



OECD approval number

2/2 284

Restricted Code

OECD approval date

21/10/2005

Make

Claas

Model

Ares 547 ATZ

Type

4 WD

H5342EA - Renault Ares 547 ATZ

Renault Agriculture Ares 547 ATZ - 40 km/h

Manufacturer

CLAAS KGaA mbH

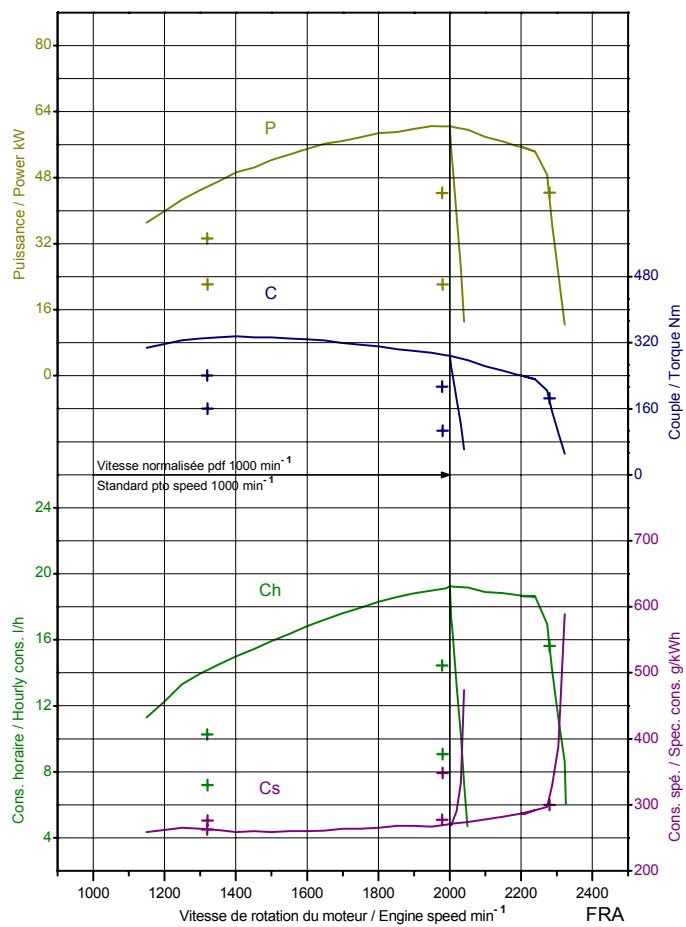
Testing station:

Cemagref, Antony, France

Claas Ares 547 ATZ

4 RM/WD

OCDE/OECD 2/2284



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 4045TRT73
<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>		24 24
<i>Speed at rated engine speed</i>		from 1.63 to 40.00 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>	60.5 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.25 l/h	271 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	55.5 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		18.68 l/h	287 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	60.5 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		19.25 l/h	271 g/kWh

Torque rise

		39.5 %
--	--	--------

<u>Maximum torque, Engine speed corresponding</u>	335.7 Nm	1402 min ⁻¹
---	----------	------------------------

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	440/65 R 28 unballasted	540/65 R 38 ballasted
--------------------------	-------------------------	-----------------------

Total Mass

	5070 kg	
--	---------	--

<i>Maximum drawbar pull</i>	47.4 kN	Not
-----------------------------	---------	-----

<i>at speed of</i>	1.77 km/h	required
--------------------	-----------	----------

<i>Maximum power</i>	56.1 kW	in
----------------------	---------	----

<i>at speed of</i>	6.61 km/h	Code 2
--------------------	-----------	--------

Hydraulic Performance and Power Lift Test*Hydraulic system*

		Opened centre
--	--	---------------

<u>At maximum hydraulic power</u>		
-----------------------------------	--	--

<i>Flow rate, Pressure, Power</i>	53.9 l/min	16.8 MPa	15.1 kW
-----------------------------------	------------	----------	---------

<u>Maximum lifting force</u>		
------------------------------	--	--

<i>at hitch points, at frame</i>	45.8 kN	35.9 kN
----------------------------------	---------	---------

