



OECD approval number

2/2 226

Restricted Code

OECD approval date

03/03/2005

Make

Claas

Model

Celtis 446

Type

4 WD

M3632DA - Renault - Mechanical injection - 40 km/h

Manufacturer

CLAAS KGaA mbH

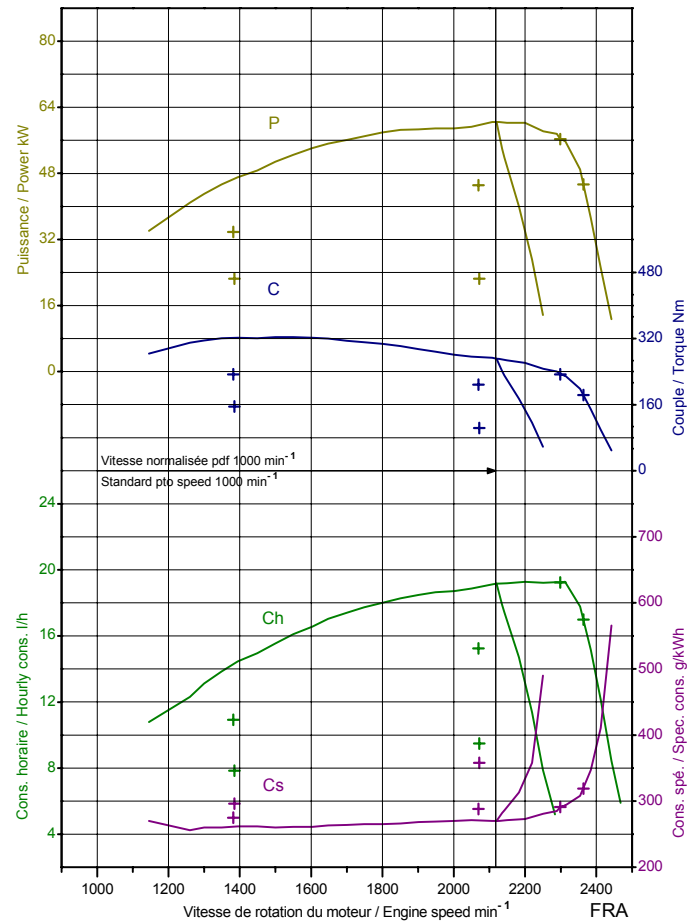
Testing station:

Cemagref, Antony, France

Claas Celtis 446

4 RM/WD

OCDE/OECD 2/2226



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045 TRT 78
<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 1.80	to 38.16 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>	588 min ⁻¹	1086 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	60.4 kW	2120 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		19.17 l/h	270 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	56.3 kW	2299 min ⁻¹	1086 min ⁻¹
<i>Hourly and specific consumption</i>		19.24 l/h	291 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	60.4 kW	2120 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		19.17 l/h	270 g/kWh

Torque rise

		38.4 %
<u>Maximum torque, Engine speed corresponding</u>	323.7 Nm	1500 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	440/65 R 24	540/65 R 34
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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Maximum drawbar pull

	4275 kg	
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at speed of

	40.2 kN	Not
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Maximum power

	1.66 km/h	required
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at speed of

	52.3 kW	in
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at speed of

	8.59 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	44.0 l/min	15.0 MPa	11.0 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		33.1 kN	23.7 kN
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