



OECD approval number

2/1 775

Restricted Code

24/08/1998

OECD approval date

Make

Zetor

Model

96 21 Forterra turbo

Type

2 WD

30 km/h

Manufacturer

Zetor a.s.

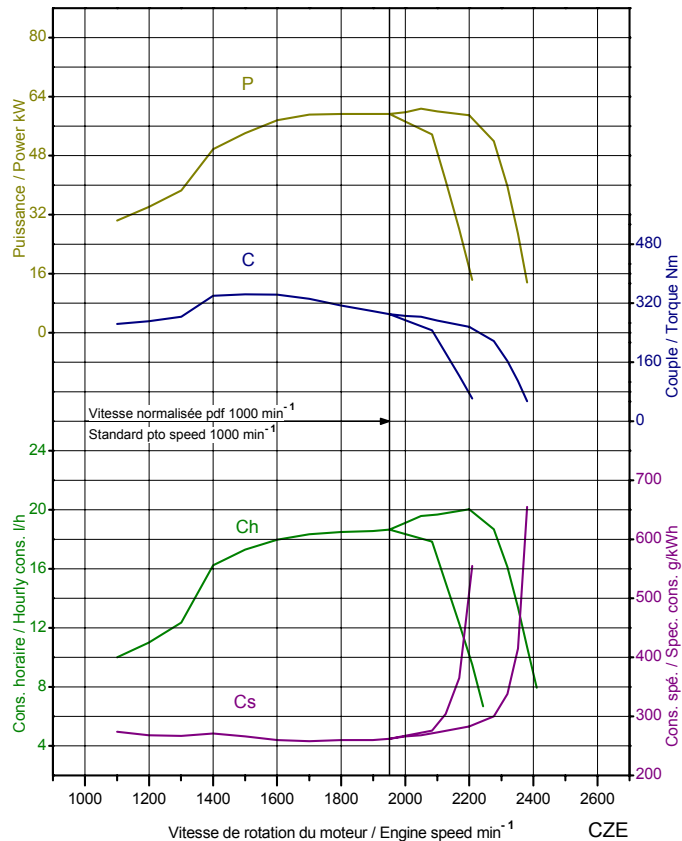
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 96 21 Forterra turbo

2 RM/WD

OCDE/OECD 2/1775



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zetor	1003
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4156 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	24	18
<i>Speed at rated engine speed</i>	from 1.62	to 30.01 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	621 min ⁻¹	1128 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	60.7 kW	2049 min ⁻¹	1051 min ⁻¹
<i>Hourly and specific consumption</i>		19.58 l/h	268 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	59.0 kW	2200 min ⁻¹	1128 min ⁻¹
<i>Hourly and specific consumption</i>		20.05 l/h	283 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	59.3 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		18.67 l/h	262 g/kWh

Torque rise

		34.5 %
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<u>Maximum torque, Engine speed corresponding</u>	344.4 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	7.50 - 20	16.9 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3730 kg	
<i>Maximum drawbar pull</i>	20.7 kN	Not
<i>at speed of</i>	8.17 km/h	required
<i>Maximum power</i>	51.6 kW	in
<i>at speed of</i>	13.97 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	51.0 l/min	15.8 MPa	13.4 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		47.6 kN	37.2 kN

