



OECD approval number

2/2 105

OECD approval date

Restricted Code

04/02/2004

Make

Claas

Model

Ares 566 RX

Type

4 WD

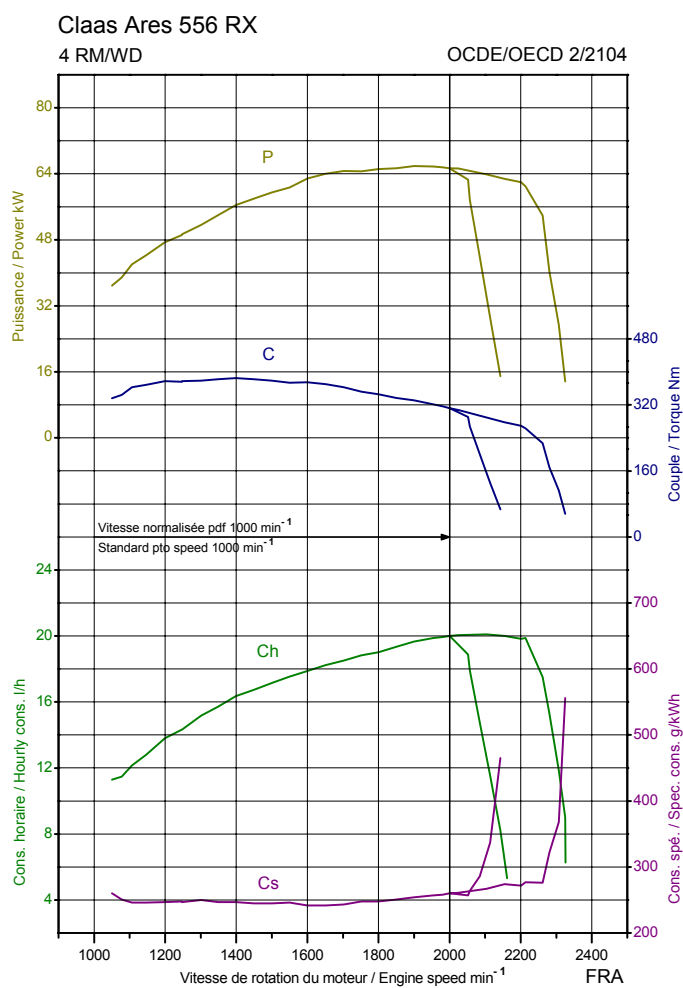
Manufacturer

H5332DA - 40 km/h

Testing station:

CLAAS KGaA mbH

Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045 HRT 71
<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>	73.8 kW	2024 min ⁻¹	1012 min ⁻¹
<i>Hourly and specific consumption</i>		22.46 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	69.6 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		22.50 l/h	275 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	73.5 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		22.42 l/h	259 g/kWh

Torque rise

		34.3 %
<u>Maximum torque, Engine speed corresponding</u>	405.6 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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Maximum drawbar pull

	5150 kg	
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at speed of

	47.6 kN	Not
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Maximum power

	1.96 km/h	required
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at speed of

	63.1 kW	in
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	8.62 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	52.0 l/min	17.3 MPa	15.0 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		49.6 kN	37.7 kN
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