



OECD approval number

2/1 796/1

Restricted Code

28/08/2002

OECD approval date

Make

Zetor

Model

86 41 Forterra

Type

4 WD

40 km/h

Manufacturer

Zetor a.s.

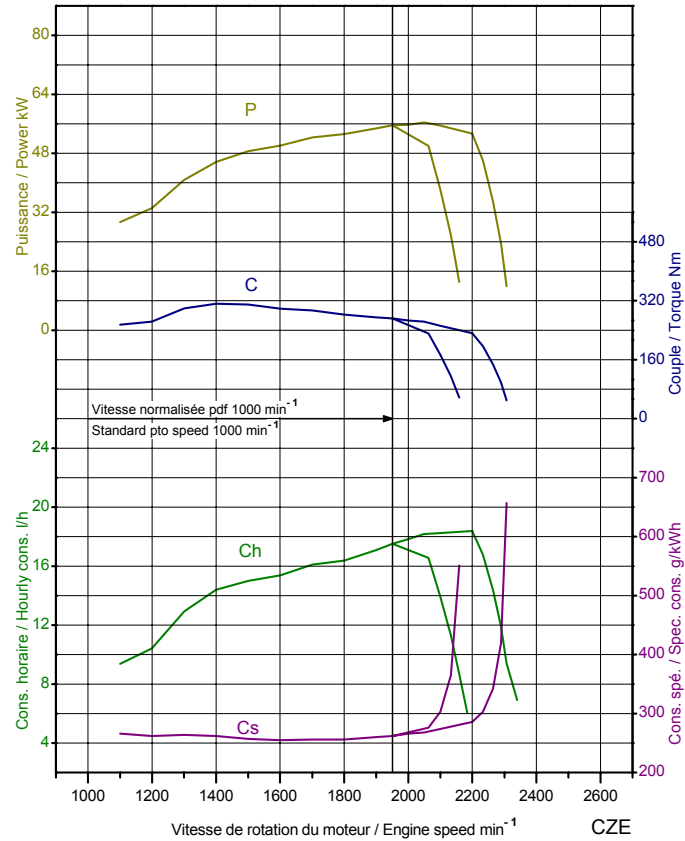
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 86 41 Forterra

4 RM/WD

OCDE/OECD 2/1796/1



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zetor	1203
<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 1.86	to 34.37 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>	56.4 kW	2049 min ⁻¹	1051 min ⁻¹
<i>Hourly and specific consumption</i>		18.19 l/h	268 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	53.4 kW	2200 min ⁻¹	1128 min ⁻¹
<i>Hourly and specific consumption</i>		18.38 l/h	286 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	55.6 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		17.52 l/h	262 g/kWh

Torque rise

		34.5 %
--	--	--------

Maximum torque, Engine speed corresponding

311.7 Nm	1400 min ⁻¹
----------	------------------------

Drawbar Test*Front tyres, Rear tyres*

	14.9 R 24	18.4 R 38
--	-----------	-----------

Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
--	--------------------	------------------

Total Mass

4255 kg

Maximum drawbar pull

40.5 kN

*at speed of*2.77 km/h *Not required**Maximum power*

45.2 kW

*at speed of*7.20 km/h *in Code 2***Power Lift and Hydraulic Performance Test***Hydraulic system*

Opened centre

Maximum lifting force at hitch points, at frame

47.5 kN

39.6 kN

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	50.0 l/min	16.4 MPa	13.7 kW
-----------------------------------	------------	----------	---------