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# ENGINE LOG BOOK






**Continental Motors, Inc.**

*LA*

## ENGINE WARRANTY REGISTRATION

This is your **ENGINE WARRANTY/RUST** and **CORROSION AWARENESS PROGRAM REGISTRATION** form. It is essential that it be properly completed and returned to CMI Warranty Department immediately. This will expedite processing of the claim should your engine require repair or replacement as provided in the appropriate warranty policy. The engine owner can register on-line for free product and service information at <http://continentalmotors.aero> or contact a Factory Service Representative at 1-888-826-5465 or 1-251-436-8299.

PLEASE COMPLETE AND RETAIN FOR OWNER'S RECORD

	
Owner's Name <u>Fino Plane Company</u>	
Address <u>34730 OAKLAND</u>	
City <u>FARMINGTON</u>	
State/Province <u>MI</u>	
Country <u>USA</u>	Postal Code <u>48335</u>

Engine Model <u>TS10360EB3B</u>	Serial # <u>1009404</u>
Date Installed <u>2/29/2014</u>	Tach Time <u>6305</u>
Aircraft Model <u>PA34-200T</u>	Serial # <u>34-7870004</u>
Year Manufactured <u>1978</u>	Aircraft Total Hours <u>57119</u>
What engine is being replaced? _____	
Serial # <u>265838R</u>	Model <u>TS10360EB3B</u>
Hours <u>15979</u>	

## Service Information

Consult the Continental Motors web site at [continentalmotors.aero](http://continentalmotors.aero) for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.

If internet access is not available, contact our Customer Service Department at  
1-888-826-5465 Toll free in the United States or  
1-251-438-8299 International

## Engine Returns

Return engines for core credit with this log book to  
**Continental Motors, Inc.**  
2039 Broad Street  
Mobile, AL 36615 USA

Return engines for overhaul with this log book to  
**Mattituck Services**  
410 Airway Drive  
Mattituck, NY 11952 USA

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



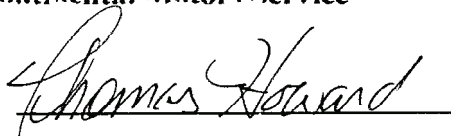
## Continental Motors, Inc.

Production Certificate 508

Printed: 11/21/2013

Test Date: 11/21/2013

This engine model TSI0360EB3B , serial number 1009404 was rebuilt by Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.

  
\_\_\_\_\_  
Thomas Howard

AVANTGARDE AVIATION, INC.

LH ENGINE LOG ENTRY N47815

01/24/2014, 100 HOUR/ANNUAL INSPECTION, TACH 630.5, TOTAL TIME REMAN [0]

INSTALLED FACTORY REMAN ENGINE USING NEW LORD MOUNTS, REPLACED ALL OIL FUEL AND INSTRUMENT HOSES FWD OF FIREWALL

OIL USED PHILLIPS 20W50M,

REPLACED AIR FILTER, LUBED EXHAUST SLIP JOINTS, TORQUED CHECKED ENGINE HARDWARE, SERVICED PROP DOME, CLOSED SEVERAL GAPS IN ENGINE BAFFLES, INSTALLED OIL COOLER WINTER PLATE,

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION WORK ORDER #21246 JOHN F JOHNS

1519936A&I

*John F Johns*


AVANTGARDE AVIATION, INC.

LH ENGINE LOG ENTRY N47815

3-2-2014 TACH 648.1, TS REMAN 17.6, REPLACED P/N 642199 VALVE ASSY WITH NEW, LEAK CHECKED AND RUN UP NORMAL.

REUBEN HERNANDEZ A&P 3256114

*Reuben Hernandez*

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AVANTGARDE AVIATION, INC.

LH ENGINE LOG ENTRY N47815

3/18/2014, OIL AND FILTER CHANGE, TACH 658.9, OIL USED PHILLIPS 20W50M, CUT FILTER OPEN NO METAL FOUND,

COMPRESSION TEST #170/80, #2 74, #3 72, #4 71, #5 72, #6 73.

JOSEPH STEWART A&P 3690287

*Joseph Stewart*

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AVANTGARDE AVIATION, INC.

LH ENGINE LOG ENTRY N47815

8/28/2014, OIL AND FILTER CHANGE, TACH 705.6, OIL USED AERO SHELL 15W50, CUT FILTER OPEN NO METAL FOUND, INSTALLED NEW SHADIN FUEL FLOW

TRANSDUCER P/N 68051-1,

JOHN F JOHNS A&P 1519936

*John F Johns*




Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward	→				

Make: Continental Motors  
Model: TSIO-360-EB(3)  
Serial No.: 1009404



Date: 10/29/2014  
Hobbs Time: 3569.9  
Tach Time: 747.6

**FACTORY SERVICE CENTER**

Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition with respect to the work performed.

**Work Performed Left:** Installed new 654274 exhaust bypass SN IWD47-0008. Adjusted fuel injection system using data from CMI SID97-3F and the Piper PA-34-200T Maintenance Manual. Completed ground operational and flight checks. ---END---

Authorized Signature for Repair Station 9CER853B: Kenneth May  
Details of the work performed is on file under Work Order No. 6009

Make: Continental Motors  
Model: TSIO-360-EB(3)  
Serial No.: 1009404



Date: 10/29/2014  
Tach Time: 751.9

**FACTORY SERVICE CENTER**

Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition with respect to the work performed.

**Work Performed Left:** Drained oil and installed new AA48108-2 filter. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Completed ground operation leak check. ---END---

Authorized Signature for Repair Station 9CER853B: Kenneth May  
Details of the work performed is on file under Work Order No. 6009

AVANTGARDE AVIATION, INC. LH ENGINE LOG ENTRY N47815 11/07/2014, TACH 760.2, SWAPPED SHADIN FUEL FLOW TRANSDUCER P/N 68051-1 AFTER BENCH CHECK AND K FACTOR CONFIRMED AT 29.8 BY SHADIN SEE YELLOW TAG, SWAPPED PRIMER VALVE TO RH ENGINE, FLUSHED FUEL SYSTEM AND INSTALLED GAMI KIT GT360-12D S/N 24131 IAW STC# SE094001SC SEE 337 THIS DATE. RICHARD LAVOIE A&P 3699192 <u>Richard Lavoie</u>					
AVANTGARDE AVIATION, INC. LH ENGINE LOG ENTRY N47815 12/08/2014, TACH 781.6, REPLACED VACUUM PUMP P/N 441CC, CLEANED OUT HOSES AND REPLACED FILTER P/N 2J4-7, RUN UP NORMAL. JOSEPH STEWART A&P 3690287 <u>Joseph Stewart</u>					


Total Time

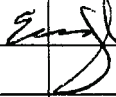
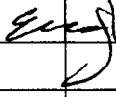
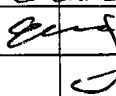
Time Since Last  
Overhaul**Engine Service and Maintenance Record**

AVANTGARDE AVIATION, INC.

LH ENGINE LOG ENTRY N47815

Ce 12-16-2014, TACH 788.4, REPLACED P/N 642199 S/N 2752 DIVERTER VALVE ASSY, REPLACED GAMI FUEL NOZZLES ON CYLINDERS 1, 2, 3 & 5, INSTALLED OIL COOLER WINTER PLATE.

RICHARD LAVOIE A&P 3699192 

Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record
2-12-15	TACH TIME: 793.6	ENGINE TIME SERM: 163.1 PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER PA34-200T SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 74/80 2) 74/80 3) 75/80 4) 72/80 5) 76/80 6) 78/80. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED CH48108-1 OIL FILTER AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 15W50. (INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. CLEANED, GAPPED AND ROTATED SPARK PLUGS. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. INSPECTED ENGINE MOUNT, FINEWHEEL AND STRUCTURE. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBO CHARGER, WAKE PIPE AND WASTE GATE ASSEMBLY. INSPECTED MAGNETOS, VALVUM PUMP, OIL COOLER, STARTER, ALTERNATOR, FUEL INJECTOR SERVO, PROPELLER GOVERNOR, AIR BOX, ALTERNATE AIR DOOR, TACH DRIVE, SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED ALL ELECTRICAL, WIRING AND FLUID LINES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. WASHED ENGINE. CHECKED AIO'S THROUGH BI-WEEKLY 2015-04. NO NEW OR RELAXING AIO'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY
		 A&P 385847988 IA.
6-11-15	TACH TIME: 823.4	REMOVED WINTERIZATION PLATE. LUBRICATED PROPELLER CONTROL CABLE.  A&P 385847988 IA.
7-27-15	TACH TIME: 873.7	CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: CH48108-1 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 15W50 OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK.  A&P 385847988 IA.

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FFA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number	
4. Organization Name and Address: <b>Harrison Engine Service, Inc. 301 Detroit St., La Porte, IN 46350</b>				5. Work Order/Contract/Invoice Number: <b>10963</b>		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
<b>Cyl</b>	<b>Cont</b>	<b>658189</b>	<b>1</b>	<b>—</b>	<b>Overhaul</b>	
12. Remarks: <b>Inspect Hone Overhaul</b>						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-Approved design data specified in Block 12				14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: <i>Darial Turner</i>		14c. Approved Certificate No.: <b>LR2R988K</b>	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): <b>Darial Turner</b>		14e. Date (dd/mmm/yyyy): <b>2-22-16</b>	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					
Carried forward →					

9/8/2015 N47815 Left engine Tach 2925.6, Oil and filter change, serviced engine with 8 quarts of Aeroshell 15W50 and a AA48108-2 filter. Changed #3 and #6 fuel injectors with new from GAMI, IAW GAMI installation instructions. Run-up leak check okay. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. -END-  
 AP 2725134 Matt Lahti *Matt Lahti*

12/7/2015 N47815 Left engine Tach 985.1, Oil and filter change, serviced engine with 8 quarts of Aeroshell 15W50 and a CH48108-1 filter. Installed winterization plate on oil cooler. Run-up leak check okay. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. -END-  
 AP 2725134 Matt Lahti *Matt Lahti*

3-1-16	TACH TIME: 1007.3 ENGINE TIME SERM: 376.8 PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PWR PA 3A-2007 SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 78/80 2) 68/80 3) 73/80 4) 64/80 5) 72/80 6) 74/80. DID NOT CHANGE ENGINE OIL OR OIL FILTER. REMOVED #1 CYLINDER AND RE-INSTALLED SAME USING NEW GASKETS AND SEALS AFTER OVERHAUL BY HARRISON ENGINE SERVICE. CLEANED, GAPPED AND ROTATED SPARK PLUGS. CLEANED AND INSPECTED FUEL INJECTOR NOZZLES. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WYE PIPE AND WASTE GATE ASSEMBLY. CLEANED AND TREATED AIR FILTER. INSPECTED MAGNETOS, VACUUM PUMP, OIL COOLER, STARTER, ALTERNATOR, FUEL INJECTOR SERVO, FUEL PUMP, PROPELLER GOVERNOR, AIR BOX, ALTERNATE AIR DOOR, TACH DRIVE, SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED ALL ELECTRICAL, WIRING AND FLUID LINES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. WASHED ENGINE. CHECKED A/D'S THROUGH 61-WEEKLY 2016-05. NO NON OR RECURRING A/D'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				
	<i>Signature</i> ADP 385847988 IA.				

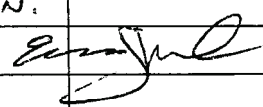
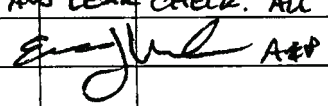
Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					
	6/21/2016		tach: 4090.5 LT N47815		Changed oil and filter service with 8 qts Aeroshell 15W50 and CH48108 filter. Gregory E. Smith A&P 369544480 IA <i>Gregory E. Smith</i>
	8/17/2016		tach: 4141.9 LT N47815		Changed oil and filter service with 8 qts Aeroshell 15W50 and CH48108 filter. Gregory E. Smith A&P 369544480 IA <i>Gregory E. Smith</i>
10-22-16	TACH TIME: 1189.0		INSTALLED FAA-AMA OIL DRAIN VALVE F62. INSTALLED NEW INSITE TIT PROBE P/N: 2871, S/N: 10183. REMOVED ENGINE DRIVEN FUEL PUMP AND INSTALLED SAME AFTER OVERHAUL BY D&G SUPPLY. SEE WORK ORDER # 33096. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED CH 48108-1 OIL FILTER AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 ENGINE OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. WASHED ENGINE. INSTALLED NEW PROPELLER BELT BRUSH BLOCK ASSEMBLY AND RICHED IN ACCORDANCE WITH PIPER PA 34-200T SERVICE MANUAL. INSTALLED WINTERIZATION PLATE. CLEANED, GAPPED AND ROTATED SPARK PLUGS. CLEANED AND INSPECTED FUEL INJECTOR NOZZLES. LUBRICATED PMP CONTROL. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. <i>Gregory E. Smith</i> A&P 369544480 IA		
10-27-16	TACH TIME: 1191.3		INSTALLED NEW INSIGHT EGT PROBE IN #3 CYLINDER. P/N: 2870, S/N: 16169A <i>Gregory E. Smith</i> A&P 369544480 IA		
	12/29/2016		Left tach: 1234.4		Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a CH48108-1. Inspected filter and found clean. Gregory E. Smith 369544480 IA <i>Gregory E. Smith</i>

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FFA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number	
4. Organization Name and Address: <b>Harrison Engine Service, Inc.</b> 301 Detroit St., La Porte, IN 46350				5. Work Order/Contract/Invoice Number 12831		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
oil	Cont	65818R	1	—	Overhaul	
12. Remarks: Inspect Hence Overhaul Complete						
13a. Certifies the items identified above were manufactured in conformity to:			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12			
<input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-Approved design data specified in Block 12			Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature:		14c. Approved Certificate No.:	
					LR2R988K	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):	
			MARK HARRISON		3-3-17	

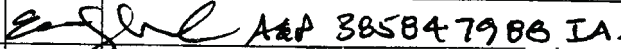
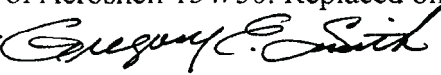




1. Issuing Civil Aviation Authority/Country FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FFA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number	
4. Organization Name and Address: <b>Harrison Engine Service, Inc. 301 Detroit St., La Porte, IN 46350</b>				5. Work Order/Contract/Invoice Number: <b>12830</b>		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
Cyl	Cent	658189	1	-	Overhaul	
12. Remarks: F Inspect Here Overhaul Complete						
13a. Certifies the items identified above were manufactured in conformity to:				14a. <input checked="" type="checkbox"/> CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12		
<input type="checkbox"/> Approved design data and are in condition for safe operation. <input checked="" type="checkbox"/> Non-Approved design data specified in Block 12				Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No:		14b. Authorized Signature:		14c. Approved Certificate No:
						LR2R988K
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
MARK HARRISON				MARK HARRISON		3-3-17

8 Form 8

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					
3-19-17	TACH TIME: 1271.5		ENGINE TSPRM: 641.0		PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH APEX PA34-200T SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 68/80 2) 78/80 3) 71/80 4) 78/80 5) 72/80 6) 72/80. REMOVED # 2 & # 4 CYLINDERS DUE TO LOW COMPRESSION AND REINSTALLED SAME AFTER OVERHAUL BY HARRISON ENGINE SERVICE. INSTALLED NEWLY OVERHAULED CYLINDERS WITH NEW CASKETS AND SEALS. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: CH48108-1 AND SERVICED ENGINE WITH 8 QUANTS PHILLIPS 20W50 STRAIGHT MINERAL OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. CLEANED, GAPPED AND ROTATED SPARK PLUGS. CLEANED AND INSPECTED FUEL INJECTOR NOZZLES. CLEANED AND RETIGHT AIR FILTER ELEMENT. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WHEAVE AND WASTEGATE ASSEMBLY. INSPECTED MAGNETS, VACUUM AMP, ALTERNATOR, AIR BOX, ALTERNATE AIR DOOR, OIL COOLER, FUEL INJECTOR SOLVO, FUEL PUMP, PROPELLER GOVERNOR, TACH DRIVE, SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED ALL ELECTRICAL, WIRING AND FLUID LINES. INSPECTED AND LOCATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2017-06. NO NEW OR RECALLING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
					 AEP 385847988 IA.
5-27-17	TACH TIME: 1341.7				CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA48108-2 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 15W50 OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL.
					 AEP 385847988 IA.



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					
8-1-17	TACH TIME: 1379.6		CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: CH48108-1 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 100W OIL. INSPECTED OLD OIL FILTER- NO DISCREPANCIES NOTED. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL.		
	 A&P 385847988 IA.				
09/16/2017 Left tach: 1445.3 Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.  Gregory E. Smith 369544480 IA					
12/11/2017 Left tach: 1501.5 Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.  Gregory E. Smith 369544480 IA					
2/14/2018 Left tach: 1544.8 Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a AA-48108-2. Inspected filter and found clean. Replaced in-op EGT probe on cylinder # 1 with new p/n 2870, s/n 161688 from Insight Instruments Corp.  Gregory E. Smith 369544480 IA					
3-17-18	TACH TIME: 1573.0		ENGINE TSPRM: 942.5 PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER PA3A-200T SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 75/80 2) 74/80 3) 75/80 4) 76/80 5) 76/80 6) 76/80. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA48108-2 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 100W OIL. INSPECTED OLD OIL FILTER- NO DISCREPANCIES NOTED. CLEANED, GRINDED AND ROTATED SPARK PLUGS. CLEANED AND INSPECTED FUEL INJECTOR NOZZLES. CLEANED AND REVENTED AIR FILTER. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSTALLED NEW SPARK PLUG LEBA (UPPER) ON # 4 CYLINDER. INSTALLED NEW FUEL DRAW HOSE. INSPECTED TURBO CHARGER, WYE PIPE AND WASTE GATE ASSEMBLY. INSPECTED MAGNETOS, VALVUM PUMP, ALTERNATOR, AIR BOX, ALTERNATE AIR DOOR, OIL COOLER, FUEL INJECTOR SUMP, FUEL PUMP, AMPHENOL COUPLER, TACH DRIVE, SPARK PLUG LEAKS AND CYLINDER		

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					
	ASSEMBLIES. INSPECTED ALL ELECTRICAL WIRING AND FLUID LINES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH 81-WEEKLY 2018-06. NO NEW OR RETURNING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Gregory E. Smith</i> A&P 385847908 IA.				
5-18-18	TACH TIME: 1621.4 CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA4B108-2 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 100W OIL. INSPECTED OIL FILTER. NO DISCREPANCIES NOTED. PERFORMED ENGINE RUN-UP AND LEAK CHECK. <i>Gregory E. Smith</i> A&P 385847908 IA.				
6/14/2018 LT Tach 1666.8 Drained and serviced engine oil with 8qts of Aeroshell W100 and replaced oil filter with a AA48108-2. Gregory E. Smith A&P 369544480 <i>Gregory E. Smith</i>					
7-8-18	LEFT TACH: 1720.9 HOURS. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA4B108-2 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 100W AD OIL. INSPECTED OIL FILTER - NO DISCREPANCIES NOTED. PERFORMED ENGINE RUN-UP AND LEAK CHECK. <i>Gregory E. Smith</i> A&P 385847908 IA.				
7-8-18	LEFT TACH: 1720.9 HOURS. INSTALLED NEW INSIGHT EGT PROBE P/N: 2020, S/N: 161678 IN #1 CYLINDER. <i>Gregory E. Smith</i> A&P 385847908 IA.				

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward	→				
7/31/18	LEFT TACH		1743.7		REMOVED IN-OP TIT PROBE AND INSTALLED NEW PROBE FROM INSIGHT P/N 2571 S/N 10160.
					Gregory E. Smith A#P 369544480 IA

10/12/2018 LH tach: 1822.8

Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a AA48108-2. Inspected filter and found clean.

Gregory E. Smith 369544480 IA

Gregory E. Smith

2-18-19	TACH TIME: 1864.3	ENGINE TSPAN: 1234.3	PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH APOC PASA-2007 SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 76/80 2) 72/80 3) 77/80 4) 71/80 5) 72/80 6) 75/80. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA48108-2 AND SERVICED ENGINE WITH 8 QUANTS PHILIPS 20W50 ENGINE OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. INSPECTED AND CLEANED AND TREATED CHALLENGER AIR FILTER. INSPECTED AND CLEANED FUEL INJECTION NOZZLES. CISA-03, GRABED AND ROTATED SPARK PLUGS. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBO CHARGER, LIFE PIPE AND WASTE GATE ASSEMBLY. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, OIL COOLER, FUEL INJECTION SERVO, FUEL PUMP, PROPELLOR GOVERNOR, TACH DRIVE, SPARK PLUG LEADS, AND CYLINDER ASSEMBLIES. INSPECTED ALL ENGINE Baffle AND FLEXIBLE Baffle MATERIAL. INSPECTED ENAVE COILS. INSPECTED ALL ELECTRICAL, WIRING AND FLUID CHANGING LINES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2019-04. NO NEW OR RECURRING AD'S OVE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHINESS CONDITION.		
					Gregory E. Smith A#P 385847988 IA.

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					
5/6/2019	TACH	1907.2			DRAINED & SERVICED ENGINE OIL WITH 8 QTS AEROSHELL W100. REPLACED OIL FILTER CH48108-1 INSPECTED OLD FILTER - CLEAN <i>Gregory E. Smith A&amp;P 369544480 IA</i>
6/6/2019	TACH	1953.7			DRAINED & SERVICED ENGINE OIL WITH 8 QTS AEROSHELL W100. REPLACED OIL FILTER CH48108-1. INSPECTED OLD FILTER - CLEAN. <i>Gregory E. Smith A&amp;P 369544480 IA</i>
8-7-19	TACH TIME:	2018.6	CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: CH48108-1 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL 100 W OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. PERFORMED ENGINE RUN-UP AND LEAK CHECK. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES.		
					<i>Gregory E. Smith A&amp;P 305847988 IA.</i>
12/10/2019	LT Tach	2051.2			N47815 Drained and serviced oil 8qts 15W50 and replaced oil filter CH48108-1. Replaced pressure pump with new Rapco 441CC-7, s/n C5036. Gregory E. Smith A&P369544480 IA <i>Gregory E. Smith</i>
2-5-20	TACH TIME:	2080.9	ENGINE TSM:	1449.9	PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH SENeca II SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 66/80 2) 50/80 3) 64/80 4) 60/80 5) 57/80 6) 68/80. DID NOT CHANGE ENGINE OIL OR OIL FILTER AT THIS TIME. INSPECTED, CLEANED AND RETIGHTENED CHALLENGER AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, CAPPED AND ROTATED SPARK PLUGS. INSPECTED MULTICHECK, WIRING AND FLUID CREAMING



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Carried forward →

LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. CHECKED MAGNETO-TO ENGINE TIMING. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBO CHARGER, WYLE PIPE AND WASTEGATE ASSEMBLY. INSPECTED ALL ENGINE BARELE AND FLEXIBLE BARELE MATERIAL. INSPECTED ENGINE COILS AND COIL PLUGS. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOX, OIL COOLER, FUEL INJECTION PUMP/SOLVO, PROPPELLER GOVERNOR, TACH DRIVE, SPARK PLUG HEADS AND COLUMNS ASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH SI-WEBERL 2020-03. NO NEW OR RETURNING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

*Greg E. Smith* AAF 385847988 IA.

4-8-20 TACH TIME: 2095.9 CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA48108-2 AND SERVICED ENGINE WITH 8 QUANTS AEROSHELL W100 ENGINE OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. TOOK OIL SAMPLE FOR ANALYSIS. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL.

*Greg E. Smith* AAF 385847988 IA.

8/07/2020 Left tach: 2153.1  
 Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.  
*Gregory E. Smith* 369544480 IA  
*Gregory E. Smith*

10/22/2020 Left tach: 2202.5  
 Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.  
*Gregory E. Smith* 369544480 IA  
*Gregory E. Smith*




1. Approving Civil Aviation Authority/Country: FAA/United States

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: 82643

4. Organization Name and Address:

FLEET SUPPORT SERVICES, INC. W4711 HWY 59 MONROE WI 53566 (NE5D064N)

5. Work Order/Contract/Invoice Number: 1991

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	FUEL PUMP	28644	1	10C 1260	OVERHAULED

12. Remarks: ALTERNATE PART NUMBER: MB

OVERHAULED IAW PROCESS SPECIFICATION FS28-0 04 REV 27 DATED 11-1-10 ATTACHED W/O# 82643

THIS CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 1 & 12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK, THE COMPONENT IS CONSIDERED READY TO RETURN TO SERVICE UNDER EASA PART 145 ACCEPTANCE CERTIFICATE #EASA 145.5230.

14a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12  
Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signatory:	14c. Approval/Certificate No.:
Mike Hale	NE5D064N
14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):
Mike Hale	04 May 2021

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Carried forward \_\_\_\_\_

2-22-21 TACH TIME: 2226.5 ENGINE TSFRM: 1596.0. PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER SENECA II SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 75/80 2) 50/80 3) 70/80 4) 66/80 5) 74/80 6) 73/80. DID NOT CHANGE ENGINE OIL OR OIL FILTER AT THIS TIME AND DATE. INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTR. INPSECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED AND ROTATED SPRAK PLUGS. INSPECTED ALL ELECTRICAL WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBO CHARGER, WYE PIPE AND WATSE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. INSTALLED NEW INTAKE PIPE GASKET P/N: SA629925 ON #1 CYLINDER. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOX ASSEMBLY, OIL COOLER/FUEL INJECTOR PUMP/SERVO, PROPELLER GOVERNOR, TACH DRIVE, SPARK PLUG LEADS AND CYLINDERASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2021-05. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

*Gregory E. Smith* A&P385847988IA


4-7-21 TACH TIME: 2245.6 CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA48108-2 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 100W ENGINE OIL. INSPECTED OLD OIL FILTER - NO DISCREPANCIES NOTED. CLEANED #1 CYLINDER SPARK PLUGS AND REINSTALLED. INSTALLED 4000 SERIES CAMLOC FITTINGS IN INBOARD COWL. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL.


*Gregory E. Smith* A&P 385847988 IA.


6/15/2021 Tach: 2291.1 LT engine N47815  
 Drained and serviced with 8 qts of Aeroshell W100 oil and replaced oil filter with a Tempest AA48108-2.  
*Gregory E. Smith* A&P369544480 IA

9-9-21 TACH TIME: 2386.3 ENGINE TSFRM: 1755.8. PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER SENECA II SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1)69/80 2)51/80 3)71/80 4)73/80 5)76/80 6)67/80. CHANGED ENGINE OIL AND OIL FILTER, INSTALLED NEW OIL FILTER P/N: CH48108-1 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 100W ENGINE OIL. INSPECTED OLD OIL FILTER-NO DISCREPANCIES NOTED. INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED AND ROTATED SPARK PLUGS. INSPECTED ALL ELECTRICAL, WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WYE PIPE, AND WATSE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOS ASSEMBLY, OIL COOLER, FUEL INJECTOR PUMP/SERVO, PROPEELER GOVERNOR, TACH DRIVE SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED OIL CONTROL RING FLUSH ON #4 CYLINDER. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2021-19. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFT THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

*Gregory E. Smith* A&P 385847988 IA

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record	
			Board maintenance status	and ives,
10/13/2021	Left tach: 2411.5			
Drained and serviced engine oil with 8 qts of Aeroshell 15w50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.				
Gregory E. Smith 369544480 IA 				

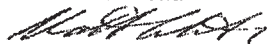
2/7/2022 N47815 Left engine Tach 2461.9, Oil and filter change, serviced engine with 8 quarts of Aeroshell W80 and a CH48108-1 filter. Run-up leak check okay. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. -END-  
 AP 2725134 Matt Lahti  



2/8/2022 LT tach: 2461.9  
 Drained and serviced engine oil with 8 qts of Aeroshell 15w50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.  
 Gregory E. Smith 369544480 IA  


3-12-22 TACH TIME: 2471.6 ENGINE TSFRM: 1841.1 PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER SENECA II SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1)68/80 2)70/80 3)60/80 4)52/80 5)70/80 6)62/80. DID NOT CHANGE ENGINE OIL OR OIL FILTER AT THIS TIME AND DATE. INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED AND ROTATED SPARK PLUGS. INSPECTED ALL ELECTRICAL, WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WYE PIPE, AND WATSE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOX ASSEMBLY, OIL COOLER, FUEL INJECTOR PUMP/SERVO, PROPELLER GOVERNOR, TACH DRIVE SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED VALVE LAPPING PROCEDURE ON #2 CYLINDER EXHAUST VALVE. INSTALLED NEW INNER EXHAUST VALVE SPRING P/N: 625957, OUTER EXHAUST VALVE SPRING P/N: 625958 AND NEW ROTOCOIL ASSEMBLY P/N: 631654 ON #2 CYLINDER EXHAUST VALVE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2022 -04. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.



A&P 385847988 IA

4/16/2022 N47815 Left engine Tach 2514.6 Oil and filter change, serviced engine with 8 quarts of Aeroshell W100 and a CH48108-1 filter. Run-up leak check okay. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. -END-  
 AP 2725134 Matt Lahti  


9/09/2022 Left tach: 2569.6  
 Drained and serviced engine oil with 8 qts of Aeroshell W80. Replaced oil filter with a AA48110-2. Inspected filter and found clean. Replaced #3 & #4 EGT probes.  
 Gregory E. Smith 369544480 IA  





# Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

3-9-23 TACH TIME: 2593.7 ENGINE TSFRM: 1963.2 PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER SENCA II SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1)71/80, 2)68/80, 3)68/80, 4)60/80, 5)68/80, 6)57/80. DID NOT CHANGE ENGINE OIL OR OIL FILTER AT THIS TIME (SEE LOG BOOK ENTRY DATED 9-9-22). INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED, AND ROTATED SPARK PLUGS. INSPECTED ALL ELECTRICAL, WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBO CHARGER, WYE PIPE, AND WASTE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLES AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOX ASSEMBLY, OIL COOLER, FUEL INJECTOR PUMP, FUEL SERVO, PROPELLER GOVERNOR, TACH DRIVE, SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2023-05. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION: *Gregory E. Smith A&P 369544480 IA*

**5/4/2023 LT Tach: 2616.7**

Drained and serviced engine oil with 8qts of Aeroshell 15w50 and replaced oil filter with a CH48108. Ran engine with no issues.

*Gregory E. Smith 369544480 IA*  
*Gregory E. Smith*

07/18/2023 N47815 Piper PA-34-200T s/n 34-7870004 LE Tach:2646.7  
 Left Engine: Coninental TSIO360-EB3B s/n 1009404

Replaced Starter Adaptor p/n 646220A45 with Overhauled Unit p/n 64622A45 Serial/Batch No. CAM15-118 from Canadian Aero Manufacturing (see TC Form One 15-118 for details) in accordance with Teledyne Industries, Inc. Overhaul Manual Form X30596A, Revised Oct. 1997, Section 72-60-06.

Brent Tygielski  
 A&P 3569797

*Brent Tygielski*

**7/08/2023 LT tach: 2629.8 N47815**

R&R fuel flow transducer from JPI p/n 700900. Ran engine to verify signal is working for owner to calibrate fuel flow meter(29.46).

I certify that this aircraft airworthy and return to service.

*Gregory E. Smith A&P 369544480/IA*  
*Gregory E. Smith*

