



OECD approval number

2/2 129

OECD approval date

Restricted Code

17/05/2004

Make

Renault

Model

Ares 826 RZ

Type

4 WD

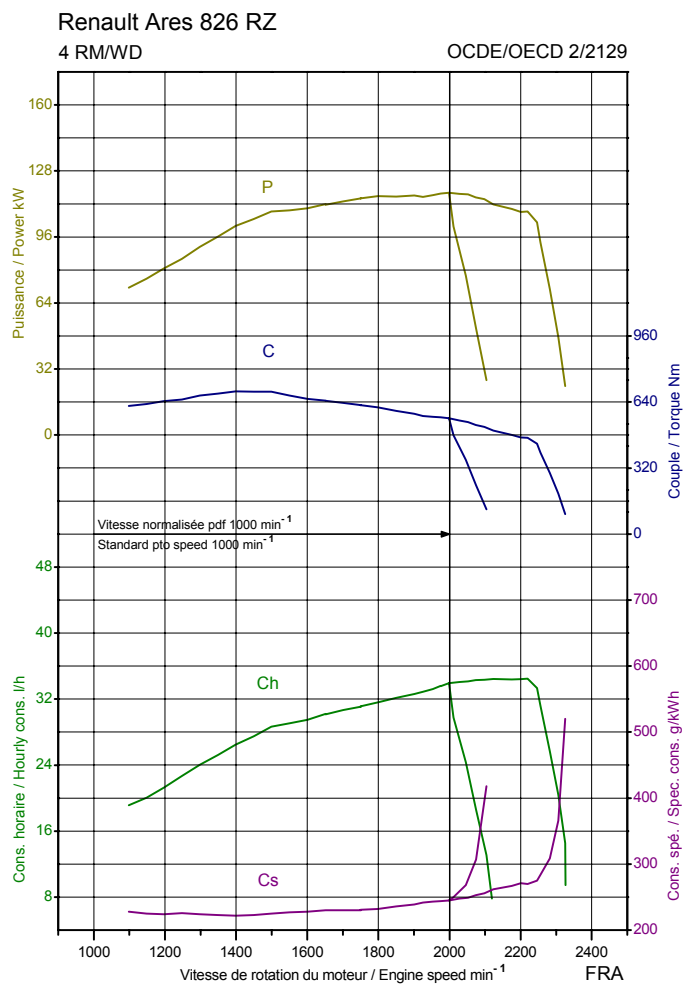
Manufacturer

H4422EA - 40 km/h

Testing station:

CLAAS KGaA mbH

Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 6068HRT71
<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 2.38 to 41.84 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>		629 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>	117.5 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33.94 l/h	245 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	108.4 kW	2220 min ⁻¹	1110 min ⁻¹
<i>Hourly and specific consumption</i>		34.47 l/h	270 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	117.9 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33.94 l/h	245 g/kWh

Torque rise

		48.3 %
<u>Maximum torque, Engine speed corresponding</u>	692.0 Nm	1399 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	600/65 R 28	650/75 R 38
	<u>unballasted</u>	<u>ballasted</u>

Total Mass

	7730 kg	
--	---------	--

Maximum drawbar pull

	69.9 kN	Not
--	---------	-----

at speed of

	2.19 km/h	required
--	-----------	----------

Maximum power

	103.5 kW	in
--	----------	----

at speed of

	7.47 km/h	Code 2
--	-----------	--------

Hydraulic Performance and Power Lift Test*Hydraulic system*

		Closed centre
--	--	---------------

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	86.1 l/min	14.9 MPa	21.4 kW
-----------------------------------	------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>		78.4 kN	72.2 kN
----------------------------------	--	---------	---------

