



OECD approval number

2/2 061

OECD approval date

Restricted Code

06/05/2003

Make

Renault

Model

Celtis 436

Type

4 WD

Manufacturer

M3622DA - 40 km/h

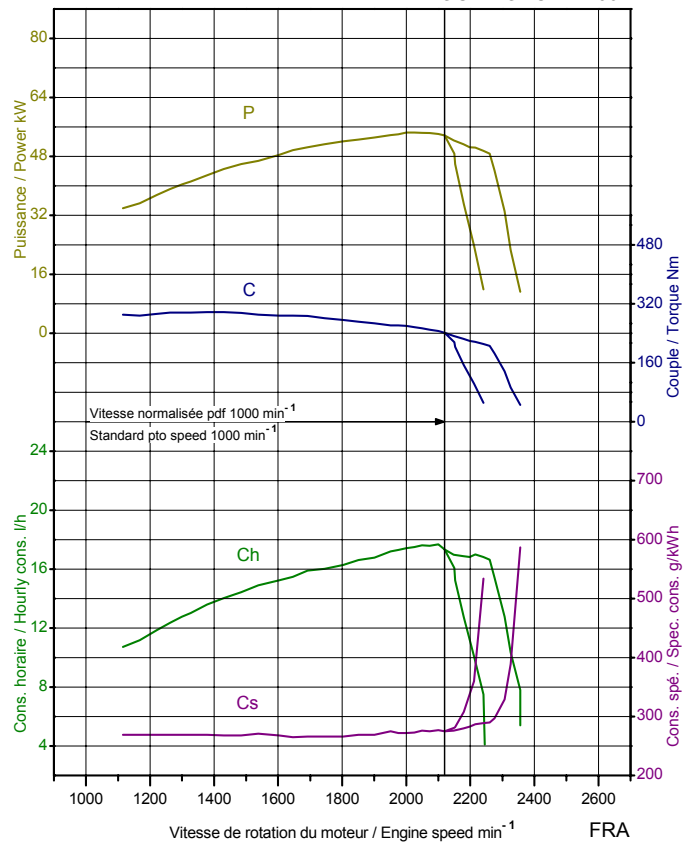
Testing station:

Renault Agriculture
Cemagref, Antony, France

Renault Celtis 436

4 RM/WD

OCDE/OECD 2/2061



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045TRT70
<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 TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	54.5 kW	2025 min ⁻¹	956 min ⁻¹
<i>Hourly and specific consumption</i>		17.50 l/h	273 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	50.4 kW	2215 min ⁻¹	1046 min ⁻¹
<i>Hourly and specific consumption</i>		17.01 l/h	287 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	53.7 kW	2119 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		17.35 l/h	275 g/kWh

Torque rise

		37.0 %
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Maximum torque, Engine speed corresponding

297.5 Nm	1430 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

440/65 R 24	540/65 R 34
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Test with tractor

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

3990 kg

Maximum drawbar pull

37.5 kN

at speed of

1.87 km/h	<i>Not required</i>
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Maximum power

44.8 kW

at speed of

8.10 km/h	<i>in Code 2</i>
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	47.3 l/min	15.7 MPa	12.5 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		25.5 kN	19.1 kN
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