



OECD approval number

2/1 793

Restricted Code

20/11/1998

OECD approval date

Make

Zetor

Model

116 41 Forterra

Type

4 WD

40 km/h

Manufacturer

Zetor a.s.

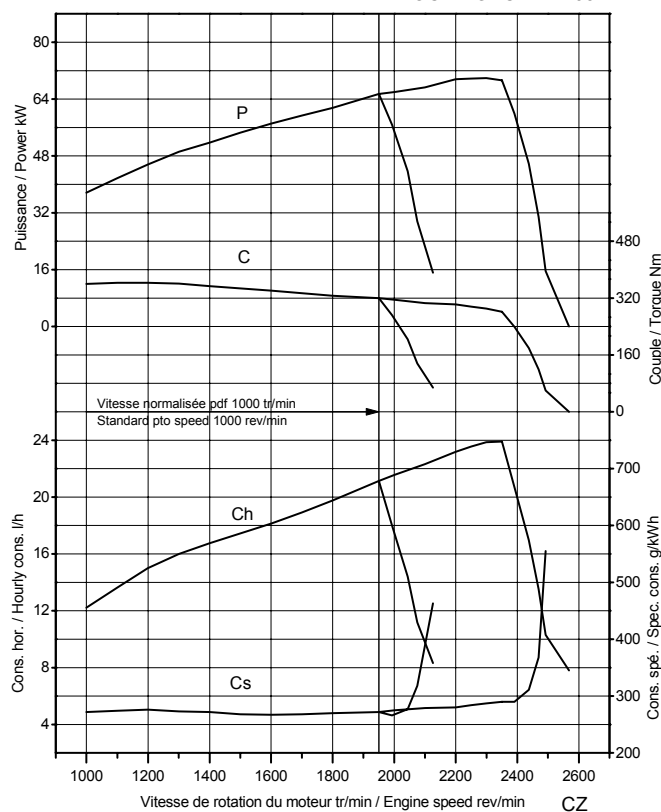
Testing station:

SZZPLS, Praha, Czech Republic

Zetor 11641 Forterra 40 km/h

4 RM/WD

OCDE/OECD 2/1793



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	Same Deutz-Fahr Group		1000.6W2
<i>Type, Supercharging</i>	Direct injection		None
<i>Cylinders, Disposition</i>	6		vertical in line
<i>Capacity, Cooling</i>	6001 cm <sup>3</sup>		Liquid
<i>Gear box</i>			Mechanical
<i>Number of forward and reverse speeds</i>	24		18
<i>Speed at rated engine speed</i>	from 1.98 to 36.71 km/h		
<u>Standard Power take-off speed</u>	<u>540 min<sup>-1</sup></u>		<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>	663 min <sup>-1</sup>		1205 min <sup>-1</sup>
<i>Diameter of the shaft</i>	34.9 mm		34.9 mm
<i>Number of splines</i>	6		21

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	69.9 kW	2299 min <sup>-1</sup>	1179 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		23.87 l/h	287 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	69.3 kW	2350 min <sup>-1</sup>	1205 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		23.90 l/h	290 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	65.4 kW	1950 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		21.14 l/h	272 g/kWh

Torque rise

		29.0 %	
<u>Maximum torque, Engine speed corresponding</u>	363.2 Nm	1199 min <sup>-1</sup>	

**Drawbar Test**

<i>Front tyres, Rear tyres</i>	14.9 - 24	520/70 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4610 kg	
<i>Maximum drawbar pull</i>	42.0 kN	Not
<i>at speed of</i>	4.11 km/h	required
<i>Maximum power</i>	62.2 kW	in
<i>at speed of</i>	6.34 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>	60.0 l/min	17.2 MPa	17.2 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		50.4 kN	36.7 kN

