



OECD approval number

2/1 881

Restricted Code

OECD approval date

01/02/2000

Make

Ursus

Model

5714

Type

4 WD

12 speeds

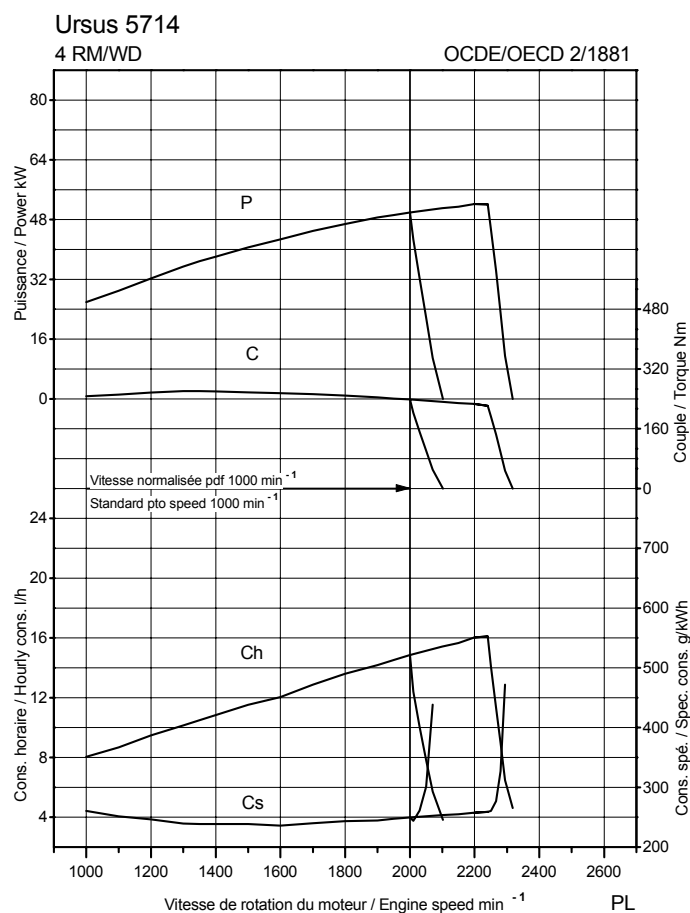
Manufacturer

Zakłady Przemysłu Ciągnikowego

"URSUS" S.A.

Testing station:

IBMER, Kludzienko, Poland



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Ursus	4410
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	in line
<i>Capacity, Cooling</i>	4070 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	4
<i>Speed at rated engine speed</i>	from 1.95 to 27.67 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>	596 min ⁻¹	1100 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 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>	52.2 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		16.04 l/h	258 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	52.2 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		16.04 l/h	258 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	50.0 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		14.87 l/h	249 g/kWh

Torque rise

		15.2 %	
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<u>Maximum torque, Engine speed corresponding</u>	261.0 Nm	1350 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	12.4 - 24	16.9 - 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3555 kg	
<i>Maximum drawbar pull</i>	30.0 kN	Not
<i>at speed of</i>	3.29 km/h	required
<i>Maximum power</i>	43.0 kW	in
<i>at speed of</i>	6.37 km/h	Code 2

Power Lift and Hydraulic Performance Test

Hydraulic system			Opened centre
Maximum lifting force at hitch points, at frame	19.4 kN		14.2 kN
<u>At maximum hydraulic power</u>			
Flow rate, Pressure, Power	50.3 l/min	18.5 MPa	15.5 kW