



OECD approval number

2/1 970

OECD approval date

Restricted Code

09/10/2001

Make

Renault

Model

Ceres 345 X

Type

4 WD

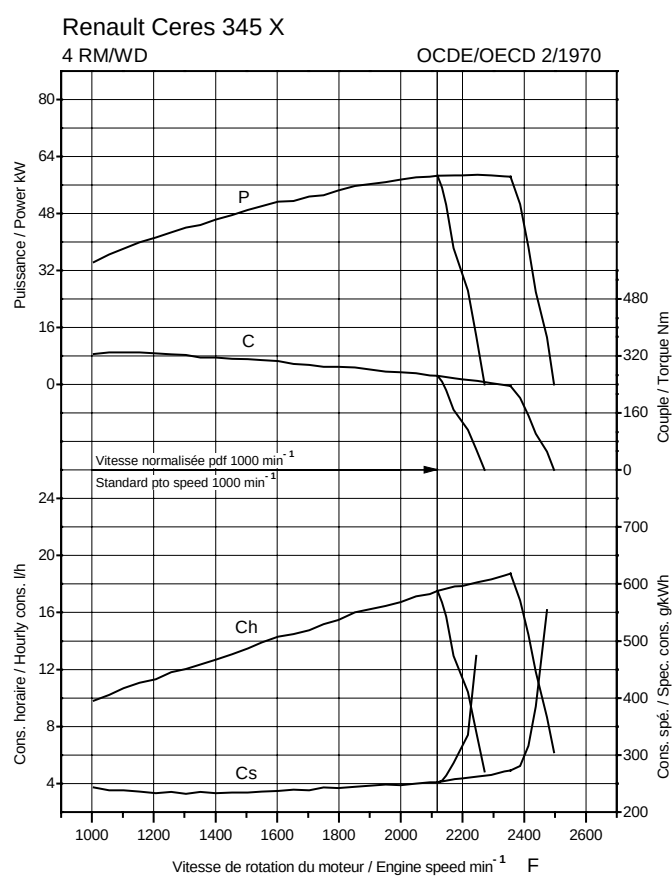
Manufacturer

M1032HA - 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 38.74 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<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

<i>Maximum torque, Engine speed corresponding</i>	330.3 Nm	1154 min ⁻¹	39.7 %
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	13.6 - 24	16.9 - 34
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Total Mass

	unballasted	ballasted
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<i>Maximum drawbar pull</i>	3875 kg	
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<i>at speed of</i>	37.1 kN	Not
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<i>Maximum power</i>	2.00 km/h	required
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<i>at speed of</i>	52.4 kW	in
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	8.83 km/h	Code 2
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Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
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<i>Maximum lifting force at hitch points, at frame</i>	32.3 kN	25.1 kN
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<u>At maximum hydraulic power</u>		
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<i>Flow rate, Pressure, Power</i>	47.9 l/min	14.7 MPa	11.8 kW
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