U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No.2120-0020

For FAA Use Only

Office Identification
SO-FSDO-13

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make New Piper	Model PA-23-250
	Serial No. 27-7754047	Nationality and Registration Mark United States N159B
2. Owner	Name (As shown on registration certificate) Henson's Inc	Address (As shown on registration certificate) P.O. Box 1060 Tryon, NC 28782-1060

3. For FAA Use Only

RECEIVED
FEB - 9 2005
CAE FSDO S013

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	*(As described in item 1 above)*				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Anthony D. Casey 124 Twin Creek Drive Spartanburg, SC 29316	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	A&P 251967817

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date	Signature of Authorized Individual
February 3, 2005	Anthony D. Casey

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☑ APPROVED ☐ REJECTED

BY		FAA Flt. Standards Inspector		Manufacturer	X	Inspection Authorization	Other *(Specify)*
		FAA Designee		Repair Station		Person Appoved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
February 3, 2005	A&P 251967817 IA	Anthony D. Casey

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. Removed Electronics International Engine Analyzer.
2. Installed J.P. Instruments EDM760 Engine Analyzer.
3. Installatio perofrmed IAW J. P. Instruments STC # SA00729SE and J.P. Instruments Installation Manual Report number 760 dated 7/20/99 Rev NC.
4. Installation Manual contains Instructions for Continued Airworthiness.
5. Revised Equipment List.
6. Recomputed Weight and Balance.
7. Inserted Flight MAnual Supplement in Aircraft Flight Manual.

********** **NOTHING FOLLOWS** **********

☐ Additional Sheets Are Attatched

Reproduced by Avantext, Inc.

*U.S.GPO:1994-568-012/00019

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO 7SD05 MS

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make: PIPER	Model: PA 23-T250
	Serial No.: 27-7754047	Nationality and Registration Mark: USA N159B
2. Owner	Name *(As shown on registration certificate)*: HENSON'S INC.	Address *(As shown on registration certificate)*: P.O. BOX 1060, TRYON, N.C. 28782-1060

3. For FAA Use Only

The data / ~~alteration / repair~~ identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43.7.
Date: 4/7/98 Signed: [signature] Aviation Safety Insp. SO FSDO-05

4. Unit Identification / 5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type / Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Piedmont Aviation Services, Inc. 6427 Airport Parkway Greensboro, NC 27410	[ ] U.S. Certified Mechanic [ ] Foreign Certified Mechanic [X] Certificated Repair Station [ ] Manufacturer	Repair Station PAI 5208A

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date	Signature of Authorized Individual
4-7-98	[signature]

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY							Other *(Specify)*
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	
	[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
4-7-98	PAI 5208A	[signature]

FAA Form 337 (12-88)

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.

B. Description of Work Accomplished

(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

THIS 337 IS TO CERTIFY THE NORTHSTAR M-3 GPS INSTALLED ON FAA FORM 337 DATED 07 APR 1998

THIS IFR APPROVAL IS REFERRED TO STC SA00464NY

ALL ANNUNCIATOR REQUIRED BY AC 120-138 WERE INSTALLED AND FUNCTIONALLY TESTED FOR ENROUTE AND APPROACH FREQUIREMENTS.

A ILS LOCKOUT FEATURE IS INSTALLED WHICH PREVENTS GPS INFORMATION FROM BEING AVAILABLE TO THE AUTOPILOT WHEN AN ILS FREQUENCY IS SELECTED ON NAV#1.

THE AIRCRAFT CONTROL SURFACE BONDING AND STATIC WICKS WERE CHECKED.

THE GPS WAS FUNCTIONALLY TESTED AND FLIGHT TEST DATA ACQUIRED, SEE ADDITIONAL SHEETS.

FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED 07 APR 1998 IS REQUIRED FOR THIS INSTALLATION.

FLIGHT CHECKED Glenn O. Thompson — PILOT SIGNATURE

245-80-9715 — CERTIFICATE NUMBER

END

☐ Additional Sheets Are Attached

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO7SD005 MJ

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make: PIPER	Model: PA 23-T250
	Serial No.: 27-7754047	Nationality and Registration Mark: USA N159B
2. Owner	Name *(As shown on registration certificate)*: HENSON'S INC	Address *(As shown on registration certificate)*: P.O. BOX 1060, TROY, N.C. 28782-1060

3. For FAA Use Only

The data / ~~alteration / repair~~ identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43.7.
Date: 4/7/98 Signed: M. Johnson Aviation Safety Insp. SO FSDO-05

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type / Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
PIEDMONT AVIATION SERVICE, INC. P.O. BOX 8227 GREENSBORO, N.C. 27419	[ ] U.S. Certified Mechanic [ ] Foreign Certified Mechanic [X] Certificated Repair Station [ ] Manufacturer	PAI5208A

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date	Signature of Authorized Individual
4-7-98	

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is X APPROVED [ ] REJECTED

BY							Other *(Specify)*
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	
	[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
4-7-98	PAI5208A	

FAA Form 337 (12-88)

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.

B. Description of Work Accomplished

(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

THIS 337 IS SUBSTANCIATE THE INSTALLATION OF THE NORHTSTAR M-3 NAVIGATOR INSTALLED ON FAA FORM 337 DATED SEPTEMBER 23, 1997.

THE INSTALLATION OF THIS NORTHSTAR M-3 NAVIGATOR HAS BEEN INSPECTED, AND FOUND TO CONFORM WITH THE REQUIRED REFERENCES LISTED BELOW.

ALL EQUIPMENT MOUNTED PER AC43.13-2A CHAPTER 2, PARAGRAGPHS 21,22,23,24, AND 27. REQUIRED ANTENNA'S WERE MOUNTED PER AC 43.13-2A CHAPTER 3 AND MANUFACTURES INSTALLATION INSTRUCTIONS, AND FLIGHT TESTED IAW AC 20-138.

ALL WIRING MEETS APPLICABLE PORTIONS OF AC43.13-1A, SECTIONS 2 AND 3.

THE MAGNETIC COMPASS WAS CHECKED FOR CALIBRATION, AND UPON TOTAL AVIONICS SYSTERM RUN UP NO EMI OR RMI WAS NOTED.

THE AIRCRAFT WEIGHT AND BALANCE EQUIPMENT LISTED AND LOGBOOK UPDATED THIS DATE.

THE NORTHSTAR M-3 GPS NAVIGATOR WAS PLACARED FOR VFR USE ONLY.

END

☐ Additional Sheets Are Attached

☆U.S. G.P.O. 1990-761-753

09m -

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
So-FSDO-03

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make: PIPER	Model: PA23-250
	Serial No.: 27-7754047	Nationality and Registration Mark: USA N159B
2. Owner	Name *(As shown on registration certificate)*: BRAUER MATERIAL HANDLING SYSTEMS,-INC	Address *(As shown on registration certificate)*: P.O. BOX 1009 GOODLETTSVILLE TN 37072

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	*(As described in Item 1 above)*				XXX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
MATTHEW INSELMAN GALLATIN FLYING SERVICE 1475 AIRPORT BLVD GALLATIN TN 37066	X	U.S. Certificated Mechanic	A&P447708166
		Foreign Certificated Mechanic	
		Certificated Repair Station	
		Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date: 9/24/93

Signature of Authorized Individual: Matthew Inselman

RECEIVED
FAA

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY							Other *(Specify)*
		FAA Flt. Standards Inspector		Manufacturer	X	Inspection Authorization	SEP 29 1993 TN FSDO Nashville, Tennessee
		FAA Designee		Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
9/24/93	447708166TA	Matthew Inselman

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N159B PA23-250 HOBBS TIME: 861.0

1. REMOVED PAPER INDUCTION AIR FILTER ELMENTS FROM L/H AND R/H NACELLES.
2. INSTALLED BRACKETT AIRCRAFT CO., INC. INDUCTION AIR FILTER ASSEMBLIES PART NO. BA-3510 IN L/H AND R/H NACELLES.
3. ITEMS ABOVE IN 2 INSTALLED IN ACCORDANCE WITH BRACKETT AIRCRFT CO., INC. INSTALLATION INSTRUCTION SHEET PART NUMBER BA3510-04 REV. 3-7-90.
4. ITEMS LISTED IN 2 ABOVE INSTALLED UNDER STC SA71GL.
5. NO CHANGE TO WEIGHT AND BALANCE.

----------END----------

☐ Additional Sheets Are Attached

★U.S.GPO:1989-0-663-171

BRACKETT AIRCRAFT CO., INC.
STC SA71GL
APPROVED MODEL LIST NO. 1

BRACKETT FILTER MODEL BA-3310 APPLICABILITY LIST

AIRPLANE MODEL	T.C. NO.	DESCRIPTION OF TYPE DESIGN CHANGE	APPROVED DATE
Piper PA-31P, PA-31P-350	A8EA	Install BA-3310 Filter Assembly in accordance with installation instructions PN BA-3310-06 dated March 3, 1991 or later FAA approved revision.	March 12, 1991

BRACKETT FILTER MODEL BA-3510 APPLICABILITY LIST

Piper PA-23-250, PA-E23-250 with Lycoming T10540-(engine (eligible SN's 27-4426, 27-4574 and up).	1A10	Install BA-3510 Filter Assembly in accordance with installation instructions PN BA-3510-04 dated October 9, 1985 or later FAA approved revision.	July 31, 1986

FAA APPROVED
JUN 18 1992
LOS ANGELES
AIRCRAFT CERTIFICATION OFFICE
INITIALS: R am

BRACKETT FILTER MODEL BA-3810 APPLICABILITY LIST

Cessna 411, 411A	A7CE	Install BA-3810 Filter Assembly in accordance with installation instructions PN BA-3810-04 dated June 26, 1991 or later FAA approved revision.	Mar. 19, 1992

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA71GL

This certificate, issued to Brackett Aircraft Company, Inc.

certifies that the change in the type design for the following product with the limitations and conditions thereto as specified hereon, meets the airworthiness requirements of Part Specified under certification basis on the applicable Data Sheets or Aircraft Specifications. Regulations

Original Product—Type Certificate Number:
Make: As shown on Approved Model List(s)
Model:

Description of Type Design Change:
Replace existing engine air filter frame assembly with Brackett Aircraft Specialties frame assembly in accordance with Approved Model List.

NOTE: FAA- Approved Model List(s) form a part of this certificate.

Limitations and Conditions: This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

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.

Date of application: January 9, 1975
Date of issuance: February 21, 1975
Date reissued: March 3, 1983
Date amended:

By direction of the Administrator
Jesse A. Krueger
(Signature)
Supervisor, Aircraft Modification Section
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.
This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-68)

U.S. Department of Transportation Federal Aviation Administration

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

Form Approved
OMB No.2120-0020

For FAA Use Only

Office Identification
SO FSDO 13 DSP

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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.1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make PIPER	Model PA 23-250
	Serial No. 27-7754047	Nationality and Registration Mark USA N159B
2. Owner	Name *(As shown on registration certifcate)* HENSON'S INC.	Address *(As shown on registration certificate)* P.O. BOX 1060 TRYON, N.C. 28782

3. For FAA Use Only

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~~~~~~~~~~~~~~~~~~ *(As described in item 1 above)* ~~~~~~~~~~~~~~~~~~~~~~			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type Manufacturer				

RECEIVED APR 05 1999 CAE FSDO - 3013

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
ANTHONY D. CASEY 124 TWIN CREEK DRIVE SPARTANBURG, S.C. 29316-5467	X	U.S. Certificated Mechanic	A&P 251967817
		Foreign Certificated Mechanic	
		Certificated Repair Station	
		Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date	Signature of Authorized Individual
MARCH 18, 1999	

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY							
		FAA Flt. Standards Inspector		Manufacturer	X	Inspection Authorization	Other *(Specify)*
		FAA Designee		Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
MARCH 18, 1999	A&P 251967817 IA	

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. FABRICATED AND REPLACED LEFT STABILATOR SKINS TOP AND BOTTOM FROM .025 ALCAD 2024T3 00-A-250/5 ALUMINUM..

2. REPLACED AFT SKIN PART NUMBER 15658-017 WITH FACTORY SKIN.

3. REPLACED STABILATOR TRIM TAB HINGE WITH NEW MS257P3 HINGE.

4. REPLACED TRIM TAB HORN PART NUMBER 28372-02 WITH FACTORY NEW PART.

5. REPLACED BRACKET PART NUMBER 16108-00 WITH FACTORY NEW.

6. REPAIRS PERFORMED IAW PIPER SERVICE MANUAL PART NUMBER 753 564.

7. REPAIRS PERFORMED IAW A.C. 43.13-1B DATED 9/8/98 CHAPTER 4 SECTION 1 PARAGRAPH 4-4, SECTION 3, SECTION 4 PARAGRAPHS 4-50, 4-51, 4-52, 4-53, 4-57, AND 4-58; CHAPTER 6 SECTION 1, PARAGRAPHS 6-29 AND 6-30; CHAPTER 7 SECTION 1 AND CHAPTER 10 SECTION 1 AND SECTION 2 PARAGRAPHS 10-16, 10-17, 10-19, 10-20 AND 10-21; AND A.C. 43.13-2A CHANGE 2 DATED 10/30/89 CHAPTER 1 PARAGRAPHS 1, 4, 5, 6, 7 AND 10.

8. PAINTED AND BALANCED STABILATOR.

9. AIRCRAFT TEST FLOWN FOR CONTROL SURFACE REPAIR.

**********End**********

☐ Additional Sheets Are Attached

U.S.GPO:1989-0-663-171

U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No.2120-0020

For FAA Use Only

Office Identification
SO FSDO 13 DSP

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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.1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make PIPER	Model PA 23-250
	Serial No. 27-7754070	Nationality and Registration Mark USA N159B
2. Owner	Name *(As shown on registration certifcate)* HENSON'S INC	Address *(As shown on registration certificate)* P.O. BOX 1060 TRYON, N.C. 28782.

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~~~~~~~~~~~~~~~~ *(As described in item 1 above)* ~~~~~~~~~~~~~~~~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

RECEIVED
APR 05 1999
CAE FSDO - 5013

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
ANTHONY D. CASEY 124 TWIN CREEK DRIVE SPARTANBURG, S.C. 29316-5467	X	U.S. Certificated Mechanic	A&P 251967817
		Foreign Certificated Mechanic	
		Certificated Repair Station	
		Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date	Signature of Authorized Individual
MARCH 18, 1999	Anthony D. Casey

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY							Other *(Specify)*
		FAA Flt. Standards Inspector		Manufacturer	X	Inspection Authorization	
		FAA Designee		Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
MARCH 18, 1999	A&P 251967817 IA	Anthony D. Casey

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. REMOVED INNOVATIVE SCIENTIFIC DEVELOPEMENT, INC ELECTRIC HEATER AND AUXILLIARY ALTERNATOR SYSTEM.
2. SUPPLEMENTAL TYPE CERTIFICATE NUMBER SA 3581NM IS HEREBY REMOVED.
3. INSTALLED JANITROL GASOLINE HEATER SYSTEM AFTER OVERHAUL.
4. INSTALLED HEATER HOURMETER.
5. HEATER SYSTEM INSTALLED IAW PIPER SERVICE MANUAL PART NUMBER 753 564.
6. INSTALLATION PERFORMED IAW A.C. 43.13-1B DATED 9/8/98, CHAPTER 10 SECTION 1, SECTION 2 PARAGRAPH 10-16, 10-17, 10-19, 10-20 AND 10-21; CHAPTER 11 SECTION 1 PARAGRAPH 11-1, 11-2, 11-7 AND 11-8; SECTION 4 THROUGH SECTION 7, SECTION 9 THROUGH 13, SECTION 15 AND SECTION 17; AND A.C. 43.13-2A CHANGE 2 DATED 10/30/89 CHAPTER 1.
7. REVISED EQUIPMENT LIST.
8. RECOMPUTED WEIGHT AND BALANCE.

**********End**********

☐ Additional Sheets Are Attached

BRACKETT AIRCRAFT CO., INC.
STC SA71GL
APPROVED MODEL LIST NO. 1

BRACKETT FILTER MODEL BA-3310 APPLICABILITY LIST			
AIRPLANE MODEL	T.C. NO.	DESCRIPTION OF TYPE DESIGN CHANGE	APPROVED DATE
Piper PA-31P, PA-31P-350	A8EA	Install BA-3310 Filter Assembly in accordance with installation instructions PN BA-3310-06 dated March 3, 1991 or later FAA approved revision.	March 12, 1991
BRACKETT FILTER MODEL BA-3510 APPLICABILITY LIST			
Piper PA-23-250, PA-E23-250 with Lycoming TIO540-(engine (eligible SN's 27-4426, 27-4574 and up).	1A10	Install BA-3510 Filter Assembly in accordance with installation instructions PN BA-3510-04 dated October 9, 1985 or later FAA approved revision.	July 31, 1986
BRACKETT FILTER MODEL BA-3810 APPLICABILITY LIST			
Cessna 411, 411A	A7CE	Install BA-3810 Filter Assembly in accordance with installation instructions PN BA-3810-04 dated June 26, 1991 or later FAA approved revision.	Mar. 19, 1992

FAA APPROVED
JUN 1 8 1992
LOS ANGELES
AIRCRAFT CERTIFICATION OFFICE
INITIALS: R am

United States of America
Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA71GL

This certificate issued to Brackett Aircraft Company, Inc.

certifies that the change in the type design for the following product with the limitations and conditions thereto as specified hereon meets the airworthiness requirements of Part Specified under certification basis on the applicable Data Sheets or Aircraft Specifications. Regulations.

Original Product — Type Certificate Number:
Make: As shown on Approved Model List(s)
Model:

Description of Type Design Change:
Replace existing engine air filter frame assembly with Brackett Aircraft Specialties frame assembly in accordance with Approved Model List.

NOTE: FAA- Approved Model List(s) form a part of this certificate.

Limitations and Conditions: This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

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.

Date of application: January 9, 1975 Date issued: March 3, 1983
Date of issuance: February 21, 1975 Date amended:

By direction of the Administrator
(Signature)
Supervisor, Aircraft Modification Section
(Title)

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

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-3 (10-69)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1-13-94

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1-13-94

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only
Office Identification
SO-FSDO-03

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make: PIPER	Model: PA23-250
	Serial No. 27-7754047	Nationality and Registration Mark: USA N159B
2. Owner	Name *(As shown on registration certificate)*: BRAUER MATERIAL HANDLING SYSTEMS, INC	Address *(As shown on registration certificate)*: P.O. BOX 1009, GOODLETTSVILLE, TN 37072

3. For FAA Use Only

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	Type / Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
MATTHEW S INSELMAN GALLATIN FLYING SERVICE 1475 AIRPORT BLVD GALLATIN TN 37066	X	U.S. Certificated Mechanic	A&P447708166
		Foreign Certificated Mechanic	
		Certificated Repair Station	
		Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date: 7/1/93

Signature of Authorized Individual: [signature]

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY						
	FAA Flt. Standards Inspector	Manufacturer	X	Inspection Authorization	Other *(Specify)*
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
7/1/93	447708166	[signature]

FAA Form 337 (12-88)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

7/1/93 N159B PA23-250 HOBBS: 829.3
1. Installed Bogart Aviation battery cables.
2. Installed Bogart Aviation Battery Box Modification Kit.
3. Items above in 1 & 2 installed in accordance with Bogart Aviation Battery Box Modification and Cable Installation instructions.
4. Cables installed under STC SA3531NM.
5. Battery Box Modification Kit installed under STC SA4008NM.
6. No change in Weight and Balance.

**********END**********

RECEIVED
FAA
JUL 6 1993
TN FSDO
Nashville, Tennessee

☐ Additional Sheets Are Attached

★U.S.GPO:1989-0-863-171

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

United States of America
Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA4008NM

This certificate, issued to Bogert Aviation

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

Original Product—Type Certificate Number: *
Make: *
Model: *

*See attached Master Eligibility List (MEL) Number SA4008NM for List of Approved Airplane Models and Applicable Airworthiness Regulations.

Description of Type Design Change:
Installation of removable panels on the battery box sides in accordance with Bogert Aviation Installation Instructions Number 1-1, revised July 9, 1987.

NOTE: This is compatible with STC SA3531NM.

Limitations and Conditions: Approval of this change in type design applies basically to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and Master Eligibility List (MEL) shall be maintained as part of the permanent records for the modified aircraft.

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.

Date of application: May 23, 1986

Date of issuance: August 17, 1987

Date reissued:

Date amended:

By direction of the Administrator

(Signature)

Acting Manager, Seattle
Aircraft Certification Office
(Title)

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

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-68)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

BOGERT AVIATION

FAA MASTER ELIGIBILITY LIST (MEL) SA4008NM

FOR

INSTALLATION OF BATTERY BOX REMOVABLE PANELS

Issue Date: August 17, 1987

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA SEALED DRAWING DRAWING LIST		AFM SUPPLEMENT NO. AND DATE	MEL AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE		
1	PIPER	PA-23 SERIES	1A10	Car 3 Dated 11/1/49, and Amendments 3-1 thru 3-9 dated 12/15/52, and TCDS 1A10.	1-1	7/09/87	N/A	
2	PIPER	PA-20-115/ -135, and PA-20S-115/ -135	1A4	CAR 3 and TCDS 1A4.	1-1	7/09/87	N/A	
3	PIPER	PA-22-108/- -135/-150/ -160/and PA -22S-135/ -150/-160	1A6	CAR 3 Dated 11/1/49 and Amendments 3-1 thru 3-6 dated 6/4/51.	1-1	7/09/87	N/A	
4	PIPER	PA-24 SERIES	1A15	CAR 3 Dated 11/1/49 and Amendments 3-1 thru 3-12.	1-1	7/09/87	N/A	
5	PIPER	PA-28-140/ -150/-160/ -180 and PA-28R-180/ -200 and PA-28S-235	2A13	CAR 3 Dated 5/15/56 and Amendments as given in TCDS 2A13.	1-1	7/09/87	N/A	3/23/90

Issue Date: August 17, 1987

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA SEALED DRAWING/ DRAWING LIST		AFM SUPPLEMENT NO. AND DATE	MEL AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE		
6	PIPER	PA-25 SERIES	2A8	CAR 3 Dated 5/15/56 and Amendment 3-1 dated 4/1/57.	1-1	7/09/87	N/A	
7	PIPER	PA-30 and PA-39	1E4	CAR 3 Dated 5/15/56 thru Amendment 3-6 dated 9/13/61, and Par. 3.705(a) of Amendment 3-7 dated 5/3/62, and FAR 23.1557(e)(1) of Amendment 23-7 dated 9/14/69.	1-1	7/09/87	N/A	
8	PIPER	PA-32-260/ -300/-301/ and PA-32R- 300	3S0	CAR 3 Dated 5/15/56	1-1	7/09/87	N/A	
9	PIPER	PA-18 SERIES	1A2	CAR 3 and TCDS 1A4.	1-1	2/12/90	N/A	3/23/90

FAA Approved: [signature]
Assistant Manager, Seattle
Aircraft Certification Office

Amendment Date: March 23, 1990

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Cable STG Number SA3531NM

BOGERT AVIATION
Rt. 1 Box 1676
Prosser, WA 99350

This certificate, issued to Bogert Aviation

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

Original Product—Type Certificate Number: *
Make: *
Model: *

*See attached FAA Approved Model List (AML) No. SA3531NM for list of approved airplane models and applicable airworthiness regulations.

Description of Type Design Change: Installation of copper electrical cables in accordance with Bogert Aviation Installation Instructions as listed on AML No. SA3531NM, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and FAA Approved Model List (AML) No. SA3531NM amended April 10, 1989, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

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.

Date of application: May 27, 1986
Date of issuance: July 15, 1986
Date issued:
Date amended: April 10, 1989

FEDERAL AVIATION ADMINISTRATION

By direction of the Administrator

(Signature)

Acting Assistant Manager, Seattle
Aircraft Certification Office
(Title)

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

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-68)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

FAA APPROVED MODEL LIST (AML) NO. SA3531NM

BOGERT AVIATION

FOR

INSTALLING COPPER ELECTRICAL CABLES

Issue Date: July 15, 1986

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS NUMBER	INSTALLATION INSTRUCTIONS REVISION NO. AND DATE	AFM SUPPLEMENT NUMBER/DATE	AML AMENDMENT DATE
1	Piper	PA34-200/ -200T/ & PA34-220T	A7SO	FAR 23 and Amendments listed in TCDS A7SO	2-1	6/25/85	N/A	
2	Piper	PA28-140/ -150/-160/ -180/-235/ -151/-161/ -181/-236/ -201T, and PA28R-180/ -200/-201/ -201T, and PA28RT-201/ -201T	2A13	CAR 3 and Amendments listed in TCDS 2A13	2-2	6/25/85	N/A	9/9/85
3	Piper	PA-18 Series	1A2	CAR 3	2-3	7/23/86	N/A	9/9/86
4	Piper	PA-20 Series	1A4	CAR 3	2-3	7/23/86	N/A	9/9/86

Issue Date: July 15, 1986

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS NUMBER	INSTALLATION INSTRUCTIONS REVISION NO. AND DATE	AFM SUPPLEMENT NUMBER/DATE	AML AMENDMENT DATE
5	Piper	PA-22 Series	1A6	CAR 3 dated 11/1/49 & amendments 3-1 thru 3-6.	2-3	7/23/86	N/A	9/9/86
6	Piper	PA-24, PA-24-250/ -260/-400	1A15	CAR 3 dated 11/1/49 & amendments 3-1 thru 3-12.	2-4	7/31/86	N/A	7/16/87
7	Piper	PA-32-300/ -301/-301T, PA-32R-300/ -301/-301T/ and PA-32RT-300/ -300T	A3SO	CAR 3 dated 5/15/56 thru Amendment 3-8 & TCDS A3SO	2-10	9/20/86	N/A	7/16/87
8	Piper	PA-30	A13A	CAR 3 dated 5/15/56 thru Amendment 3-6 dated 9/31/61, & Para. 3.705(a) of Amendment 3-7 dated 5/3/62. Also FAR 23.1557(e)(1) of Amendment 23-7 dated 9/14/69.	2-9	9/20/86	N/A	9/29/86

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

BOGERT AVIATION

FAA MASTER ELIGIBILITY LIST (MEL) SA4008NM

FOR

INSTALLATION OF BATTERY BOX REMOVABLE PANELS

Issue Date: August 17, 198

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA SEALED DRAWING DRAWING LIST		AFM SUPPLEMENT NO. AND DATE	MEL AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE		
1	PIPER	PA-23 SERIES	1A10	Car 3 Dated 11/1/49, and Amendments 3-1 thru 3-9 dated 12/15/52, and TCDS 1A10.	1-1	7/09/87	N/A	
2	PIPER	PA-20-115/ -135, and PA-20S-115/ -135	1A4	CAR 3 and TCDS 1A4.	1-1	7/09/87	N/A	
3	PIPER	PA-22-108/ -135/-150/ -160/and PA -22S-135/ -150/-160	1A6	CAR 3 Dated 11/1/49 and Amendments 3-1 thru 3-6 dated 6/4/51.	1-1	7/09/87	N/A	
4	PIPER	PA-24 SERIES	1A15	CAR 3 Dated 11/1/49 and Amendments 3-1 thru 3-12.	1-1	7/09/87	N/A	
5	PIPER	PA-28-140/ -150/-160/ -180 and PA-28R-180/ 200 and PA-28S-235	2A13	CAR 3 Dated 5/15/56 and Amendments as given in TCDS 2A13.	1-1	7/09/87	N/A	3/23/90

Issue Date: August 17, 1987

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA SEALED DRAWING/ DRAWING LIST		AFM SUPPLEMENT NO. AND DATE	MEL AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE		
6	PIPER	PA-25 SERIES	2A8	CAR 3 Dated 5/15/56 and Amendment 3-1 dated 4/1/57.	1-1	7/09/87	N/A	
7	PIPER	PA-30 and PA-39	A11A	CAR 3 Dated 5/15/56 thru Amendment 3-6 dated 9/13/61, and Par. 3.705(a) of Amendment 3-7 dated 5/3/62, and FAR 23.1557(e)(1) of Amendment 23-7 dated 9/14/69.	1-1	7/09/87	N/A	
8	PIPER	PA-32-260/ -300/-301/ and PA-32R- 300	A3SO	CAR 3 Dated 5/15/56	1-1	7/09/87	N/A	
9	PIPER	PA-18 SERIES	1A2	CAR 3 and TCDS 1A4.	1-1	2/12/90	N/A	3/23/90

FAA Approved: [signature]
Assistant Manager, Seattle
Aircraft Certification Office

Amendment Date: March 23, 1990

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

FAA APPROVED MODEL LIST (AML) NO. SA3531NM

DOGERT AVIATION

FOR

INSTALLING COPPER ELECTRICAL CABLES

Issue Date: July 15, 1986

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS NUMBER	INSTALLATION INSTRUCTIONS REVISION NO. AND DATE	AFM SUPPLEMENT NUMBER/DATE	AML AMENDMENT DATE
9	Piper	PA-31, PA-31-300, PA-31-325, PA-31-350	A2SO	CAR 3 dated 5/15/56 thru Amendment 3-8 dated 12/18/62 & TCDS A2SO.	2-5	9/20/86	N/A	9/29/86
10	Piper	PA-31P	A8EA	CAR 3 dated 5/15/56 thru Amendment 3-8 dated 12/18/62 & TCDS A8EA.	2-5	9/20/86	N/A	9/29/86
11	Piper	PA-31T, & PA31T1	A8EA	CAR 3 dated 5/15/56 thru Amendment 3-8 dated 12/18/62 & TCDS A8EA.	2-7	9/20/86	N/A	9/29/86
12	Piper	PA-44-180, PA-44-180T	A19SO	FAR 23 dated 2/1/65 thru Amendment 23-16 & TCDS A19SO.	2-8	9/20/86	N/A	9/29/86
13	Piper	PA-23-250, PA-123-250, PA-23 and PA-23-160	1A10	CAR 3 dated 11/1/49 thru Amendment 3-9 dated 12/15/52 & TCDS 1A10.	2-11	10/16/86	N/A	7/16/87

Issue Date: July 15, 1988

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS NUMBER	INSTALLATION INSTRUCTIONS REVISION NO. AND DATE	AFM SUPPLEMENT NUMBER/DATE	AML AMENDMENT DATE
14	Piper	PA-38-112	A18SO	FAR 23 thru Amendment 23-16 dated 2/14/75, FAR 36 thru Amendment 36-7 plus equivalent safety finding made for FAR 23.1545(a).	2-6	10/16/86	N/A	11/20/85
15	Piper	PA-25 Series	2AB	CAR 3 dated 5/15/56, and Amendment 3-1.	2-12	05/27/87	N/A	07/16/87
16	Champion (Bellanca, Aeronca)	7GCBC	A-759	CAR 4a as Amended to 4/7/50 except Paragraph 4a.532(m). FAR 23.25 and 23.959 dated 2/1/65 are included.	CH2-1	12/01/88	N/A	04/10/89
17	Luscombe (Larson Luscombe)	8E (SN 833 and up when converted IAW Luscombe Service Dept. Letter of 8/4/47.)	A-694	CAR 4a and TCDS No. A-694 issued 8/11/38.	LU2-1	10/22/88	N/A	04/10/89

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 8-16-93

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-12-93

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION: ASW-FSDO-IT

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: PIPER	MODEL: PA23-250
	SERIAL NO.: 277754047	NATIONALITY AND REGISTRATION MARK: N159B
2. OWNER	NAME (As shown on registration certificate): Brauer Material Handling Systems Inc.	ADDRESS (As shown on registration certificate): P.O.Box 1009 Goodlettsville, Ten. 37072

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE REPAIR	5. TYPE ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

RECEIVED SEP 14 1992 FAA SW-FSDO-OKC

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Skycraft Aviation, Inc. P.O.Box 836 El Reno, Oklahoma 73036	U.S. CERTIFICATED MECHANIC; FOREIGN CERTIFICATED MECHANIC; X CERTIFICATED REPAIR STATION; MANUFACTURER	IU2R911K

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
9-10-1992	Roger L. Graves Roger L. Graves

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
9-10-1992	IU2R911K	Roger L. Graves Roger L. Graves

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-12-93

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installed Bob Fields Aerocessories, inflatable door seal kit in accordance with FAA sealed Aerocessories Drawing No. 3950 or later FAA approved revision. STC# SA4237WE.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-12-93

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N-159B	PIPER PA-23-250	27-7754047	NORMAL

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
12/13/76 REPLACEMENT	Roy A Sale ROY A. SALE ASI	SO-FSDO-03

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82)

☆ U.S. GOVERNMENT PRINTING OFFICE: 1991 - 668-228

90

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-12-93

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-12-93

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION · FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N62815	PIPER PA23-250	27754047	NORMAL

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
MARCH 20,1987	Robert H. Petersen	NM-MIDO-47

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362 GPO 1967-O-270 931

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-12-93

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

A1

WP-FSDO-8

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AUG 18 '88

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
WP-FSDO-8

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: PA 23-250
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Cottontail Farm Inc.	ADDRESS (As shown on registration certificate): 8582 Hellman, Corona, CA. 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Golden West Aircraft Radio 7000 Merrill Ave. Box 53 Chino, Ca. 91710	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER	#408-78 Radio 1 & 2 Airframe and Instrument Limited.

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
August 15, 1988	Ch Insp.

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is XX APPROVED ☐ REJECTED

BY						
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION
		FAA DESIGNEE	XXX	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

OTHER (Specify)

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
August 15,1988	408-78	Ch Insp.

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installed Directional Gyro and Turn and bank in aircraft instrument panel.

System installed in accordance with equipment manufacturers drawings and wiring diagrams and procedures similar to information found in AC-43-13-2A Chapter 2, paragraph 21 and 22.

Weight and balance and equipment list amended this date. System checked for conducted and or radiated EMI. An electrical load analysis was preformed and the probable continuous load does not exceed the rated capacity of the alternator.

Nothing Follows

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1986-659-121/40260

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

MAY 6 1987

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: PA-23-250
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (*As shown on registration certificate*): Cottontail Farms	ADDRESS (*As shown on registration certificate*): 8582 Hellman Avenue, Corona, CA 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ (*As described in item 1 above*) ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				X
POWERPLANT					X
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
ProCraft Aviation, Inc. 2003 Aviation Drive Corona, CA 91720	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	408-117 Airframe Class III Limited Accessory

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/19/87	George Panagotacos, President

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [ ] APPROVED [ ] REJECTED

BY							OTHER (*Specify*)
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION	
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/19/87	408-117	George Panagotacos, President

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

B. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N62815 S/N 27-7754047 3/19/87

The above aircraft has been modified in the following way:

The exsisting orginal combustion heater was removed and replaced with an electric heater in accordance with Aircraft Installation Manual ISD 1001-4 Rev-, dated 2/5/87, (STC# SA3581NM), and Engine Modification Manual 1001-5 Rev-, dated 3/12/87 (STC# SE3580NM).

All work performed in accordance with AC 43.13 1A & 2A-chapter 2, section 2 & 3 chapter 11- section 2,3, & 7. Weight and balance revised.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

No certificate may be issued unless a completed application form has been received (14 C.F.R.-21)

CKC

Form Approved O.M.B. No. 04-R0191

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas, these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK: N62815	2. AIRCRAFT BUILDER'S NAME (Make): Piper	3. AIRCRAFT MODEL DESIGNATION: PA-23-250	4. YR MFG: 77
5. AIRCRAFT SERIAL NO.: 27-7754047	6. ENGINE BUILDER'S NAME (Make): Lycoming	7. ENGINE MODEL DESIGNATION: T-10-540-CIA	FAA CODING: 7102308
8. NUMBER OF ENGINES: 2.	9. PROPELLER BUILDER'S NAME (Make): Hartzell	10. PROPELLER MODEL DESIGNATION: HC-E2YR-2RBSF	41533
			11. AIRCRAFT IS: [redacted] IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A	1	X	STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) — X NORMAL; UTILITY; ACROBATIC; TRANSPORT; GLIDER; BALLOON
B			SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)
	2		LIMITED
	3		PROVISIONAL (Indicate class) — 1 CLASS I; 2 CLASS II
	4		RESTRICTED (Indicate operation to be conducted) — 1 AGRICULTURE AND PEST CONTROL; 2 AERIAL SURVEYING; 3 AERIAL ADVERTISING; 4 FOREST (Wildlife conservation); 5 PATROLLING; 6 WEATHER CONTROL; 7 OTHER (Specify)
	5		EXPERIMENTAL (Indicate operation(s) to be conducted) — 1 RESEARCH AND DEVELOPMENT; 2 AMATEUR BUILT; 3 EXHIBITION; 4 RACING; 5 CREW TRAINING; 6 MKT SURVEY; 7 TO SHOW COMPLIANCE WITH FAR
	6		SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side) — 1 FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE; 2 EVACUATE FROM AREA OF IMPENDING DANGER; 3 OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE OFF WEIGHT; 4 DELIVERING OR EXPORT; 5 PRODUCTION FLIGHT TESTING
C	6		MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on certificate of aircraft registration)

NAME: Cottontail Farms

ADDRESS: 8582 Hellman Ave. Corona, CA 91720

IF DEALER, CHECK HERE →

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

X AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.): 1A10 Rev 46	X AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 86-17-7
X AIRCRAFT LISTING (Give page number(s)): 7	X SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated): SA608GL SA195EA SE35BONM SA3581NM

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

X CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173	TOTAL AIRFRAME HOURS (Enter for used aircraft only): 1440	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)

D. CERTIFICATION — I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in acccordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION: 3/19/87	NAME AND TITLE (Print or type): Stephen Panagotacos -Agent	SIGNATURE: [signature]

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

2 FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)	3 CERTIFICATED MECHANIC (Give Certificate No.)	4 X CERTIFICATED REPAIR STATION (Give Certificate No.): 408-117
5 AIRCRAFT MANUFACTURER (Give name of firm): Piper		
DATE: 3/19/87	TITLE: Manager	SIGNATURE: [signature]

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

A. I find that the aircraft described in Section I or VII meets requirements for: X THE CERTIFICATE REQUESTED; AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE

B. Inspection for a special flight permit under section VII was conducted by: FAA INSPECTOR; CERTIFICATE HOLDER UNDER: FAA 65; FAR 121 OR 127; FAR 145

DATE: 3-20-87	DISTRICT OFFICE: NM-MIDO-47	DESIGNEE'S SIGNATURE AND NO.	FAA INSPECTOR'S SIGNATURE: Robert H. Detrick

FAA Form 8130—6 (4-80) SUPERSEDES PREVIOUS EDITION

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS →

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

[ ] PILOT [ ] CO-PILOT [ ] NAVIGATOR [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. **CERTIFICATION** — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [X] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [ ] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [X] E. Major Repair and Alteration, FAA 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 8130-9 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [X] I. Previous Airworthiness Certificate Issued in Accordance with FAR 21.191(a)(b) CAR _____ *(Original attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183 (d) (1) *(Copy attached)*

FAA AIRCRAFT REGISTRY
CAMERA NO. 24 DATE: 12-7-89

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N62815	PIPER PA23-250	27-7754047	NORMAL

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
MARCH 20, 1987	Robert H. Schuler	NM-MIDO-47

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

GPO 1967—O-270 931

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

Form Approved
O.M.B. No. 2120-0018

US Department of Transportation
Federal Aviation Administration

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK: N62815	2. AIRCRAFT BUILDER'S NAME (Make): Piper	3. AIRCRAFT MODEL DESIGNATION: PA-23-250	4. YR. MFR.
5. AIRCRAFT SERIAL NO.: 27-7754047	6. ENGINE BUILDER'S NAME (Make): Lycoming	7. ENGINE MODEL DESIGNATION: T10-540-CIA	FAA CODING: 7102308
8. NUMBER OF ENGINES: 2	9. PROPELLER BUILDER'S NAME (Make): Hartzell	10. PROPELLER MODEL DESIGNATION: HC-E2YR-2RBSF	11. AIRCRAFT IS (Check if applicable): IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A	1		STANDARD AIRWORTHINESS CERTIFICATE (Indicate category)		NORMAL		UTILITY		ACROBATIC		TRANSPORT		GLIDER		BALLOON
B		X	SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)												
	2		LIMITED												
	3		PROVISIONAL (Indicate class)	1		CLASS I									
				2		CLASS II									
	4		RESTRICTED (Indicate operation(s) to be conducted)	1		AGRICULTURE AND PEST CONTROL	2		AERIAL SURVEYING	3		AERIAL ADVERTISING			
				4		FOREST (Wildlife conservation)	5		PATROLLING	6		WEATHER CONTROL			
				7		CARRIAGE OF CARGO	8		OTHER (Specify)						
	5	X	EXPERIMENTAL (Indicate operation(s) to be conducted)	1	X	RESEARCH AND DEVELOPMENT	2		AMATEUR BUILT	3		EXHIBITION			
				4		RACING	5		CREW TRAINING			MKT. SURVEY			
				6	X	TO SHOW COMPLIANCE WITH FAR									
	6		SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side)	1		FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE									
				2		EVACUATE FROM AREA OF IMPENDING DANGER									
				3		OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT									
				4		DELIVERING OR EXPORT	5		PRODUCTION FLIGHT TESTING						
				6		CUSTOMER DEMONSTRATION FLIGHTS									
C	8		MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.)												

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on certificate of aircraft registration)

NAME: COTTONTAIL FARMS

IF DEALER, CHECK HERE →

ADDRESS: 8582 Hellman Ave. Corona, CA 91720

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

X	AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.): 1A10	X	AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 86-17-7
X	AIRCRAFT LISTING (Give page number(s)): 48	X	SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated): NONE

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

X	CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173 ✓	TOTAL AIRFRAME HOURS: 1419	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)

D. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
2/2/87	Steve Panagotacos- Manager	[signature]

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183(d) applies)

FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)	CERTIFICATED MECHANIC (Give Certificate No.)	CERTIFICATED REPAIR STATION (Give Certificate No.)
AIRCRAFT MANUFACTURER (Give name of firm)		

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

A. I find that the aircraft described in Section I or VII meets requirements for: X THE CERTIFICATE REQUESTED; AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE

B. Inspection for a special flight permit under Section VII was conducted by: FAA INSPECTOR; FAA DESIGNEE

CERTIFICATE HOLDER UNDER: FAR 65; FAR 121, 127 or 135; FAR 145

DATE	DISTRICT OFFICE	DESIGNEE'S SIGNATURE AND NO.	FAA INSPECTOR'S SIGNATURE
2-12-87	NM-MIDO-47		R. H. Detwiler R. H. DETWILER

FAA Form 8130-6 (6-86) SUPERSEDES PREVIOUS EDITION

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME | ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS →

DATE OF APPLICATION | NAME AND TITLE *(Print or type)* | SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER | ADDRESS

BUILDER *(Make)* | MODEL

SERIAL NUMBER | REGISTRATION MARK

B. DESCRIPTION OF FLIGHT CUSTOMER DEMONSTRATION FLIGHTS [ ] *(Check if applicable)*

FROM | TO

VIA | DEPARTURE DATE | DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

[ ] PILOT [ ] CO-PILOT [ ] NAVIGATOR [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE | NAME AND TITLE *(Print or type)* | SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [X] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [X] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [X] E. Major Repair and Alteration, FAA Form 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 8130-9 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [X] I. Previous Airworthiness Certificate Issued in Accordance with FAR 21.183(d)(1) CAR _____ *(Original Attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.191(a)(b) _____ *(Copy attached)*

☆ U.S. Government Printing Office: 1986—491-818/53357

FAA AIRCRAFT REGISTRY
CAMERA NO. 21 DATE: 12-7-89

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

SPECIAL AIRWORTHINESS CERTIFICATE

A	CATEGORY/DESIGNATION	EXPERIMENTAL	
	PURPOSE	R & D/SHOW COMPLIANCE WITH FAR 21.20-87	
B	MANU-FACTURER	NAME	N/A
		ADDRESS	N/A
C	FLIGHT	FROM	SUBJECT TO PARA (D)(2)
		TO	REVERSE SIDE
D	N— 62815		SERIAL NO. 27-7754-047
	BUILDER PIPER		MODEL PA23-250
E	DATE OF ISSUANCE FEBRUARY 12, 1987		EXPIRY MAY 12, 1987
	OPERATING LIMITATIONS DATED 2-12-1987		ARE A PART OF THIS CERTIFICATE
	SIGNATURE OF FAA REPRESENTATIVE Robert H. Detwiler ROBERT H. DETWILER		DESIGNATION OR OFFICE NO. NM-MIDO-47

Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding $1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA FORM 8130-7 (10/82)

SEE REVERSE SIDE

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

A	This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
B	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

OKe

U.S. Department of Transportation
Federal Aviation Administration

MANUFACTURING INSPECTION DISTRICT OFFICE 47
4340 DONALD DOUGLAS DRIVE
LONG BEACH, CALIFORNIA 90808

February 12, 1987

EXPERIMENTAL - RESEARCH & DEVELOPMENT - SHOW COMPLIANCE WITH FAR

MAKE: PIPER MODEL: PA23-250 SERIAL NO.: 27-7754-047 REG. NO. N62815

THESE OPERATING LIMITATIONS SHALL BE ACCESSIBLE TO THE PILOT

This aircraft must be operated in accordance with the following limitations:

1. No person may operate this aircraft for other than the purpose of Research and Development and Showing Compliance with FAR to accomplish the tests outlined in the applicant's program letter dated February 10, 1987 describing compliance with FAR 21.193(d). Additionally, this aircraft shall be operated in accordance with applicable Air Traffic and General Operating Rules of FAR 91, and all additional limitations herein prescribed under the provisions of FAR 91.42(e).

2. All flights shall be conducted within the geographical areas described as follows: This aircraft's base of operation will be Corona Airport, Corona, California. All flights must be conducted within a 60 mile radius of Corona Airport, Corona, CA.

   Flights to and from the above airport will be conducted over sparsely populated routes or over open water.

3. This aircraft shall not be flown unless it is maintained and operated in accordance with Piper PA23-140 Owners Manual and Piper PA23-140 Service Manual.

4. This aircraft shall not be operated for glider towing or parachute jumping operations.

5. Unless appropriately equipped this aircraft shall be operated Day/VFR only.

6. If aircraft, engine or propeller operating limitations are exceeded, an appropriate entry will be made in the historical record.

7. This aircraft shall contain the placards, markings, etc. required by FAR 91.31(e).

Edward Warren: First American Aloft

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

MAKE: PIPER MODEL: PA23-250 SERIAL NO.: 27-7754-047 REG. NO. N62815

8. The cognizant FAA office must be notified and their response received in writing prior to flying this aircraft after incorporating a major change as defined by FAR 21.93.

9. No operations shall be conducted over densely populated areas or in congested airways.

10. No person may be carried in this aircraft during flight unless that person is essential for the purpose of the flight.

11. This aircraft is prohibited from aerobatic flight; that is, an intentional maneuver involving an abrupt change in the aircraft's attitude, an abnormal attitude or abnormal acceleration not ncessary for normal flight unless approved by the cognizant FAA office.

Robert H. Detwiler
Robert H. Detwiler
Aviation Safety Inspector (Mfg)
NM-MIDO-47

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

FEB 10 1987

INNOVATIVE SCIENTIFIC DEVELOPMENT, INC.
2240 University Drive, Suite 150 • Newport Beach, California 92660 • (714) 972-4991

February 10, 1987

F.A.A. Manufacturing Inspection
Bob Detwiler
4340 Donald Douglas Drive
Long Beach, CA 90808

Gentlemen,

Innovative Scientific Development has completed the initial testing and F.A.A. Engineering Evaluation for installation of an electric heater in Beechcraft Duke Model Aircraft. F.A.A. Engineering has issued a Multiple Supplemental Type Certificate #SA3545NM.

We plan to install, test and certify the electric heater modification on as many twin engine aircraft as possible. At this time we have completed installation on a Piper, PA-23-250 aircraft, N62815, serial#27-7754047.

The Engineering Analysis, drawings and test data are currently in works at I.S.D., Inc. This report will be submitted to F.A.A. Engineering for their review and approval soon.

In order to obtain test data for engineering evaluation, we request an experimental certificate issued to the aircraft above. (Original application already on file, copy attached.) We will restrict flight operation of this aircraft within a 60 mile radius of the Corona Airport and a flight altitude of 24000 MSL. The flight crew will consist of a qualified test pilot rated in the aircraft above, and a test crew required for testing operations. (Note: Test crew will consist of Innovative Scientific Development employees only.) F.A.A. Engineer, Greg Edwards is aware of this current project and will perform the engineering evaluation and final flight testing.

If you have any questions please contact me at my office, (213)334-4463.

Sincerely,

George Panagotacos

George Panagotacos
Engineering

gp
sam

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: PIPER	MODEL: PA-23-250
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): COTTONTAIL FARMS HILL VANDERPOHL	ADDRESS (As shown on registration certificate): 8582 HELLMAN AVENUE CORONA, CA 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	••••••••••••••••••••••• (As described in item 1 above) •••••••••••••••••••••••				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
ProCraft Aviation Inc. 2003 Aviation Drive, Hangar 10 Corona, CA 91720	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	408-117 AIRFRAME CLASS III LIMITED ACCESSORY

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
2/10/87	George Panagotacos GEORGE PANAGOTACOS, PRESIDENT

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY							OTHER (Specify)
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION	
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
2/11/87	408-117	Tracy Plummer TRACY PLUMMER, CHEIF INSPECTOR

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

PIPER PA-23-250 N62815

THE ABOVE AIRCRAFT COMBUSTION HEATER WAS REMOVED AND AN ELECTRIC HEATER WAS INSTALLED IN ITS PLACE PER STC#SA3545NM FOLLOWING INNOVATIVE SCIENTIFIC DEVELOPMENT, INC. INSTALLATION MANUAL ISD 1001-4. WEIGHT AND BALANCE REVISED.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977—771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

KH

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
WP-FSDO 8

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: PA-23-250
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Cottontail Farms/ Bill Vanderpol	ADDRESS (As shown on registration certificate): 8582 Hellman Avenue Corona, CA 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	••••••••••••••••••••• (As described in item 1 above) •••••••••••••••••••••				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
ProCraft Aviation, Inc. 2003 Aviation Drive Corona, CA 91720	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	408-117 Airframe Class III Limited Accessory

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/19/87	George Panagotacos, President

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY							OTHER (Specify)
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION	
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/19/87	408-117	George Panagotacos, President

FAA Form 337 (7-67)

(8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installation of a Shadin Company 910502 Fuel Flow indicating system in accordance with Shadin Company Report number 4030 revised 02/02/82 and STC#SA608GL.

Weight & Balance Negligible

END

☒ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977-771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

FSDO-8 KH

MAR 23 '87

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
WPFS008

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: PA-23-250
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Cottontail Farms	ADDRESS (As shown on registration certificate): 8582 Hellman Avenue, Corona, CA 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					X
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
ProCraft Aviation Inc. 2003 Aviation Drive Corona, CA 91720	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	408-117 Airframe Class III Limited Accessory

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/19/87	Stephen Panagotacos, Manager

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA FLT. STANDARDS INSPECTOR	[ ] MANUFACTURER	[ ] INSPECTION AUTHORIZATION	OTHER (Specify)
	[ ] FAA DESIGNEE	[X] REPAIR STATION	[ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/19/87	408-117	Stephen Panagotacos, Manager

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 21 DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

N62815 S/N 27-7754047 3/19/87

The above aircraft has been modified in the following way:

The exsisting original combustion heater was removed and replaced with an electric heater in accordance with Aircraft Installation Manual ISD 1001-4 Rev-, dated 2/5/87, and Engine Modification Manual ISD 1001-5 Rev-, dated 3/12/87.

All work performed in accordance with AC 43.13 1A & 2A -chapter 2 section 2 & 3, chapter 11- section 2,3, & 7. Weight and balance revised.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977—771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

WP-FSDO-8 FEB 26 '87

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
WP-FSDO-8

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: Aztec
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Cottontail Farms	ADDRESS (As shown on registration certificate): 8582 Hellman Ave. Corona, CA. 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Golden West Aircraft Radio 7000 Merrill Ave. Box 53 Chino, CA. 91710	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER	# 407-78 Radio 1&2 Airframe and Instrument Limited

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
2-25-87	[signature] Ch Insp

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY							OTHER (Specify)
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	
		FAA DESIGNEE	XX	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
2-25-87	408-78	[signature] Ch Insp

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installed Northstar M1 Loran in bottom of right had radio rack. Installed antenna and coupler above pilots and co-pilots seats. Used existing mounts and brackets. Loran placarded VFR use only.

System installed in accordance with equipment manufactors drawings and wiring diagrams and procedures similar to information found in AC-43-13-2A chapter 2 paragraph 21 and 22 chapter 3 paragraph 36 and 38.

New weight and balance computed this date. System checked for conducted and or ratiated EMI. An electrical load analysis was preformed and the probable continous load does not exceed the rated capacity of the alternator.

Nothing Follows.

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977—771-021/344

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

WP-FSDO-8 NB B

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

SEP 2 '86

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

RECEIVED

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
WP-FSDO-8

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: Aztec
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Cottontail Farms	ADDRESS (As shown on registration certificate): 8582 Hellman Ave. Corona, CA. 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Golden West Aircraft Radio 7000 Merrill Ave Box 53 Chino, CA. 91710	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	#408-78 Radio 1&2 Airframe and Instrument Limited

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
8-29-86	Ch insp.

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	XX	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
8-29-86	408-78	Ch insp.

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installed WX-10A storm scope in aircraft. Mounted processor in front radio rack. Mounted display in space below existing radios in instrument panel center radio rack. Mounted antenna on bottom of aircraft fuseloge behined baggage compartment. Used supplied doubler.

System installed in accordance with equipment manufactors drawins and wiring diagrams and proceedures simlor to information found in AC-43-13-2A Chapter 2 paragraph 21, 22, 23, and 24 chapter 3 paragraph 36 and 43.

New weight anf balance computed and equipment list amended this date. System checked for conducted and or ratiated EMI. An electrical load analysis was preformed and the probable continous load does not exceed the rated capacity of the alt.

Nothing Follows

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977—771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

WP-FSDO-8

MAJOR REPAIR AND ALTERATION

(Airframe, Powerplant, Propeller, or Appliance)

JUL 14 '86

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
WP-FSDO-08

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

RECEIVED

1. AIRCRAFT	MAKE: Piper	MODEL: Aztec
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Cottontail Farms, Inc.	ADDRESS (As shown on registration certificate): 8582 Hellman, Corona, CA. 91720

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Golden West Aircraft Radio 7000 Merrill Ave. Box 53 Chino, CA. 91710	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER	# 408-78 Radio 1 & 2 Airframe and Instrument Limited.

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
7-10-86	Ch insp.

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
7-10-86	408-78	ch insp.

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Removed dual Narco com 11B system, CP 125 audio panel, NAV 111, ADF 140 system, DME 190 system, AT 50A, King KR 21 MKr Beacon system, Narco UGR 2A Glide slope reciever, OC 110 Nav converter, CLC 60 RNAV computer, CLC off set control head, and Narco SA 11 RNAV HSI Adapter.

Installed in its place King KR 87 ADF, KI 229 RMI, KN 72 Vor Converter, KN 75 Glide Slope, KA 44B ADF antenna, KX 165 Nav Comm, KN64 DME, KT 76 Transponder, KI 213 Indicator, KMA 20 Audio Panel/ MKR, KX 175B Nav Comm, KA 39 Voltage converter, KA 33 Cooling fan, Davtron 811 B Clock, #2 A/H Gyro, and Inverter SCR. Equipment installed in accordance with equipment manufactures installation manual and wiring diagrams and proceedures similar to information found in AC43-13-2A chapter 2 paragraph 21, 22, 23, 24, figures 2.1, 2.2, 2.5, chapter 3 paragraph 36, 43, figure 3.21.

New weight and balance computed and equipment list amended this date. System checked for conducted and or ratiated EMI. An electrical load analysis was preformed and the probable continous load does not exceed the rated capacity of the Alt.

NOTHING follows

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977–771-021/344

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N62815	Piper PA-23-250(6PCLM)	27-7754047	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

None

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
Dec. 13, 1976	William Halloran	DOA No. EA-1

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

GPO : 1967—O-270 931

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 12-7-89

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

Form Approved
Budget Bureau No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS—Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	FAA CODING
N62815	Piper	PA-23-250(6PCIM)	1976	7162308
5. AIRCRAFT SERIAL NO.	**6. ENGINE BUILDER'S NAME (make)**	**7. ENGINE MODEL DESIGNATION**		
27-7754047	Lycoming	TIO-540-C1A		41533
8. NUMBER OF ENGINES	**9. PROPELLER BUILDER'S NAME (make)**	**10. PROPELLER MODEL DESIGNATION**		**11. AIRCRAFT IS**
Two	Hartzell	HC-E2YR-2RBSF/F8465B-7R	XXXXXXXXXXXX	IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A 1 X STANDARD AIRWORTHINESS CERT. (Indicate category) X NORMAL UTILITY ACROBATIC TRANSPORT GLIDER BALLOON

B SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

2		LIMITED								
5		PROVISIONAL (Indicate class)	1		CLASS I					
			2		CLASS II					
3		RESTRICTED (Indicate operation(s) to be conducted)	1		AGRICULTURE & PEST CONTROL	2		AERIAL SURVEYING	3	AERIAL ADVERTISING
			4		FOREST (Wild life conservation)	5		PATROLLING	6	WEATHER CONTROL
			0		OTHER (Specify)					
4		EXPERIMENTAL (Indicate operation(s) to be conducted)	1		RESEARCH AND DEVELOPMENT	2		AMATEUR BUILT	3	EXHIBITION
			4		RACING	5		CREW TRAINING	6	MKT. SURVEY
			0		TO SHOW COMPLIANCE WITH FAR					
8		SPECIAL FLIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side)	1		FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE					
			2		EVACUATE FROM AREA OF IMPENDING DANGER					
			3		OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT					
			4		DELIVERING OR EXPORT	5		PRODUCTION FLIGHT TESTING		

C 6 MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard or Limited as applicable above)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) IF DEALER, CHECK HERE → XX

NAME: PIPER AIRCRAFT CORPORATION
ADDRESS: Lock Haven, Penna. 17745

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

X AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.): 1A10 Rev. 43

X AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 76-08

AIRCRAFT LISTING (Give page No(s).): N/A

SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated): N/A

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

X CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173

TOTAL AIRFRAME HOURS—XXXXXXXXXXXXXXX: 0

3 EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed: N/A

D. CERTIFICATION—I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
11-30-76	Virginia Hungiville Supv-Order & Del. Dept.	Virginia Hungiville

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

2 FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)

3 CERTIFICATED MECHANIC (Give Certificate No.)

6 CERTIFICATED REPAIR STATION (Give Certificate No.)

5 AIRCRAFT MANUFACTURER (Give Name of Firm)

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

I have inspected the aircraft described in item I or VII and find it meets the requirements for:

X A. STANDARD AIRWORTHINESS CERTIFICATE B. SPECIAL AIRWORTHINESS CERTIFICATE

4 C. AMENDMENT OR MODIFICATION OF ITS CURRENT AIRWORTHINESS CERTIFICATE

DATE	DISTRICT OFFICE		DESIGNEE'S SIGNATURE AND NO.		FAA INSPECTOR'S SIGNATURE
12-13-76	1-0-44	4	William Halloran William Halloran DOA No. EA-1	1	

FAA Form 8130-6 (3-69) SUPERSEDES FAA FORM 305, AND FAA FORM 8100-3.

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS:

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

- [ ] PILOT
- [ ] CO-PILOT
- [ ] NAVIGATOR
- [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION—I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

X	A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable		G. Statement of Conformity, FAA Form 317 *(Attach when required)*
	B. Current Operating Limitations Attached		H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
	C. Data, Drawings, Photographs, etc. *(Attach when required)*		I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ *(Original attached)*
X	D. Current Weight and Balance Information Available in Aircraft		
	E. Major Repair and Alteration, FAA 337 *(Attach when required)*	X	J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183 (a) per 21.273 *(Copy attached)*
X	F. This Inspection Recorded in Aircraft Records		

U.S. GOVERNMENT PRINTING OFFICE : 1969 OF—347-330

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N62815	Piper PA-23-250(6PCLM)	27-7754047	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate thereto, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

None

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
Dec. 13, 1976	William Halloran	DOA No. EA-1

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362 GPO : 1967—O-270-931

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
NW-GADO-3

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: PA23
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Melridge Aviation Company	ADDRESS (As shown on registration certificate): PO Box 1508 Vancouver, Wash. 98661

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ (As described in item 1 above) ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Hillsboro Aircraft Services 3565 N.E. Cornell Rd. Hillsboro, Ore. 97123	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	ARS3989 Airframe Class I & III Radio Class I & II

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
2/10/77	Roger C. Steyaert Roger C. Steyaert, Inspector

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [XX] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	XX	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
2/10/77	ARS3989	Roger C. Steyaert Roger C. Steyaert, Inspector

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Removed the following equipment:

Piper P/N 99002-3 attitude gyro at station 67.3
Piper P/N 99003-3 directional gyro at station 67.7

Installed the following equipment:

King KFC200 autopilot system consisting of:
KA285 annunciator at station 71
KI525 pictorial navigation indicator at station 67.9
KC290 mode controller at station 70
KA51 slaving accessory at station 70
KMT112 flux transmitter at station 214.1
KG102A remote gyro at station 33.7
KC295 computer at station 34.4
KM275 servo mount (roll) at station 93.75
KM275 servo mount (pitch) at station 201.6
KM276 servo mount (trim) at station 183.1
KS270 pitch servo at station 201.6
KS271 roll servo at station 91.75
KS272 trim servo at station 183.1
KI255 flight command indicator at station 69.5
Flux transmitter bracket at station 214.1
Trim mounting bracket at station 183.1
Pitch mounting bracket at station 201.6
Roll mounting bracket at station 93.75
Mode controller bracket at station 71.0
Autopilot wiring harness at station 74.0

Dual Narco COM111B com transceivers at station 70.97
Narco CP125 audio panel at station 68.12
Narco NAV-111 nav receiver at station 67.12
Narco NAV-114 nav receiver at station 66.0
Narco ADF-140 system at station 103.52
Narco DME-190 system at station 61.61
Narco AT50A transponder system at station 61.3
Narco AR500 blind encoder at station 44.87
King KR21 marker beacon system at station 119.67
Narco UGR-2A glideslope receiver at station 34.9
Narco OC-110 nav converter at station 34.9
Comant CI-1105 nav antenna coupler at station 61.0
Dorne & Margolin DMF-4-17A nav antenna at station 290.0
Static wick installation at station 171
BoOm mike installation at station 70
Telex 100T mike at station 81
Avionics dimmer at station 29.7
Avionics master installation at station 21.5
Avionics wiring harness at station 61.0

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☒ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

The KFC200 system was installed using King instructions per STC SA1167CE. All other equipment was installed using manufacturer supplied instructions. Standard AN hardware used throughout. AC43.13-2, chapters 2 & 3 apply to this installation. Encoder was installed and tested per AC43-6 table 2 and transponder was checker per FAR91.177.

Equipment list revised, weight and balance amended and log book entry made.

END

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION
NW-GAD0-3

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE: Piper	MODEL: PA23-250
	SERIAL NO.: 27-7754047	NATIONALITY AND REGISTRATION MARK: N62815
2. OWNER	NAME (As shown on registration certificate): Clarkes Sheet Metal Inc.	ADDRESS (As shown on registration certificate): P.O. Box 2428, Eugene, Oregon 97402

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ (As described in item 1 above) ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Hillsboro Aircraft Services 3565 N.E. Cornell Road Hillsboro, Oregon 97123	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER	ARS 3989 Airframe Class I & III Radio Class I & II

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
5-18-78	Roger C. Steyaert, Inspector

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is XX APPROVED ☐ REJECTED

BY							OTHER (Specify)
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	
		FAA DESIGNEE	XX	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5-18-78	ARS 3989	Roger C. Steyaert, Inspector

FAA Form 337 (7-67) ☆ U.S. Government Printing Office 1977—772-646/141 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 1-31-86

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Removed Narco OC110 Omni Converter at station 34.9.
Install Narco CLC60 R/Nav Computer at station 34.9, Narco CLC offset control head at station 119.5, and Narco SA11 R/Nav HSI adapter at station 30.9
Units were interfaced with existing Narco Nav 144, #1 Nav receiver, King KI525A pictorial navigation indicator, Narco DME190 DME, Comment CI1105 antenna coupler and Dorne & Margolin DMN-4-17A Nav antenna.
Units were wired using Narco supplied installation manual. Complete system ramp tested in accordance with advisory circular 90-45 and flight tested 5-18-78 and meets accuracy tolerances as specified in AC90-45.
System was placarded "Area navigation use limited to VFR only"

AC 43:13-2, chapter 2 applies to this installation. Weight and balance revised, equipment list amended, and log book entry made.

END

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☐ ADDITIONAL SHEETS ARE ATTACHED