



OECD approval number

2/2 106

Restricted Code

OECD approval date

06/02/2004

Make

Claas

Model

Ares 616 RZ

Type

4 WD

Manufacturer

H8212EA - 40 km/h

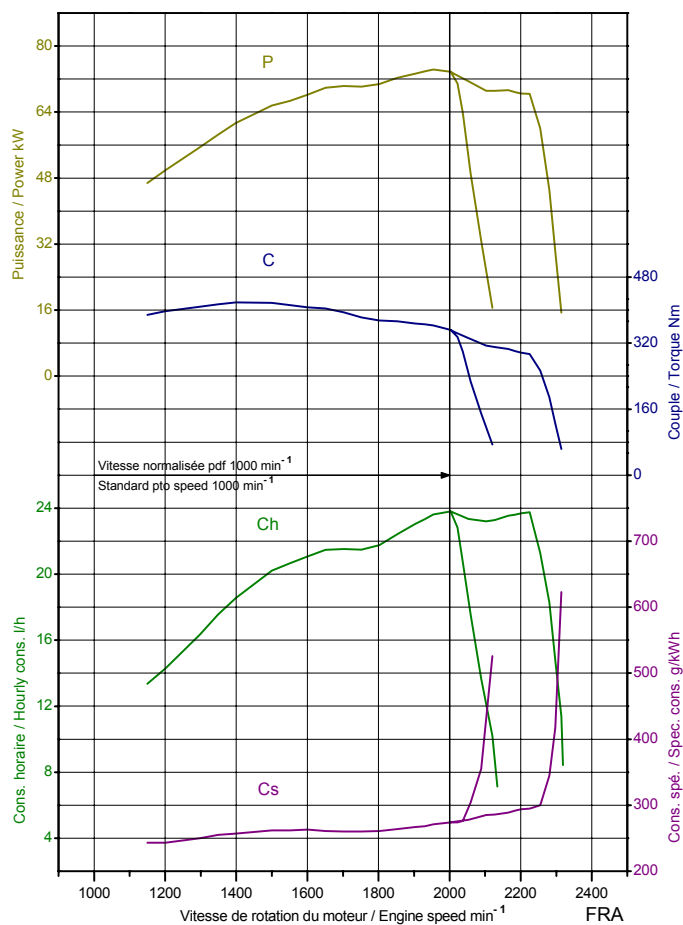
Testing station:

CLAAS KGaA mbH
Cemagref, Antony, France

Claas Ares 616 RZ

4 RM/WD

OCDE/OECD 2/2106



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068 TRT 70
<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 2.17	to 40.38 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>	601 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>	74.3 kW	1954 min ⁻¹	977 min ⁻¹
<i>Hourly and specific consumption</i>		23.63 l/h	271 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	68.5 kW	2201 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		23.69 l/h	294 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	73.8 kW	2003 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		23.81 l/h	274 g/kWh

Torque rise

41.0 %

Maximum torque, Engine speed corresponding419.0 Nm 1399 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

16.9 R 28 600/65 R 38

Test with tractorunballasted ballasted*Total Mass*

5520 kg

Maximum drawbar pull

50.3 kN

Not

at speed of

2.36 km/h

required

Maximum power

64.3 kW

in

at speed of

8.48 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power*

91.6 l/min

15.6 MPa

23.8 kW

Maximum lifting force*at hitch points, at frame*

50.0 kN

36.6 kN

