



OECD approval number

1/1 730/1

OECD approval date

Full Code
28/06/2001

Make

Zetor

Model

7321 Super turbo

Type

2 WD

Emissions Compliant Engine - 5 x 2 Forward speeds
30 km/h

Manufacturer

Zetor a.s.

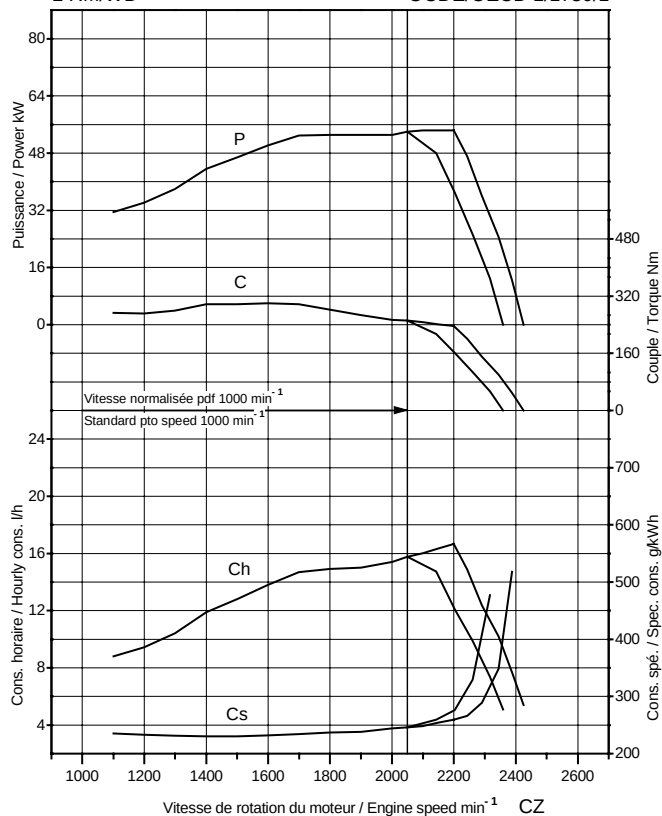
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 7321 Super turbo (30 km/h)

2 RM/WD

OCDE/OECD 1/1730/1



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zetor	7303
<i>Type, Supercharging</i>	Direct injection	Yes
<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	6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	54.3 kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		16.67 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	54.3 kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		16.67 l/h	259 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	54.0 kW	2050 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		15.77 l/h	246 g/kWh

Torque rise

		27.2 %
<u>Maximum torque, Engine speed corresponding</u>	299.8 Nm	1599 min ⁻¹

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>	3295 kg	4465 kg
<i>Maximum drawbar pull</i>	19.2 kN	24.4 kN
<i>at speed of</i>	6.77 km/h	5.56 km/h
<i>Maximum power</i>	42.0 kW	41.8 kW
<i>at speed of</i>	10.96 km/h	10.91 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	27.5 kN	17.6 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	39.0 l/min	16.2 MPa 10.5 kW