



INSPECTION CHECKS

FUEL FLOW (CS-VLA 955 & 959 refer)			LAA/IC-FF Issue 4
A/C Type:	Reg:	LAA Mod No:	Date:
Engine Designation			
Carburettor Designation			

From Engine Operator's Manual:

Maximum Authorised Engine RPM	RPM
Minimum Allowable Pressure at Carburettor Inlet: (Pumped systems to be checked at this pressure)	bar or PSI
For Rotax 914 engines – air pressure at the fuel pressure regulator's airbox inlet (Ref TL2.20):	
Maximum Fuel Consumption of Engine at take-off	litres/hour

Minimum Allowable Fuel Flows for:

A) Gravity Fed Fuel System (150% Max consumption)	litres/hour
B) Excess from Engine Driven Pumped Fuel System (25% Max consumption)	litres/hour
C) Electric Pumped Fuel System (125% Max consumption)	litres/hour

Fuel Flow Test Results

1. Configure aircraft with minimal useable fuel in each tank and in the maximum climb attitude.
2. Carry out a flow check from each fuel source and with each and both pumps as applicable.
3. Describe below which fuel source was used in each case, e.g. MAIN, RESERVE, LEFT, etc.
(Pump 1 is the main pump and Pump 2 the back-up pump)

Fuel Source	1: _____				2: _____				3: _____			
Fuel feed method	Gravity	Pump 1	Pump 2	Pump 1 & 2	Gravity	Pump 1	Pump 2	Pump 1 & 2	Gravity	Pump 1	Pump 2	Pump 1 & 2
System pressure	----				----				----			
Engine RPM	----		----		----		----		----		----	
Fuel collected (litres)												
Time (seconds)												
Fuel flow* (litres/hr)												

*To calculate fuel flow, apply the following formula:
$$\frac{\text{LITRES COLLECTED} \times 3600}{\text{SECONDS}}$$

Declaration by Inspector

I certify that the above checks have been carried out to my satisfaction.

Name:	Signed:	Insp. No.:	Date:
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