



OECD approval number

1 688

Restricted Code

OECD approval date

21/10/1997

Make

Valmet

Model

8050-4

Type

4 WD

36 speeds - 40 km/h

Manufacturer

Valtra Inc

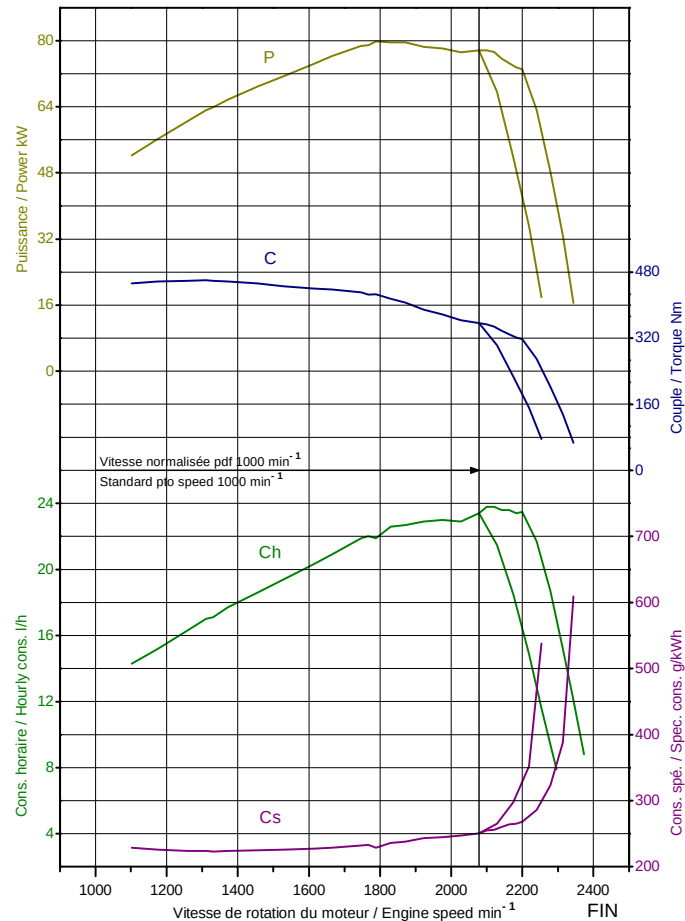
Testing station:

MTT/Vakola, Vihti, Finland

Valmet 8050

4 RMWD

OCDE/OECD 1688



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	620 DS
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6600 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	36	36
<i>Speed at rated engine speed</i>	from 0.58	to 39.40 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>	634 min ⁻¹	1058 min ⁻¹
<i>Diameter of the shaft</i>	34.8 mm	34.8 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>	79.9 kW	1788 min ⁻¹	860 min ⁻¹
<i>Hourly and specific consumption</i>		21.90 l/h	229 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	73.1 kW	2200 min ⁻¹	1058 min ⁻¹
<i>Hourly and specific consumption</i>		23.50 l/h	268 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	77.7 kW	2079 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.40 l/h	251 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		461.0 Nm	1310 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	14.9 R 28	18.4 R 38
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Total Mass

<i>Maximum drawbar pull</i>	4740 kg	
<i>at speed of</i>	39.9 kN	Not
<i>Maximum power</i>	4.44 km/h	required

at speed of

	69.3 kW	in
	9.74 km/h	Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

<u>At maximum hydraulic power</u>		Opened centre
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<i>Flow rate, Pressure, Power</i>	70.8 l/min	16.5 MPa	19.5 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		57.2 kN	40.0 kN
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