

ENGINE LOG BOOK





US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark N9376G	Serial No. 182-60866	
	Make CESSNA	Model 182P	Series
2. Owner	Name (As shown on registration certificate) JANER, MIKE DBA HAPPY HANDS		Address (As shown on registration certificate) Address
			City ALBUQUERQUE
			State NM
			Zip 87105 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☐	AIRFRAME		(As described in Item 1 above)	
☐	☒	POWERPLANT	Continental Motors	IO-550-F	284691-R
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Steven Charles Boggess		☒ U. S. Certified Mechanic	Manufacturer
Address		☐ Foreign Certified Mechanic	C. Certificate No.
City China Spring	State Texas	☐ Certified Repair Station	A&P
Zip 76633	Country United States	☐ Certified Maintenance Organization	

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual Steven Charles Boggess 2/04/17
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7. Approval for Return to Service

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

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No. [REDACTED]	Signature/Date of Authorized Individual [REDACTED]
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13 JUN 2017

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.)

N9326G

Nationality and Registration Mark

2/04/17

Date

This engine was modified in accordance with Texas Skyways FAA STC SE09131SC dated 01/23/1996. The modified engine designation is O-550-F/TS.

Modified oil pan by adding new oil drain in accordance with Texas Skyways STC SE09319SC dated 02/13/1997.

Installation mechanic must complete Block 1 and 2 on reverse side and mail copy to the Federal Aviation Administration, Aircraft Registration Branch AFS-750, Box 25504, Oklahoma City, Oklahoma 73125

Negligible weight and balance change.

Pertinent details of the above installations are on file under project no. 2 550FTS.

---End---

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark N9326G	Serial No. 182-60866		
	Make Cessna	Model 182P	Series	
2. Owner	Name (As shown on registration certificate) Vavrek, Mike dba Happy Hoods		Address (As shown on registration certificate) Address [REDACTED]	
			City Albuquerque	State NM
			Zip 87105	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	Cessna	(As described in Item 1 above)	182-60866
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. [REDACTED] A&P
Name Robert E. Pavelka		☒ U. S. Certified Mechanic	Manufacturer	
Address [REDACTED]		☐ Foreign Certified Mechanic		
City Alamogordo	State NM	☐ Certified Repair Station		
Zip 88310	Country USA	☐ Certified Maintenance Organization		

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual [REDACTED] 8-2-2017
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7. Approval for Return to Service

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

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	Inspection Authorization	

Certificate or Designation No. A&P/IA	Signature/Date of Authorized Individual [REDACTED] 8-2-2017
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NOTICE

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

8. Description of Work Accomplished

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

N9326G

8-2-2017

Nationality and Registration Mark

Date

Removed factory original engine mount, p/n 0751600-1. Installed Texas Skyways, Inc. engine mount, p/n 71-20-01, s/n 56265 IAW STC# SA10082SC.

Removed Texas Skyways O-520-U/TS, s/n 467318. Installed Texas Skyways, Inc. O-550-F, s/n 284691-R, IAW STC# SA09133SC.

No change to weight and balance.

-----END-----

☐ Additional Sheets Are Attached



"Serving to Serve Again"

AUTHORIZATION FOR USE OF STC DOCUMENT

This Supplemental Type Certificate is the property Texas Skyways, Inc.

Texas Skyways, Inc. gives permission for **Mike Vavrek DBA** to use

- STC SE09131SC- Removal of fuel injection system and induction system and installation of carburetor in accordance with Texas Skyways, Inc. specification
- STC SA09133SC – Installation of a modified TCM IO-550-F engine and Hartzell or McCauley propeller system in accordance with Texas Skyways, Inc.
- STC SE09319SC – Modify Oil pan adding a new oil sump drain
- STC SA10082SC – Installation of Texas Skyways engine mount in accordance with Texas Skyways, Inc.

In Cessna **182P** S/N: **18260866**, Registration mark **N9326G** only.

Any use of this STC beyond the aircraft specified above is a violation of proprietary laws and FAA regulations and is subject to legal action.

Please keep the STC, installation instructions, Flight Manual Supplement, and this authorization letter in a secure location. There will be a charge for issuing replacement documents.

[Redacted Signature]

✓ Jack Johnson
Texas Skyways, Inc.
June 8, 2017

Not Valid Without Embossed Corporate Seal

[Redacted Address]



Boerne, TX 78006



Tel: [Redacted Phone Number]

	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record
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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
2/4/17	EST. 105.3	00.0	

TCM IO-550-F S/N 284691-R.

The above referenced engine was modified and overhauled in accordance with Texas Skyways STC SE09131SC dated 05/01/1995. The modified engine designation is O-550-F/TS, s/n 828. Assembled Engine per TCM IO-550 Overhaul Manual X-30607. Installed OH crankshaft p/n 646623, s/n D089512N. Installed OH camshaft p/n 655384, s/n RS1118-12. Installed new lifters p/n SA628488 intake, p/n SA646277 exhaust. Installed New Superior cylinder assemblies and torqued per IO-550 Overhaul Manual and Parts Manual. Starter adapter and oil pump OH IAW X30607 and were installed in their respective positions. See tags for details. Ultrasonic inspection per MSB96-10A due at next overhaul or when crankshaft removed. AD 99-19-01 n/a per crankshaft date of manufacture I/A/W TCM CSB99-3C. AD 2000-23-21 n/a to crankshaft serial number/date of manufacture I/A/W TCM Mandatory Service Bulletin MSB00-5C. MSB09-8 TCM hydraulic lifters n/a per lifter p/n installed. AD 93-08-17 not applicable per oil pick-up tube p/n. CW AD 79-05-09 per installation of new current design oil pressure plunger assy. AD 93-10-02 n/a per manufacture date. Category 1 thru 3 TCM Service Bulletin and AD Compliance Listing. See attachment. Engine preserved per Service Bulletin SIL99-1 temp. storage up to ninety (90) days. Engine approved for return to service. Pertinent details on file under Project No. 2 550FTS.

END

ED'S FLYING SERVICE

Alamogordo NM 88310
C182P-60866, N9326G
Tach: 0.0 TSMOH: 0.0
8-2-2017

- Installed engine into N9326G IAW STC# SA09133SC.
- Serviced with A/S 100M.
- Ground run, flt tests, satis.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAIR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
TACH. TIME 010 TOTAL TIME: 010
SMA

8-3-17	1.9		OIL / 48108 Filter chge.
8-5-17	3.8		OIL / 48108 Filter chge
8-10-17	6.5		OIL / 48108 Filter chge. - MIN 100
8-15-17	11.8		OIL / 48108 Filter chge MIN 100M

TACH

	TOTAL TIME	TIME SINCE LAST OVERHAUL	Engine Service and Maintenance Record
DATE	Hours		
8-24-17		14.9	OIL/48108 Filt 100 MIN - Aeroshell
8-30-17		20.5	OIL/48108 Filt 100 MIN
9-5-17		28.5	OIL/48108 Filt 100W + Aeroshell
9-16-17		34.5	OIL/48108 100W + Aeroshell
10-2-17		38.6	OIL/48108 100W + Aeroshell
10-9-17		56.8	OIL/48108 100W + Aeroshell
11-9-17		71.2	OIL/48108 100W + Aeroshell
11-30-17		82.3	OIL/48108 80W + Aeroshell
12-26-17		91.5	OIL/48108 80W + Aeroshell
4-12-18		100.2	OIL/48108 100W + Aeroshell
5-16-18		109.5	OIL/48108 100W + Aeroshell
6-3-18		121.8	OIL/48108 100W + Aeroshell
6-30-18		133.9	
7-18-18		147.5	
7-31-18		158.9	
8-5-18		167.9	
9-18-18		176.4	
10-8-18		190.2	
10-4-18		182.38	COMP 1-76, 2-75, 3-77, 4-76, 5-75, 6-76
			MAG PRIMING OIL (182.4 HRS)
			PLUGS CLEAN/REGRIND (182.4 HRS)
			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH 1001R INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
			TACH. TIME 182.38 TOTAL TIME: 182.38
			6/2018
			AOB
10-8-18		190.2	OIL/48108 100W + Aeroshell