtis 456

4 RM/WD

OCDE/OECD 2/2063



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TRT72
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 1.82	to 41.34 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>	563 min ⁻¹	1039 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	6

Power take-off Test

Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	68.3 kW	2100 min ⁻¹	991 min ⁻¹
<i>Hourly and specific consumption</i>		20.89 l/h	260 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	66.9 kW	2203 min ⁻¹	1040 min ⁻¹
<i>Hourly and specific consumption</i>		20.56 l/h	261 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	67.8 kW	2118 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		20.69 l/h	259 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	372.6 Nm	1500 min ⁻¹	28.6 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	440/65 R 28	540/65 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4405 kg	
<i>Maximum drawbar pull</i>	39.7 kN	Not
<i>at speed of</i>	2.13 km/h	required
<i>Maximum power</i>	61.4 kW	in
<i>at speed of</i>	9.07 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	46.2 l/min	15.9 MPa	12.2 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		44.2 kN	31.8 kN

