



OECD approval number

2/2 134

Restricted Code

OECD approval date

07/06/2004

Make

Zetor

Model

6421 Proxima

Type

2 WD

30 km/h

Manufacturer

Zetor a.s.

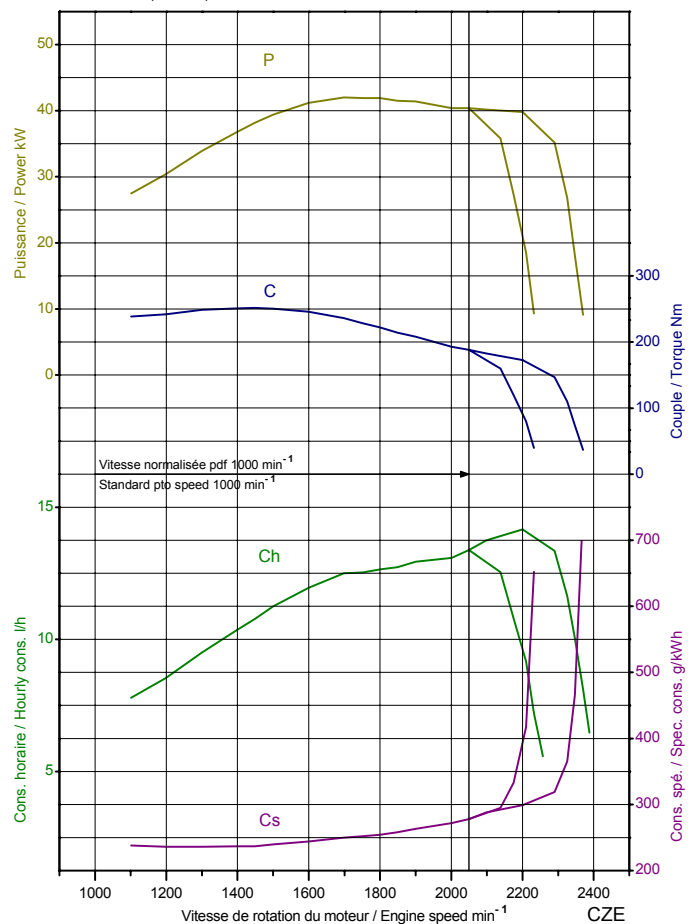
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 6421 Proxima

2 RM/WD (30 km/h)

OCDE/OECD 2/2134



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

|                                                   |                      |                                                          |
|---------------------------------------------------|----------------------|----------------------------------------------------------|
| <i>Make, Model</i>                                | Zetor                | 7204                                                     |
| <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 synchronized                                  |
| <i>Number of forward and reverse speeds</i>       |                      | 12 12                                                    |
| <i>Speed at rated engine speed</i>                |                      | from 1.20 to 27.81 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> |                      | 596 min <sup>-1</sup> None                               |
| <i>Diameter of the shaft</i>                      |                      | 34.9 mm                                                  |
| <i>Number of splines</i>                          |                      | 6                                                        |

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

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 41.9 kW | 1800 min <sup>-1</sup> | 878 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 12.65 l/h              | 254 g/kWh             |

Test at maximum power at rated engine speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 39.8 kW | 2200 min <sup>-1</sup> | 1073 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 14.16 l/h              | 299 g/kWh              |

Test at standard Power take-off speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 40.4 kW | 2050 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 13.38 l/h              | 278 g/kWh              |

Torque rise

|                                                   |  |          |                        |
|---------------------------------------------------|--|----------|------------------------|
| <i>Maximum torque, Engine speed corresponding</i> |  | 251.7 Nm | 1449 min <sup>-1</sup> |
|---------------------------------------------------|--|----------|------------------------|

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

|                          |  |           |           |
|--------------------------|--|-----------|-----------|
| <u>Test with tractor</u> |  | 7.50 - 16 | 16.9 R 30 |
|--------------------------|--|-----------|-----------|

*Total Mass*

|                             |  |             |           |
|-----------------------------|--|-------------|-----------|
| <i>Maximum drawbar pull</i> |  | unballasted | ballasted |
|-----------------------------|--|-------------|-----------|

*at speed of*

|                      |  |         |  |
|----------------------|--|---------|--|
| <i>Maximum power</i> |  | 3130 kg |  |
|----------------------|--|---------|--|

*at speed of*

|  |  |         |     |
|--|--|---------|-----|
|  |  | 22.1 kN | Not |
|--|--|---------|-----|

**Hydraulic Performance and Power Lift Test***Hydraulic system*At maximum hydraulic power

|                                   |            |          |         |
|-----------------------------------|------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 43.0 l/min | 17.5 MPa | 12.5 kW |
|-----------------------------------|------------|----------|---------|

Maximum lifting force

|                                  |  |         |         |
|----------------------------------|--|---------|---------|
| <i>at hitch points, at frame</i> |  | 30.8 kN | 19.7 kN |
|----------------------------------|--|---------|---------|

