

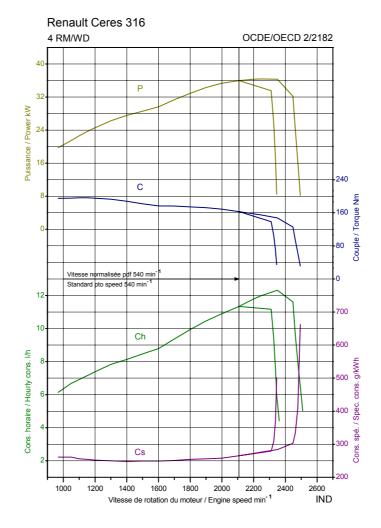
OECD approval number

OECD approval date Make

Model Type 2/2 182 Restricted Code 22/10/2004 Renault Ceres 316 4 WD M 1322 - 30 km/h

Manufacturer Testing station:

M/s International Tractors Ltd., India Central Farm Machinery Training and Testing Institute, Budni, India





Engine, Transmission, Power take-off Specifications  Make. Model Sonalika 4100F Ceres			
Type, Supercharging	Direct injection		None
Cylinders, Disposition	4		vertical in line
Capacity, Cooling	$3456 \text{ cm}^3$		By water
Gear box	3 100 6111	Mechanical synchronized	
Number of forward and reverse speeds		28 28	
Speed at rated engine speed		from 0.44	to 26.61 km/h
Standard Power take-off speed		540 min <sup>-1</sup>	1000 min <sup>-1</sup>
Power take-off speed at rated engine speed	1	602 min <sup>-1</sup>	1108 min <sup>-1</sup>
Diameter of the shaft		34.84 mm	34.84 mm
Number of splines		6	21
Power take-off Test			
Two hours test at maximum power			
Power, Engine and Power take-off speed	36.4 kW	2249 min <sup>-1</sup>	576 min <sup>-1</sup>
Hourly and specific consumption		11.99 l/h	276 g/kWh
Test at maximum power at rated engine spe	eed		3
Power, Engine and Power take-off speed	36.3 kW	2350 min <sup>-1</sup>	602 min <sup>-1</sup>
Hourly and specific consumption		12.31 l/h	284 g/kWh
Test at standard Power take-off speed			
Power, Engine and Power take-off speed	$36.0 \mathrm{kW}$	2108 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		11.34 l/h	265 g/kWh
<u>Torque rise</u>			33.2 %
Maximum torque, Engine speed correspond	ding	196.5 Nm	1152 min <sup>-1</sup>
Drawbar Test			
Front tyres, Rear tyres		12.4 R 20	16.9 - 28
<u>Test with tractor</u>		unballasted	<u>ballasted</u>
Total Mass		3350 kg	
Maximum drawbar pull		29.1 kN	Not
at speed of		2.19 km/h	required
Maximum power		27.6 kW	in
at speed of		6.95 km/h	Code 2
Hydraulic Performance and Power Lift Test			
Hydraulic system			Opened centre
At maximum hydraulic power			-
Flow rate, Pressure, Power	42.1 1/min	15.2 MPa	10.7 kW
Maximum lifting force			
at hitch points, at frame		17.9 kN	16.9 kN

