



OECD approval number

2/1 792

OECD approval date

Restricted Code

23/10/1998

Make

Valmet

Model

1180S-4

Type

4 WD

Manufacturer

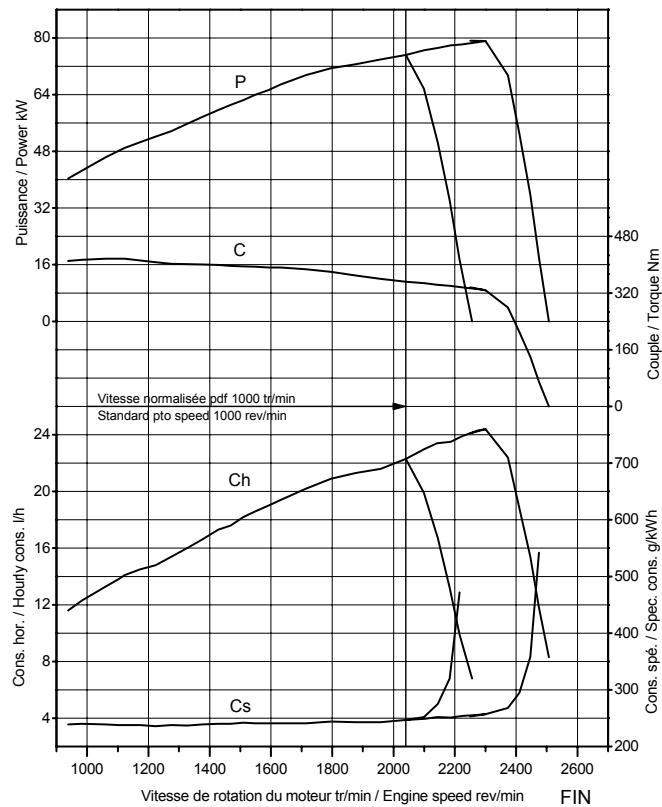
Valtra do Brasil S.A.

Testing station:

MTT/Vakola, Vihti, Finland

Valmet 1180S-4
4 RM/WD

OCDE/OECD 2/1792



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	620 D
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6600 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	8
<i>Speed at rated engine speed</i>	from 3.50	to 36.91 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>	656 min ⁻¹	1128 min ⁻¹
<i>Diameter of the shaft</i>	34.8 mm	34.8 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>	79.2 kW	2250 min ⁻¹	1103 min ⁻¹
<i>Hourly and specific consumption</i>		24.11 l/h	253 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	79.1 kW	2300 min ⁻¹	1127 min ⁻¹
<i>Hourly and specific consumption</i>		24.45 l/h	257 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	75.2 kW	2040 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		22.32 l/h	247 g/kWh

Torque rise

<i>Maximum torque. Engine speed corresponding</i>	417.2 Nm	1102 min ⁻¹	27.0 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 - 24	18.4 - 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4415 kg	
<i>Maximum drawbar pull</i>	37.7 kN	<i>Not</i>
<i>at speed of</i>	4.15 km/h	<i>required</i>
<i>Maximum power</i>	65.0 kW	<i>in</i>
<i>at speed of</i>	11.30 km/h	<i>Code 2</i>

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	50.5 l/min	17.0 MPa	14.3 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		40.4 kN	25.0 kN