



June 9, 2016

NTSB

Attn: Tim W. Monville
Sr. Air Safety Investigator
45065 Riverside Parkway
Ashburn, Virginia 20147

Dear Mr. Monville,

I have included the following documents in regard to model C6LC-L oil filter adapter per your request:

A) Instructions for Continued Airworthiness for the C6LC-L oil filter adapter:

ICAW FM2007-01 / REV B / 05.09.2011
ICAW FM2007-01 / REV C / 08.29.2012
ICAW FM2007-01 / REV D / 10.08.2013

B) Installation Instructions for model C6LC-L oil filter adapter:

REV 3 / 08.29.2012
REV 3 / 03.14.2013

The NTSB has the permission of Stratus Tool Technologies to publish excerpts from the Instructions for Continued Airworthiness into NTSB public documents.

Kind regards, 

for:
John Herman
President
Stratus Tool Technologies



ICAW:	FM2007-01
Revision:	D
Date:	Oct. 08, 2013

FM2007-01 REV D
INSTRUCTIONS
FOR
CONTINUED AIRWORTHINESS

F&M ENTERPRISES
OIL FILTER ADAPTERS
P/N'S T.A.F.-L, CO-300, C6SC, C6LC-11/15,
C6LC, C6LC-S, & C6LC-L

"PROPRIETARY"

The information contained in or disclosed by this document is considered proprietary to F & M Enterprises. This document and the information contained or disclosed herein shall not be used, copied or reproduced in whole or in part, nor shall the contents be shared with a third party unless written permission is obtained from F & M Enterprises.

F & M Enterprises
[REDACTED]
Borger, Texas [REDACTED]
TEL [REDACTED]



ICAW:	FM2007-01
Revision:	D
Date:	Oct. 08, 2013

2.5 F & M PART NUMBER C6LC-S, & C6LC-L

The engine modification allowed by STC No. SE09356SC installs the F & M Enterprises oil filter adapters P/N C6LC-S and C6LC-L on the CMI engine models O-470 series, IO-470 series, IO-520 series, and IO-550 series. The modification consists of replacing the original engine metallic oil filter screen with an adapter containing provisions for a full flow oil filter. A Champion full flow oil filter CH48108, or CH48108-1 [optionally Kelly ES48108, Tempest AA48108, Tempest AA48108-2, or Challenger Aviation CP48108-C] and the necessary gaskets are furnished with the installation kit.



Figure 5 – C6LC-S Adapter

TABLE 6.0 APPLICABLE DOCUMENTS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS F & M ENTERPRISES C6LC-S, C6LC-S OIL FILTER ADAPTERS		
SOURCE	DOCUMENT NUMBER	DOCUMENT TITLE
FAA	STC SE09356SC	Supplemental Type Certificate
F & M Enterprises	C6LC, C6LC-S, C6LC-L Instructions Dated Aug. 29, 2012	Model C6LC, C6LC-S, C6LC-L Installation Instructions
F & M Enterprises	FM2007-01	Instructions for Continued Airworthiness
Continental Motors Inc	See CMI Data①	Engine Service Information
Continental Motors Inc	See CMI Data①	Engine Operation & Maintenance
Continental Motors Inc	See CMI Data①	Engine Overhaul
Notes: ① Refer to applicable CMI manual for specific engine model. Engine servicing, operation, maintenance and overhaul remain unchanged.		

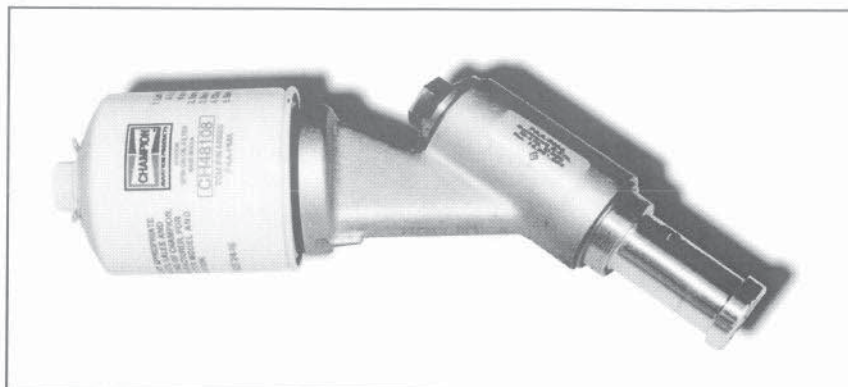


Figure 6 – C6LC-L Adapter

3.0 INSTALLATION & OPERATION INFORMATION

Install F & M oil filter adapters listed in Table 1.0 in accordance with F & M Enterprises Installation Instructions as identified in Section 2.0 of this document for the specific adapter.

CAUTION.....The oil filter adapter must be installed using new gaskets. Operate the engine and check for leaks following installation of the oil filter adapter and whenever replacing gaskets. Verify proper lockwire installation.

As stated in each applicable STC, "engines modified in accordance with this STC will not differ in performance or operating limitations for unmodified engines. Installation of the modified engine in the airframe is considered to be a minor change by definition in accordance with FAR Part 21.93. Due to the nature of the modification, no further FAA approval is required for the airplane."

4.0 FULL FLOW OIL FILTERS

Full flow oil filters eligible for use with the F & M oil filter adapters are listed below in Table 7.0

TABLE 7.0 FULL FLOW OIL FILTERS ELIGIBLE FOR USE WITH F & M ENTERPRISES OIL FILTER ADAPTERS	
MANUFACTURER	OIL FILTER PART NO.
Champion	CH48108, CH48108-1
Kelly Aerospace	ES48108
Tempest	AA48108, AA48108-2
Challenger Aviation	CP48108-C



ICAW:	FM2007-01
Revision:	D
Date:	Oct. 08, 2013

5.0 SERVICING INFORMATION

Change oil and filter in accordance with the engine manufacturer's recommendations. F & M may be contacted at the following address for questions regarding the installation, operation, and servicing of the oil filter adapter.

F & M Enterprises
[REDACTED]

Borger, Texas [REDACTED]

TEL [REDACTED]
[REDACTED]

6.0 MAINTENANCE INSTRUCTIONS

Perform the following inspections at each annual inspection or 100 hour inspection whichever occurs first.

6.1 INSPECT FOR OIL SEEPAGE

Inspect the oil filter adapter and joints for oil seepage. If oil seepage is detected, remove the safety wire and replace gaskets. Re-install the oil filter adapter in accordance with F & M Installation Instructions using new gaskets. Following replacement of gaskets and installation of the oil filter adapter, run the engine and check integrity of joints for leakage.

6.2 INSPECT SAFETY WIRE

Check security and integrity of safety wire. If worn or loose, remove and replace the safety wire. Retorque the adapter in accordance with F & M's Installation Instructions and replace safety wire.

6.3 INSPECT INTEGRITY OF FIT

Check and verify the adapter will not rotate when pressure is applied to rotate the adapter. If the adapter moves, remove the safety wire and re-torque the adapter in accordance with F & M's Installation Instructions and secure with safety wire. Run the engine afterwards to verify no leakage.

6.4 RECORD LOG BOOK ENTRY

Record results of the maintenance inspections in the log book.

7.0 REMOVAL AND REPLACEMENT INFORMATION

Refer to F & M Enterprises Installation Instructions for the specific adapter listed in Section 2.0.