



**OECD approval number**

**2/2 122**

**OECD approval date**

**Restricted Code**

**21/04/2004**

**Make**

**Claas**

**Model**

**Ares 696 RZ**

**Type**

**4 WD**

H8242EA - 40 km/h

*Manufacturer*

CLAAS KGaA mbH

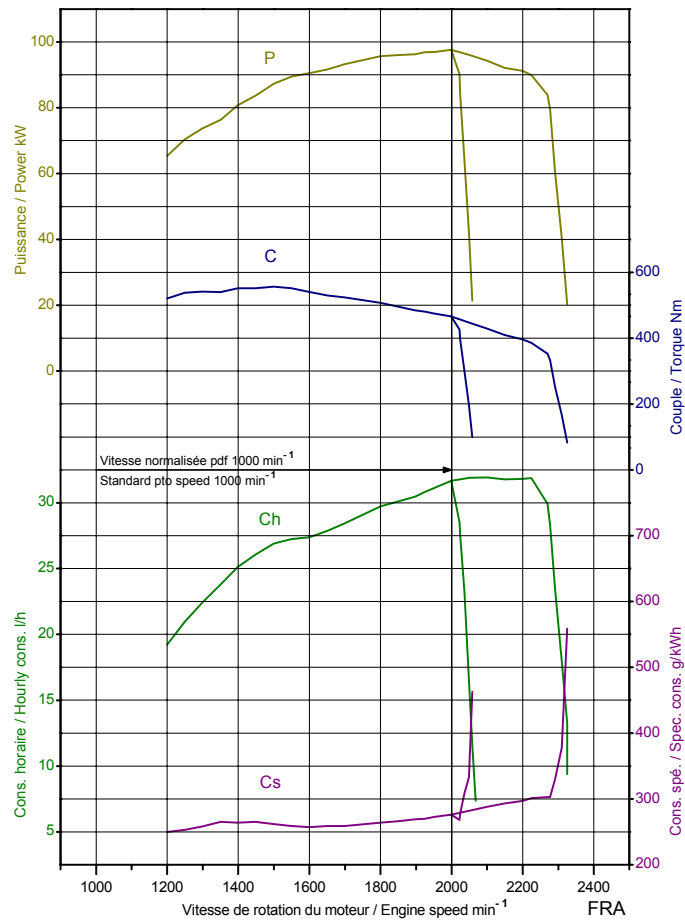
*Testing station:*

Cemagref, Antony, France

**Claas Ares 696 RZ**

**4 RM/WD**

**OCDE/OECD 2/2122**



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	John Deere	6068 TRT 72
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		32
<i>Speed at rated engine speed</i>		from 2.21 to 41.11 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		601 min <sup>-1</sup> 1100 min <sup>-1</sup>
<i>Diameter of the shaft</i>		34.9 mm    34.9 mm
<i>Number of splines</i>		6    21

**Power take-off Test**

<u>Two hours test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	97.6 kW	1999 min <sup>-1</sup>	999 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		31.68 l/h	276 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	91.2 kW	2200 min <sup>-1</sup>	1100 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		31.83 l/h	297 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	97.6 kW	1999 min <sup>-1</sup>	999 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		31.68 l/h	276 g/kWh
<u>Torque rise</u>			40.6 %
<u>Maximum torque. Engine speed corresponding</u>		556.6 Nm	1500 min <sup>-1</sup>

**Drawbar Test**

<i>Front tyres, Rear tyres</i>	540/65 R 28	650/65 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6515 kg	
<i>Maximum drawbar pull</i>	59.6 kN	Not
<i>at speed of</i>	2.01 km/h	required
<i>Maximum power</i>	83.9 kW	in
<i>at speed of</i>	11.41 km/h	Code 2

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	101.1 l/min	13.0 MPa	21.9 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		48.3 kN	39.8 kN

