



OECD approval number

2/2 062

OECD approval date

Restricted Code

06/05/2003

Make

Renault

Model

Celtis 446

Type

4 WD

Manufacturer

M3632DA - 40 km/h

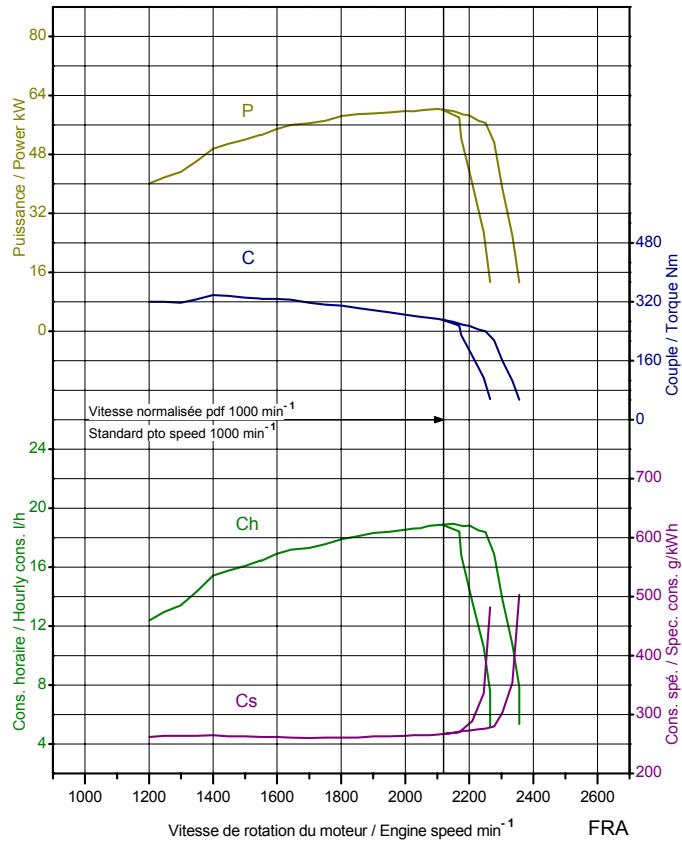
Testing station:

Renault Agriculture
Cemagref, Antony, France

Renault Celtis 446

4 RM/WD

OCDE/OECD 2/2062



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TRT71
<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 1.71	to 38.74 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>	60.3 kW	2102 min ⁻¹	993 min ⁻¹
<i>Hourly and specific consumption</i>		18.87 l/h	266 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	58.6 kW	2201 min ⁻¹	1039 min ⁻¹
<i>Hourly and specific consumption</i>		18.83 l/h	273 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	60.2 kW	2116 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		18.89 l/h	267 g/kWh

Torque rise

		33.0 %
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<u>Maximum torque, Engine speed corresponding</u>	338.1 Nm	1399 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	440/65 R 24	540/65 R 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4290 kg	
<i>Maximum drawbar pull</i>	41.4 kN	Not
<i>at speed of</i>	2.23 km/h	required
<i>Maximum power</i>	47.7 kW	in
<i>at speed of</i>	6.76 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>	44.0 l/min	15.0 MPa 11.0 kW
<u>Maximum lifting force</u>		
<i>at hitch points, at frame</i>		33.1 kN 23.7 kN

