



OECD approval number

2/1 670/1

Restricted Code

20/06/2001

OECD approval date

Make

Zetor

Model

6321 Super

Type

2 WD

Emissions Compliant Engine - 5 x 2 Forward speeds

30 km/h

Manufacturer

Zetor a.s.

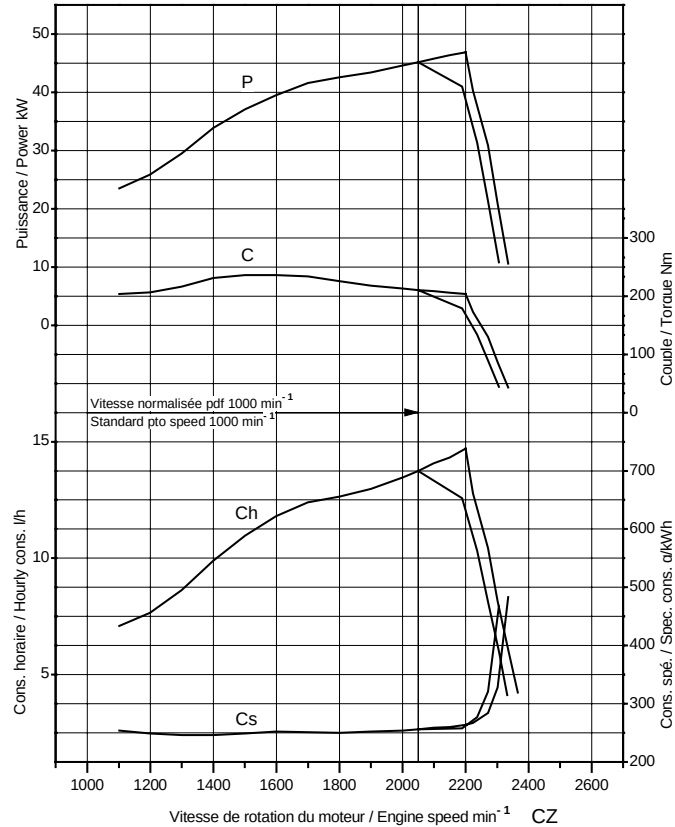
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 6321 Super (30 km/h)

2 RM/WD

OCDE/OECD 2/1670/1



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zetor	7703
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3922 cm ³	Liquid
<i>Gear box</i>	Mechanical synchronized	
<i>Number of forward and reverse speeds</i>	10	2
<i>Speed at rated engine speed</i>	from 1.64	to 29.82 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	596 min ⁻¹	1073 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>	46.9 kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		14.70 l/h	264 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	46.9 kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		14.70 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	45.2 kW	2050 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		13.75 l/h	256 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	236.0 Nm	1501 min ⁻¹	15.9 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	7.50 - 20	16.9 - 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3125 kg	
<i>Maximum drawbar pull</i>	19.7 kN	Not
<i>at speed of</i>	6.58 km/h	required
<i>Maximum power</i>	40.1 kW	in
<i>at speed of</i>	10.94 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	28.4 kN	19.1 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	37.0 l/min	17.4 MPa
		10.7 kW