



OECD approval number

2/2 109

Restricted Code

OECD approval date

10/02/2004

Make

Claas

Model

Ares 836 RZ

Type

4 WD

Manufacturer

H4432EA - 40 km/h

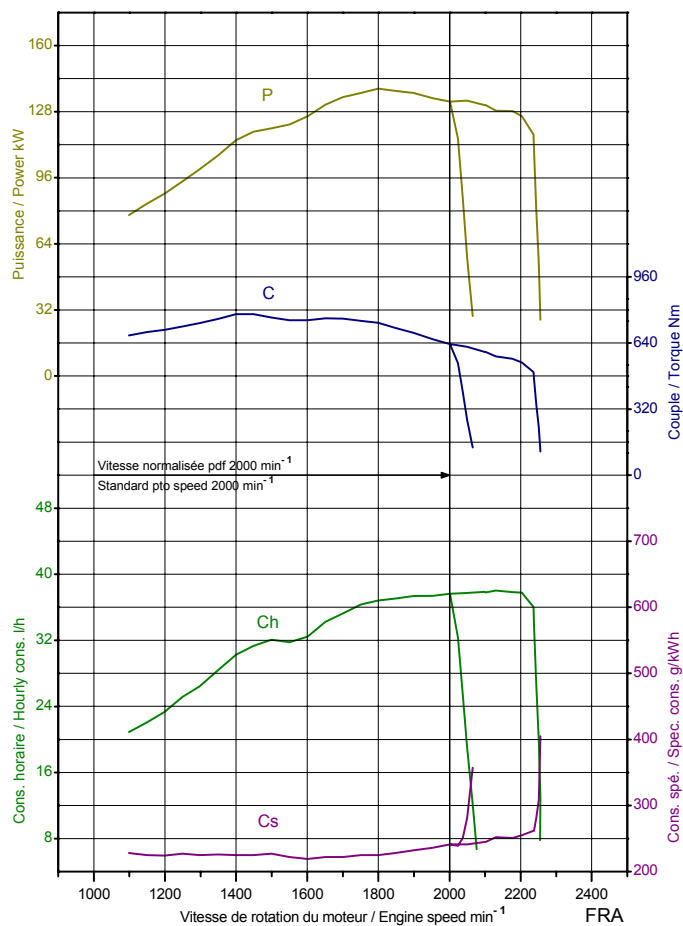
Testing station:

CLAAS KGaA mbH
Cemagref, Antony, France

Claas Ares 836 RZ

4 RM/WD

OCDE/OECD 2/2109



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 6068HRT72
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		32 32
<i>Speed at rated engine speed</i>		from 2.38 to 41.84 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>		629 min ⁻¹ 1100 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>	139.1 kW	1800 min ⁻¹	900 min ⁻¹
<i>Hourly and specific consumption</i>		36.81 l/h	225 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	125.9 kW	2203 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		37.76 l/h	255 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	132.9 kW	2001 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		37.65 l/h	241 g/kWh

Torque rise

		42.9 %	
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Maximum torque, Engine speed corresponding

779.5 Nm	1400 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

600/65 R 28	650/75 R 38
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Test with tractor

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

7820 kg

Maximum drawbar pull

69.6 kN

at speed of

2.16 km/h	Not required
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Maximum power

117.0 kW	in
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at speed of

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

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	98.7 l/min	15.0 MPa	24.6 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		75.9 kN	67.0 kN
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