



OECD approval number

2/2 104

Restricted Code

OECD approval date

04/02/2004

Make

Claas

Model

Ares 556 RX

Type

4 WD

H5322DA - 40 km/h

Manufacturer

CLAAS KGaA mbH

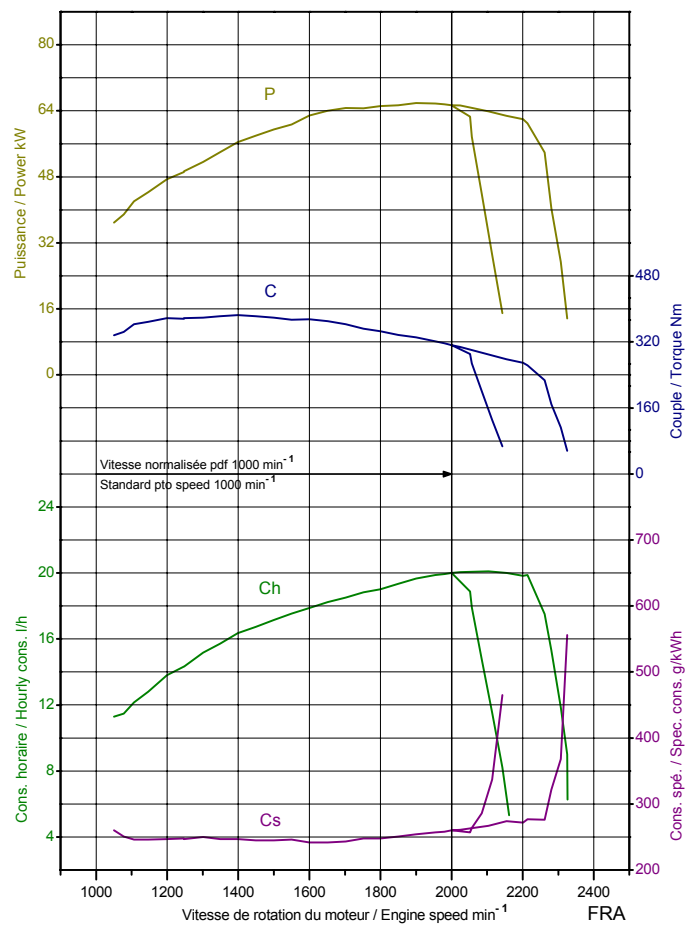
Testing station:

Cemagref, Antony, France

Claas Ares 556 RX

4 RM/WD

OCDE/OECD 2/2104



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045 HRT 70
<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>	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>	65.9 kW	1900 min ⁻¹	950 min ⁻¹
<i>Hourly and specific consumption</i>		19.67 l/h	254 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	62.0 kW	2201 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		19.84 l/h	272 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	65.3 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		20.01 l/h	260 g/kWh

Torque rise

		43.0 %
<u>Maximum torque, Engine speed corresponding</u>	384.9 Nm	1399 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	480/65 R 28	600/65 R 38
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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<i>Maximum drawbar pull</i>	5135 kg	
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<i>at speed of</i>	46.9 kN	Not
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<i>Maximum power</i>	1.94 km/h	required
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<i>at speed of</i>	56.4 kW	in
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	8.12 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

<u>At maximum hydraulic power</u>		Opened centre
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<i>Flow rate, Pressure, Power</i>	50.4 l/min	17.3 MPa	14.5 kW
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<u>Maximum lifting force</u>			
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<i>at hitch points, at frame</i>		47.7 kN	37.1 kN
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