



OECD approval number

2/2 219

Restricted Code

OECD approval date

18/02/2005

Make

Claas

Model

Celtis 426

Type

4 WD

M3612DA - Renault - Mechanical injection

40 km/h

Manufacturer

CLAAS KGaA mbH

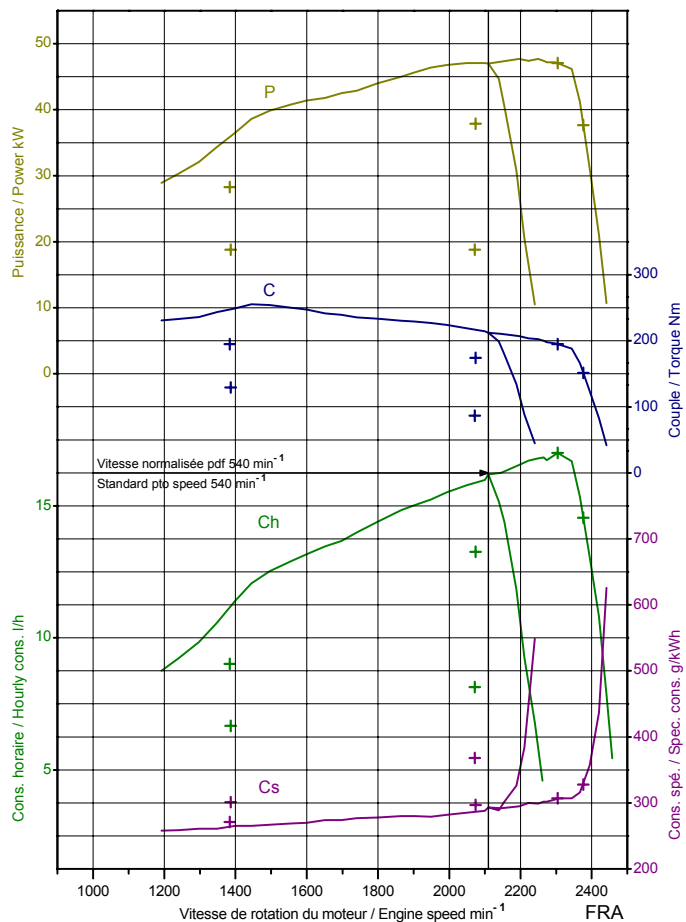
Testing station:

Cemagref, Antony, France

Claas Celtis 426

4 RM/WD

OCDE/OECD 2/2219



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045 DRT 76
<i>Type, Supercharging</i>	Direct injection	None
<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>	47.7 kW	2249 min ⁻¹	576 min ⁻¹
<i>Hourly and specific consumption</i>		16.80 l/h	299 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	47.1 kW	2304 min ⁻¹	589 min ⁻¹
<i>Hourly and specific consumption</i>		17.01 l/h	307 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	47.0 kW	2110 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		16.20 l/h	293 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		255.5 Nm	1444 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>	3905 kg	
<i>Maximum drawbar pull</i>	36.9 kN	Not
<i>at speed of</i>	1.98 km/h	required
<i>Maximum power</i>	40.6 kW	in
<i>at speed of</i>	9.20 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>	47.3 l/min	15.7 MPa	12.5 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		25.5 kN	19.1 kN

