



OECD approval number

2/1 977

OECD approval date

Restricted Code

27/03/2002

Make

Renault

Model

Ceres 345

Type

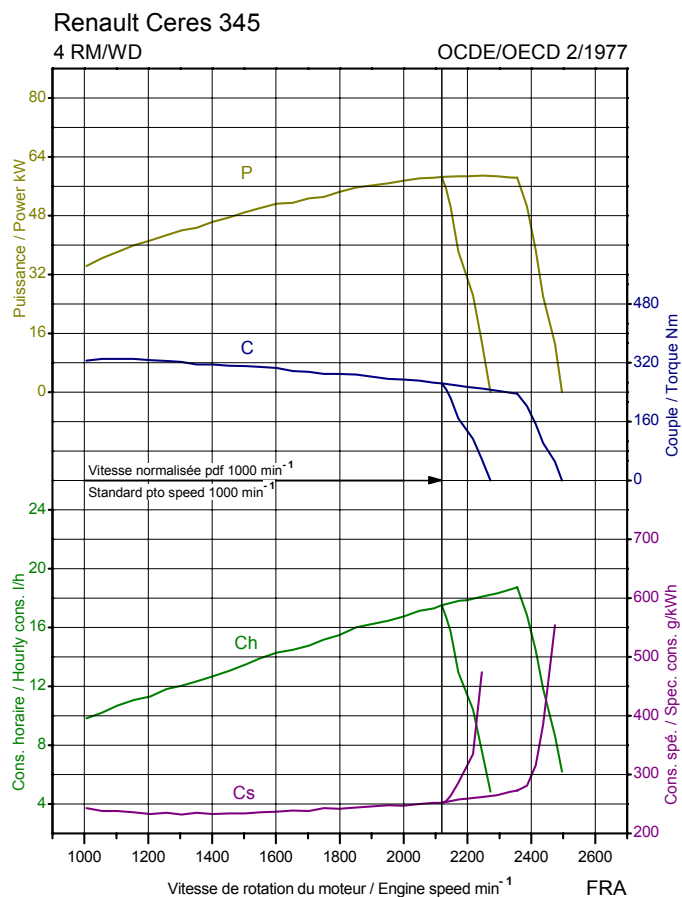
4 WD

Manufacturer

M1032AA - 40 km/h

Testing station:

Renault Agriculture
Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045 TRT 50
<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 synchronized
<i>Number of forward and reverse speeds</i>		20 20
<i>Speed at rated engine speed</i>		from 1.83 to 38.78 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 1110 min ⁻¹
<i>Diameter of the shaft</i>		34.9 mm 34.9 mm
<i>Number of splines</i>		6 6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	58.9 kW	2249 min ⁻¹	1062 min ⁻¹
<i>Hourly and specific consumption</i>		18.13 l/h	262 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	58.3 kW	2356 min ⁻¹	1113 min ⁻¹
<i>Hourly and specific consumption</i>		18.75 l/h	273 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	58.6 kW	2119 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		17.52 l/h	252 g/kWh

Torque rise

		39.7 %
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Maximum torque, Engine speed corresponding

330.3 Nm	1154 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*Test with tractor*Total Mass**Maximum drawbar pull**at speed of**Maximum power**at speed of*

13.6 R 24	16.9 R 34
<u>unballasted</u>	<u>ballasted</u>
3735 kg	
34.4 kN	Not
4.03 km/h	required
52.4 kW	in
8.83 km/h	Code 2

Power Lift and Hydraulic Performance Test*Hydraulic system**Maximum lifting force at hitch points, at frame*At maximum hydraulic power*Flow rate, Pressure, Power*

	Opened centre
32.3 kN	25.1 kN
47.9 l/min	14.7 MPa
	11.8 kW

