



US Department
of Transportation
Federal Aviation
Administration

**MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N42974	Serial No. 18259272	
	Make CESSNA	Model 182L	Series -
2. Owner	Name (As shown on registration certificate) NICHOLS AVIATION LLC	Address (As shown on registration certificate) Address 513 KODIAK TRL	
		City CEDAR PARK State TX	Zip 78613 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. A&P454319307
Name	SCOTT RICHTER	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer	
Address	220 STEARMAN DR.	<input type="checkbox"/> Foreign Certificated Mechanic		
City	GEORGETOWN State TX	<input type="checkbox"/> Certificated Repair Station		
Zip	78628 Country USA	<input type="checkbox"/> Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual SCOTT RICHTER 4-7-2014
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport Other (Specify)
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	

Certificate or Designation No. A&P454319307IA	Signature/Date of Authorized Individual SCOTT RICHTER 4-7-2014
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

N42974

4-7-2014

8. Description of Work Accomplished

Nationality and Registration Mark

Date

INSTALLED O-470-S ENGINE IN ACCORDANCE WITH STC SA2635CE. INSTALLATION ACCOMPLISHED IN ACCORDANCE WITH C S INDUSTRIES INSTALLATION INSTRUCTIONS FORM 182-2 DATED JUNE 5, 1990.

----- END -----

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

ONLY ORIGINAL ISSUE RED INK
STAMPED STC COPY IS VALID

Number

THIS STC IS ISSUED FOR THE FOLLOWING AIRCRAFT
SA2635CE
MANUFACTURER CESSNA MODEL 182L
AIRCRAFT SERIAL NUMBER 18259272 N42974
PART SERIAL NUMBER 75008

This certificate issued to:

P. Ponk Aviation
1212 Moore Road #2
Camano Island, WA 98282-8820

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product - Type Certificate Number : 3A13
Make : Cessna
Model : 182 E, F, G, H, J, K, L, M, N and P

Description of Type Design Change:

Installation of Continental 0-470-S or 0-470-R engine. Data required: (1) C S Industries Installation Instructions Form 182-2 dated June 5, 1990, or later "FAA Approved" revision; (2) Cessna Single Engine Service Letter SE75-2 dated August 22, 1975; and (3) Continental Aircraft Engine Service Bulletin M75-13 dated June 20, 1975.

Limitations and Conditions:

The Continental 0-470-R or 0-470-S engine may be installed interchangeably in all of the airplane models listed above. The Hartzell HC-82XF-1 or HC-A2XF-1 or BHC-A2XF-1 (with 8433-2 blade) propellers are not approved on the 0-470-R or 0-470-S engines. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of the other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

E2737500835

Date of application : June 5, 1990

Date reissued : September 22, 2005

Date of issuance : June 15, 1990

Date amended :

By direction of the Administrator



Dan Withers

(Signature)

Dan Withers
Program Manager
Wichita Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

P. PONK AVIATION

STEVEN L. KNOPP NORMA J. KNOPP
CAMANO ISLAND AIRFIELD
1212 NORTH MOORE ROAD #2
CAMANO ISLAND, WA. 98282-8820

PHONE: 360 629-4812
FAX: 360 629-4811
WEB: www.pponk.com
email: info@pponk.com

Permission Statement

This statement is accepted in accordance with FAA Order 8300.10 when installation of an alteration, based on a Supplemental Type Certificate, is performed by persons other than the STC holder.

The holder of this Permission Statement (the aircraft owner and/or his agent) may use the STC reflected on the reverse side, to modify only the aircraft referenced below, in accordance with the STC documents.

Permission Statement is not transferable to any other airframe.

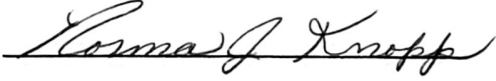
Aircraft Model: Cessna 182L

Aircraft Registration Number: N42974

Aircraft Serial Number: 18259272

STC Number: SA2635CF

PPA Serial Number Assigned: 75008

Authorized Signature: 

Date: March 31, 2014

Reproducing, disclosing this information to any third party, or use of the documents for any purpose other than to modify this aircraft is not authorized. Retaining these documents or using them to accomplish modification of the above aircraft constitutes your agreement to these terms.

This written permission statement allows the holder of an STC a means to enforce property rights against individuals who, without permission, use the intellectual property found in an STC.

Any person who makes or causes to be made a fraudulent or intentionally false statement or entry, that falsely expresses permission from an STC holder to use that STC may be in violation of 14 CFR Part 21, Subpart A, 21.2 or Part 43 Section 43.12.

P. PONK AVIATION
1212 Moore Rd. #2
Camano Island, WA 98282

(360) 629-4812

STC SA2635CE
Installation Instructions
CS Ind. Form 182-2

June 5, 1990

INSTALLATION INSTRUCTIONS

SR# 18253599-18265175

1. Install TCM Mod.0470-R or 0470-S Ref. Cessna Service Manual #D2068-13 and Cessna Service Letter SE75-2. See Note CHT Location
 0-470-R Oil Temp. Guage 225 F limit PN 442785 or Subsequent
 0-470-S Oil Temp. Guage 240 F limit PN 442786-63 or Subsequent.
2. Varify Propeller Model. See Note 2
3. Complete F.A.A. Form 337 and make log book entries.
4. Attach copy of Form 182-2 and STC to aircraft records.
 Weight and Balance change none

Note 1 C.H.T. Thermistor Location Cylinder No.

SR# 18260055 and below if installed use same location

	0-470-R	0-470-S
182N 1970 and 1971 Model	3	3
182P 1972 and 1973 Model	2	3
182P 1974 Model	1	3
182P 1975 and 1976 Model	1	3

Note 2 Propellers eligible for 0-470-R and 0-470-S Model Engines

Model

- Hartzell BHC-C2YF-1 / 8468-2 Blades
- McCaughey 2A36C / 90M-8 Blades
- McCaughey 2A34C / 90A-8 or 90AT-3 Blades
- McCaughey 2A34C66 / 90AT-8 Blades
- McCaughey 2A34C201 /90DA-8 Blades
- McCaughey 2A34C203 /90DCA-8 Blades

Hartzell Propellers not Eligible are

- Hartzell HC-82XF-1/8433-2 Blades
- Hartzell HC-A2XF-1/8433-2 Blades
- Hartzell BHC-A2XF-1/8433-2 Blades



RECEIVED

JUN 5 1990

Wichita Aircraft Certification
 Office, ACE-115W

PPA SN: 75008

CS Ind. Form 182-2

Page 2

Airframe Modification Data Plate

This Airframe Modification Data Plate must be attached to the firewall of the modified aircraft in plain view using stainless steel rivets or other stainless attachment hardware.

