



OECD approval number

2/1 794

Restricted Code

23/11/1998

OECD approval date

Make

Zetor

Model

106 41 Forterra turbo

Type

4 WD

30 km/h

Manufacturer

Zetor a.s.

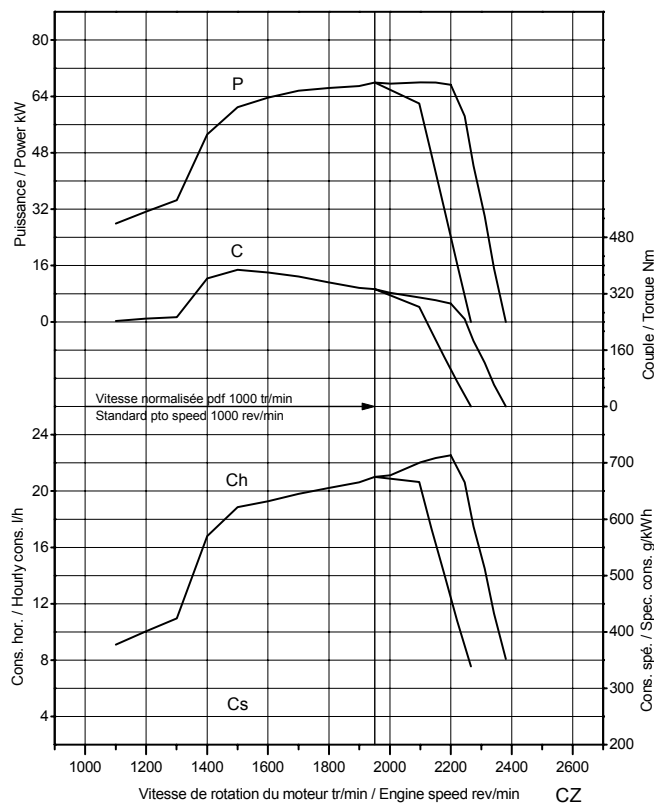
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 10641 Forterra turbo 30 km/h

4 RM/WD

OCDE/OECD 2/1794



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Zetor	1303
<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 1.67	to 30.96 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>	68.0 kW	2100 min ⁻¹	1077 min ⁻¹
<i>Hourly and specific consumption</i>		22.04 l/h	270 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	67.3 kW	2200 min ⁻¹	1128 min ⁻¹
<i>Hourly and specific consumption</i>		22.54 l/h	279 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	67.9 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		21.01 l/h	257 g/kWh

Torque rise

32.9 %

Maximum torque, Engine speed corresponding388.3 Nm 1500 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

14.9 R 24 18.4 R 38

Test with tractorunballasted ballasted*Total Mass*

4075 kg

Maximum drawbar pull

38.3 kN

Not

at speed of

4.99 km/h

required

Maximum power

59.3 kW

in

at speed of

8.64 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power*Flow rate, Pressure, Power*

60.0 l/min

16.2 MPa

16.2 kW

Maximum lifting force*at hitch points, at frame*

48.9 kN

39.3 kN

