



OECD approval number

2/2 092

Restricted Code

OECD approval date

15/12/2003

Make

Renault

Model

Ceres 346

Type

4 WD

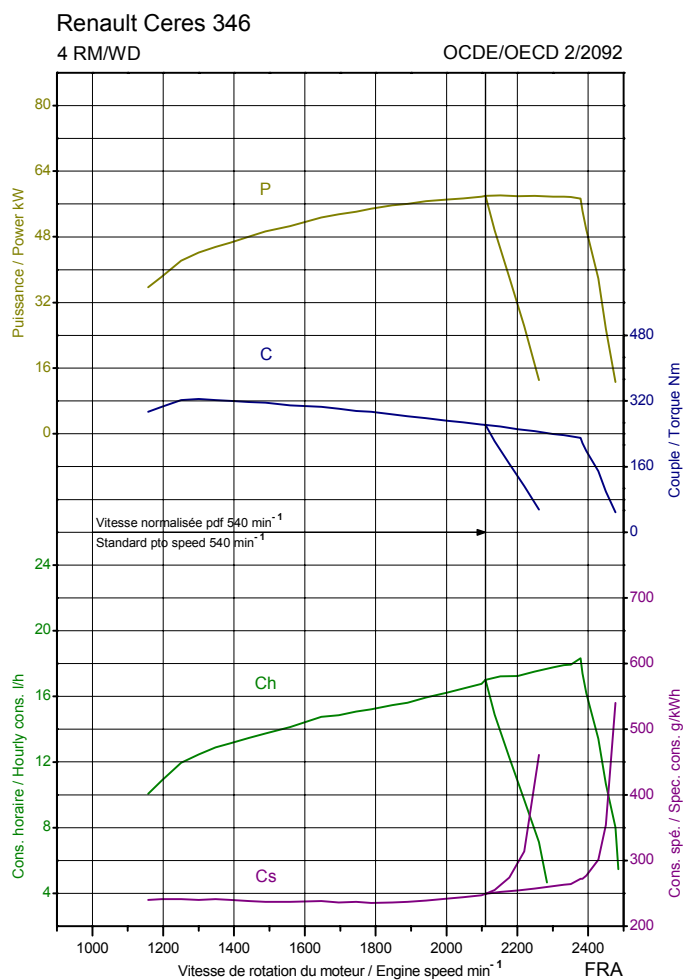
M1352WA - 40 km/h

Manufacturer

International tractor Ltd.

Testing station:

Cemagref, Antony, France



**Engine, Transmission, Power take-off Specifications**

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Make, Model</i>                                | Iveco                       | 845.255*231                  |
| <i>Type, Supercharging</i>                        | Direct injection            | Yes                          |
| <i>Cylinders, Disposition</i>                     | 4                           | vertical in line             |
| <i>Capacity, Cooling</i>                          | 3908 cm <sup>3</sup>        | Liquid                       |
| <i>Gear box</i>                                   |                             | Mechanical                   |
| <i>Number of forward and reverse speeds</i>       | 30                          | 30                           |
| <i>Speed at rated engine speed</i>                | from 0.47                   | to 38.74 km/h                |
| <u>Standard Power take-off speed</u>              | <u>540 min<sup>-1</sup></u> | <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> | 601 min <sup>-1</sup>       | 1110 min <sup>-1</sup>       |
| <i>Diameter of the shaft</i>                      | 34.9 mm                     | 34.9 mm                      |
| <i>Number of splines</i>                          | 6                           | 21                           |

**Power take-off Test**Two hours test at maximum power

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 58.1 kW | 2152 min <sup>-1</sup> | 551 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 17.23 l/h              | 252 g/kWh             |

Test at maximum power at rated engine speed

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 57.7 kW | 2351 min <sup>-1</sup> | 601 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 17.94 l/h              | 264 g/kWh             |

Test at standard Power take-off speed

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 58.0 kW | 2110 min <sup>-1</sup> | 540 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 17.00 l/h              | 249 g/kWh             |

Torque rise

|                                                   |          |                        |
|---------------------------------------------------|----------|------------------------|
|                                                   |          | 38.6 %                 |
| <u>Maximum torque, Engine speed corresponding</u> | 324.7 Nm | 1300 min <sup>-1</sup> |

**Drawbar Test***Front tyres, Rear tyres*

|                          |             |             |
|--------------------------|-------------|-------------|
| <u>Test with tractor</u> | 440/65 R 24 | 540/65 R 34 |
|--------------------------|-------------|-------------|

*Total Mass*

|  |                    |                  |
|--|--------------------|------------------|
|  | <u>unballasted</u> | <u>ballasted</u> |
|--|--------------------|------------------|

|                             |         |  |
|-----------------------------|---------|--|
| <i>Maximum drawbar pull</i> | 3610 kg |  |
|-----------------------------|---------|--|

|                    |         |     |
|--------------------|---------|-----|
| <i>at speed of</i> | 32.7 kN | Not |
|--------------------|---------|-----|

|                      |           |          |
|----------------------|-----------|----------|
| <i>Maximum power</i> | 1.63 km/h | required |
|----------------------|-----------|----------|

|                    |         |    |
|--------------------|---------|----|
| <i>at speed of</i> | 47.8 kW | in |
|--------------------|---------|----|

|  |           |        |
|--|-----------|--------|
|  | 8.53 km/h | Code 2 |
|--|-----------|--------|

**Hydraulic Performance and Power Lift Test***Hydraulic system*

|                                   |  |               |
|-----------------------------------|--|---------------|
| <u>At maximum hydraulic power</u> |  | Opened centre |
|-----------------------------------|--|---------------|

|                                   |            |          |         |
|-----------------------------------|------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 48.6 l/min | 16.2 MPa | 13.1 kW |
|-----------------------------------|------------|----------|---------|

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

|                                  |  |         |         |
|----------------------------------|--|---------|---------|
| <i>at hitch points, at frame</i> |  | 33.5 kN | 28.8 kN |
|----------------------------------|--|---------|---------|

