



OECD approval number

2/2 299

Restricted Code

OECD approval date

09/12/2005

Make

Claas

Model

Atles 946 RZ

Type

4 WD

H4552EA - Renault Atles 946 RZ

Renault Agriculture Atles 946 RZ - 40 km/h

Manufacturer

CLAAS KGaA mbH

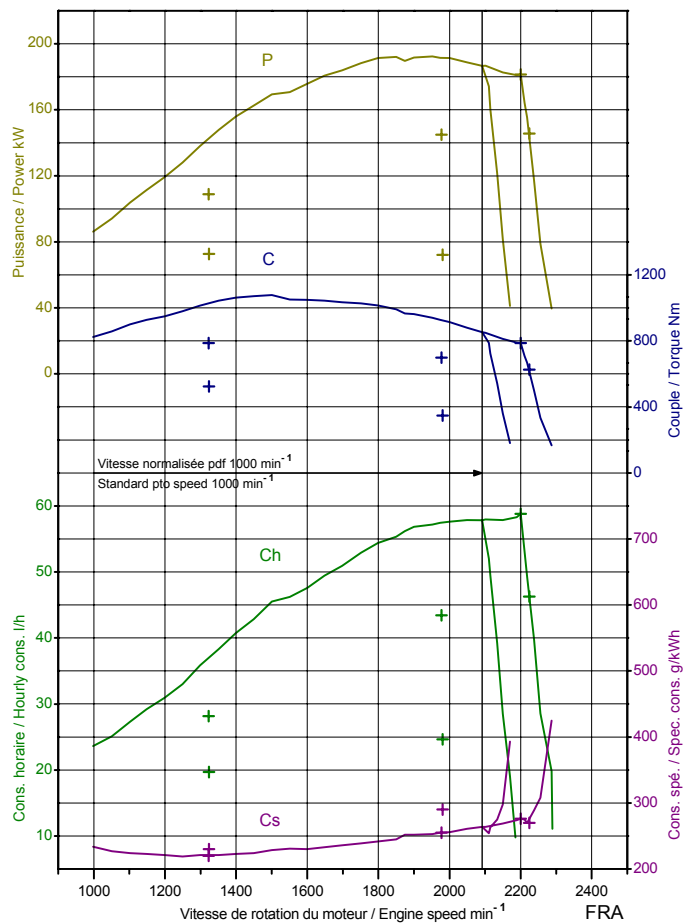
Testing station:

Cemagref, Antony, France

Claas Atles 946 RZ

4 RM/WD

OCDE/OECD 2/2299



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Deutz	BF6M1013FC	Code CE 205T
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	6		vertical in line
<i>Capacity, Cooling</i>	7146 cm ³		Liquid
<i>Gear box</i>			Mechanical
<i>Number of forward and reverse speeds</i>		18	8
<i>Speed at rated engine speed</i>		from 2.42	to 40.05 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>		596 min ⁻¹	1052 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>	192.4 kW	1952 min ⁻¹	933 min ⁻¹
<i>Hourly and specific consumption</i>		57.19 l/h	253 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	181.4 kW	2200 min ⁻¹	1052 min ⁻¹
<i>Hourly and specific consumption</i>		58.82 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	186.7 kW	2092 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		57.84 l/h	264 g/kWh

Torque rise

		36.9 %	
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Maximum torque, Engine speed corresponding

1077.4 Nm	1501 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

600/70 R 28	650/85 R 38
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Test with tractor

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

9750 kg

Maximum drawbar pull

88.1 kN

*Not**at speed of*

2.13 km/h

*required**Maximum power*

159.5 kW

*in**at speed of*

9.65 km/h

*Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

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

90.2 l/min

14.0 MPa

21.0 kW

Maximum lifting force*at hitch points, at frame*

91.6 kN

82.5 kN

