

## PART 2

## Chapter 1 — ENGINE LIMITATIONS

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## 1 Engine limitations — Avon 122

(a)

<i>Power rating</i>	<i>Time limit</i>	RPM	<i>Max</i> IPT °C
Take-off and operational necessity	10 mins (combined)	8100 ± 50	690
Intermediate	30 mins	7950	655
Maximum continuous	Unrestricted	7700	625
Ground idling	Unrestricted	3000 ± 200	525

(b) *Oil pressures*

Normal at 7700 RPM and above	...	...	...	...	20 PSI
Minimum at 7700 RPM and above	...	...	...	...	15 PSI
Minimum at 3500 RPM	...	...	...	...	10 PSI

(c) The ground RPM will vary with a change in fuel density from that at which the engine settings were made. A higher density will cause a drop in RPM and a lower density a rise. Every 0.01 change in density will cause a corresponding difference of 50 in the ground RPM.

## 2 Fuel and oil specifications

(a) The use of the following fuels is permitted:

<i>Designation</i>	<i>NATO Code No</i>
AVTUR/FSII	F-34
AVTAG/FSII	F-40
*AVTUR	F-35
*AVCAT	F-44

\*These fuels may be used provided that fuel system icing inhibitor (D Eng RD 2451) is added in the proportion of 0.10 to 0.15 per cent by volume.

(b) The approved engine oil is:

<i>Designation</i>	<i>NATO Code No</i>
OX-38	O-149



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