



OECD approval number

2/1 774/1

Restricted Code

04/10/2002

OECD approval date

Make

Zetor

Model

106 41 Forterra

Type

4 WD

40 km/h

Manufacturer

Zetor a.s.

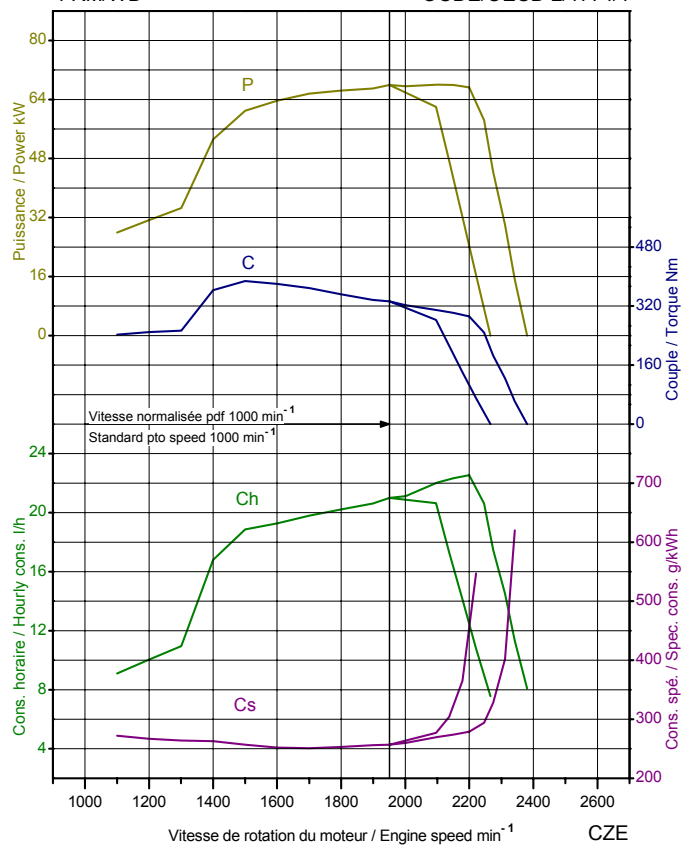
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 106 41 Forterra

4 RM/WD

OCDE/OECD 2/1774/1



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

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Make, Model</i>                                | Zetor                       | 1303                         |
| <i>Type, Supercharging</i>                        | Direct injection            | Yes                          |
| <i>Cylinders, Disposition</i>                     | 4                           | vertical in line             |
| <i>Capacity, Cooling</i>                          | 4156 cm <sup>3</sup>        | Liquid                       |
| <i>Gear box</i>                                   |                             | Mechanical                   |
| <i>Number of forward and reverse speeds</i>       | 24                          | 18                           |
| <i>Speed at rated engine speed</i>                | from 1.86                   | to 34.37 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> | 621 min <sup>-1</sup>       | 1128 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> | 68.0 kW | 2100 min <sup>-1</sup> | 1077 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 22.04 l/h              | 270 g/kWh              |

Test at maximum power at rated engine speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 67.3 kW | 2200 min <sup>-1</sup> | 1128 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 22.54 l/h              | 279 g/kWh              |

Test at standard Power take-off speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 67.9 kW | 1950 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 21.01 l/h              | 257 g/kWh              |

Torque rise

|                                                   |          |                        |        |
|---------------------------------------------------|----------|------------------------|--------|
| <i>Maximum torque, Engine speed corresponding</i> | 388.3 Nm | 1500 min <sup>-1</sup> | 32.9 % |
|---------------------------------------------------|----------|------------------------|--------|

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

|                          |                  |                  |
|--------------------------|------------------|------------------|
| <u>Test with tractor</u> | <u>14.9 R 24</u> | <u>18.4 R 38</u> |
|--------------------------|------------------|------------------|

*Total Mass*

|                             |         |  |
|-----------------------------|---------|--|
| <i>Maximum drawbar pull</i> | 4275 kg |  |
|-----------------------------|---------|--|

*at speed of*

|                      |         |     |
|----------------------|---------|-----|
| <i>Maximum power</i> | 35.4 kN | Not |
|----------------------|---------|-----|

*at speed of*

|  |           |          |
|--|-----------|----------|
|  | 4.46 km/h | required |
|--|-----------|----------|

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

|                                                        |         |               |
|--------------------------------------------------------|---------|---------------|
| <i>Maximum lifting force at hitch points, at frame</i> | 48.9 kN | Opened centre |
|--------------------------------------------------------|---------|---------------|

At maximum hydraulic power

|                                   |            |          |         |
|-----------------------------------|------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 60.0 l/min | 16.2 MPa | 16.2 kW |
|-----------------------------------|------------|----------|---------|