

#2



**ENGINE MAINTENANCE RECORD**

AIRCRAFT SERIAL AND REGISTRATION 177RG-0763 N1589H  
ENGINE MODEL AND SERIAL T0-360-A1B6D S/N RL-20553-51A

D5518-13

# MAINTENANCE RECORD

TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
HOURS	10ths		
3188 1491	8 8	<p>TACH OIL &amp; FILTER CHANGED, AEROSHELL 130-50 (CLEANED AND CAPPED)                      SMOH SPARK PLUGS, TIMING CHECK OK, COMPRESSION CHECK #1 70/80,                      #2 74/80, #3 73/80, #4 74/80. AD 96-09-10 PARAGRAPH "C" APPLIES.                      C/WAD 97-01-03. FOUND NO PISTON PIN REPLACEMENT. LAPPED MAIN                      MIXTURE CONTROL VALVES. AD 96-23-03 N/A BY NO PUMP REPLACEMENT                      IC INSPECTION PER AD 96-12-07 DUE 3583. INSPECTOR LINES                      AND CLAMPS INSPECTOR PER AD 93-03-05. RUN UP CHECK OK</p>	
		<p>I CERTIFY THAT THIS .....                      HAS BEEN INSPECTED IN ACCORDANCE WITH A                      ..... INSPECTION AND                      WAS DETERMINED TO BE AIRWORTHY.                      SIGNED: .....                      A/P .....                      SUPERIOR AERO SERVICES, INC.</p>	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 <u>98</u> <u>7/6</u>			INSTALLED MATTITUCK OVERHAULED FUEL INJECTOR PART NUMBER 2524054-10 SERIAL NUMBER 82714. RUN UP CHECK OK. <i>[Signature]</i> AEP1677329IA	

### WORK ORDER

Work Order No. 53568 Customer SUPERIOR AERO SERVICE

Part No. 2524054-10 Serial No. 82714

Nomenclature BENDIX RSA-5ADI SERVO

Description of work performed OVERHAULED & TESTED  
in SER. B. RS-47; 48; 50; 61; 65; 71 & 84

All work performed in accordance with applicable manufacturer's maintenance and parts manuals.

Date 26 JUNE 98 Signed *[Signature]*

Mattituck Airbase, Inc.

RS QX2R125L

#1589H  
 8679/L  
 7/6/98

MIS 7/6/98

Date 26 JUNE 98  
Mattituck Airbase, Inc.

Signed [Signature]  
RS QX2R125L

### MAINTENANCE RECORD

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

DESCRIPTION OF THE WORK PERFORMED

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19 98		
5/10	3237 1540	15

OIL AND FILTER CHANGED. AEROSHELL 150-50 CLEANED AND  
 CARBON SPARK PLUGS. TIMING CHECK OK. COMPRESSION CHECK  
 #1 78/80 #2 78/80 #3 74/80 #4 77/80. INSPECTOR NOZZLE LINES  
 AND CLAMPS INSPECTOR PERIOD 93-02-05. RUN UP CHECK OK.

I CERTIFY THAT THIS [Signature]  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A  
 [Signature] INSPECTION AND  
 WAS DETERMINED TO BE AIRWORTHY.

SIGNED:

A/P

[Signature]  
 16773291A  
 SUPERIOR AERO SERVICES, INC.

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2000 1/4	3241 1544	3	OIL AND FILTER CHANGED AEROSHELL 150-10. CLEANED AND GAPPED 35MM4 SPARK PLUGS. TIMING CHECK OK. COMPRESSION CHECK #1 77/80 #2 81/80 #3 75/80 #4 74/80. INSPECT LINES AND CLAMPS CHECK OR PER AD 93-02-05. AD 98-171 H/AB1 NO REPLACEMENT RUN UP CHECK OK.	
			I CERTIFY THAT THIS ..... HAS BEEN INSPECTED IN ACCORDANCE WITH A ..... INSPECTION AND WAS DETERMINED TO BE AIRWORTHY.	
			SIGNED: ..... A/P ..... 16773291A .....	
			SUPERIOR AERO SERVICES, INC.	



### MAINTENANCE RECORD

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

DESCRIPTION OF THE WORK PERFORMED

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
2001 <del>19</del>		
5/8	3248	5
SMOIT	1551	5

C/W AD 96-09-10 PARAGRAPH "C" BY INSTALLING NEW STEEL IMPELLER KIT SL18109A-S WITH A NEW LW10342 OIL PUMP BODY. AD 2000-18-53N/A BY NO GASKET REPLACEMENT AFTER 4 1/199. OIL AND FILTER CHANGED. AEROSHELL 150-30. COMPRESSION CHECK #1 74/80 #2 77/80 #3 75/80 #4 74/80. REPLACE INSPECTOR NOZZLE LINE CLAMPS ON C/S 1 & 2 PER AD 93-02-05. RUN UP CHECK OK.

I CERTIFY THAT THIS .....  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A  
 ..... INSPECTION AND  
 WAS DETERMINED TO BE AIRWORTHY.

SIGNED: .....

A/P ..... 16773291A

SUPERIOR AERO SERVICES, INC.

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2007 19				
7/02 SMOK	3257	7	OIL AND FILTER CHANGED. AEROSH ETC 150-50. CLEANED AND GAPPED SPARK PLUGS. TIMING CHECK OK. COMPRESSION CHECK #1 74/80, #2 75/80, #3 73/80, #4 72/80. REPLACED AIR FILTER EQUIPMENT. FEEL INSPECTOR NOZZLE & LINES AND CLAMPS INSPECTOR PER AD 93-02-05. RVAL UP CHECK OK.	
	1560	7		

I CERTIFY THAT THIS Engine  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A  
Annual INSPECTION AND  
 WAS DETERMINED TO BE AIRWORTHY.  
 SIGNED: [Signature]  
 A/P 1677329JA  
 SUPERIOR AERO SERVICES, INC.

**RELEASE**  
**AIRWORTHINE**  
 244, East Ha  
 3-1494 • Fax: (

9. Elig  
 MANUFACTURER'S MANUAL  
**AND IN-FLUXED TESTED ADS AND**  
 User/Installer F  
 ily constitute authority to  
 worthiness authority diffe  
 business authority of the cou  
 aft maintenance records  
 applicable technical data.

**Annual** AUTHORIZED SIGNATURE, CERTIFICATE TYPE

1. Approving National Aviation Authority/Country:

FAA/United States

4. Organization Name and Address:

**New England Propeller Service, Inc.**  
**RC2R130L**

**AUTHORIZED RELEASE**  
FAA Form 8130-3, AIRWORTHINE

6. Item:

7. Description:

1 McCauley  
GOVERNOR

8. Part Number:

C290D95/T12

13. Remarks

THIS COMPONENT WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH MANUFACTURER'S MANUAL

**GOVERNOR DISASSEMBLED, CLEANED AND INSPECTED. MAJOR OVERHAULED, MAGNAFLUXED PARTS AS REQUIRED. REASSEMBLED AND TESTED TO MANUFACTURER'S SPECIFICATIONS. ADS AND SB'S COMPLIED WITH. SB223. END.**

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation
- Non-approved design data specified in Block 13.

15. Authorized Signature:

17. Name (Typed or Printed):

User/Installer

16. Approval/Authorization No.:  
18. Date (m/d/y):

17. Name (Typed or Printed):  
It is important to understand that the existence of this document alone does not automatically constitute authority of the user/installer to perform work in accordance with the national regulations of an airworthiness authority of the country of the user/installer. In all cases, aircraft maintenance records must be maintained in accordance with the national regulations of an airworthiness authority of the country of the user/installer. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority of the country of the user/installer, the user/installer accepts parts/components/assemblies from the airworthiness authority of the country of the user/installer. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority of the country of the user/installer, the user/installer does not constitute installation certification. In all cases, aircraft maintenance records must be maintained in accordance with the national regulations of an airworthiness authority of the country of the user/installer. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must be maintained in accordance with the national regulations of an airworthiness authority of the country of the user/installer. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority of the country of the user/installer, the user/installer accepts parts/components/assemblies from the airworthiness authority of the country of the user/installer. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority of the country of the user/installer, the user/installer does not constitute installation certification. In all cases, aircraft maintenance records must be maintained in accordance with the national regulations of an airworthiness authority of the country of the user/installer. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must be maintained in accordance with the national regulations of an airworthiness authority of the country of the user/installer.

FAA Form 8130-3 (6-01)

**FAA Certificate No. UWDR792L**  
**PROSPACE WELDING MINNEAPOLIS, INC.**  
South  
104 12th Ave. MN 55337

... serial number AW1 66931).

Continue

MAINTENANCE RECORD

3-1-2004 | 3260.3 :TACH | :HOBBS | Engine Annual

performed the following annual inspection utilizing Cessna annual inspection guide and Lycoming's repair and maintenance manuals:

- 1) Engine mount noted to contain numerous chafing and abrasion marks.
  - a) Removed engine from the aircraft. Disconnected all cables, wires and clamps from the engine mount.
  - b) The engine mount was sent out for repair / overhaul to Aerospace Welding of Minneapolis, Minnesota under work order number 68175. Re-installed the mount part number 2051000-1, serial number AWI 668175. Re-installed nose landing gear on the mount per Cessna maintenance manual. Rigged the gear system in accordance to specification.
- 2) Re-installed engine in the aircraft utilizing new rubber engine mounts (4 pieces) part number J9613-59 and new associated hardware 4 pieces respectively of AN7-44A bolts, MS20365-720C nuts.
- 3) Re-installed exhaust on the engine using new gaskets and associated hardware. (Note: one riser was sent out for repair due to a crack. Repair was accomplished by Aerospace Welding under work order number 66931. Part number 2054002-14, serial number AWI 66931).

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ORIZED SIGNATURE,  
ERTIFICATE TYPE  
& NUMBER

INSPECTOR  
 CLEAN & INSP  
 FLOW DIVIDER  
 TAIL PIPE

Material Type  
 347 SS FILLER ROD  
 321 SS  
 4130 CHROMALLY

Approved Date  
 43.13-1B  
 MANUFACT

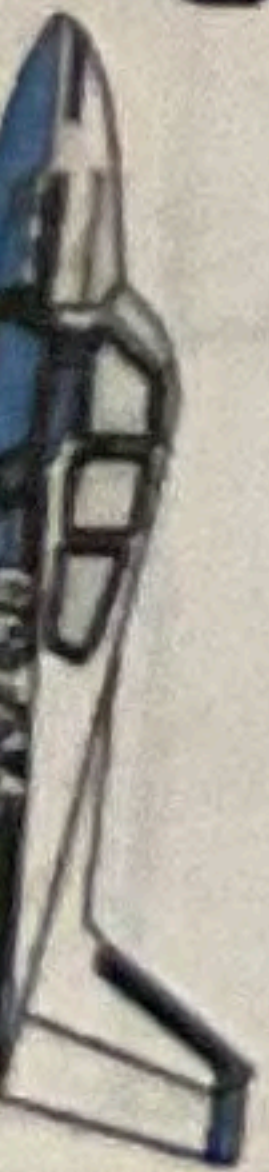
**MAINTENANCE RECORD**

ZED SIGNATURE,  
IFICATE TYPE  
NUMBER

DATE  
19\_\_

TO  
IN  
HOU

**Twin City Airmotive Inc.**  
 Fitchburg Municipal Airport (FIT) Fitchburg, MA. 01420  
 978-342-8700 tel. 978-342-4333 fax.



- 4) Removed and replaced all engine fluid caring hoses with new hoses fabricated by Eastern Aero Supply. All hoses are supported and clamped using all new ADEL clamps and ty-raps.
- 5) Re-installed propeller governor utilizing new gaskets and hardware. (Note: governor was sent out for overhaul by New England Propeller Service under work order number CR-29292. part number C290D3J/T12.
- 6) Magneto sent out for Overhaul. Magneto was determined not to be repairable. Installed an overhauled unit part number D4LN-3000 BL-682555-11. Timed the magneto in accordance to Lycoming's specification.
- 7) Re-installed Propeller on the engine utilizing a new O-ring. Torque all bolts to specification and safety wired. Re-installed Spinner.
- 8) Removed all fuel injector nozzles. Cleaned inspected and re-installed to the proper torque settings.
- 9) Performed the 500 hour alternator inspection. No discrepancies noted at this time.
- 10) Removed and replaced engine air filter with a new filter part number BA-5705.
- 11) Installed spiral wrap on the cylinder #2 oil return line.

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**MAINTENANCE RECORD**

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IFICATE TYPE

to be chaffing on cylinder #1 oil return line. Removed safety

**MAINTENANCE RECORD**

DATE	TO IN
19__	HOL

**Twin City Airmotive Inc.**  
 Fitchburg Municipal Airport (FIT) Fitchburg, MA. 01420  
 978-342-8700 tel. 978-342-4333 fax.



- 12) Safety wire noted to be chaffing on cylinder #1 oil return line. Removed safety wire on the cylinder baffle and installed correct baffle springs as required.
- 13) Dip Stick gasket noted to be leaking. Removed and replaced dip stick tube gasket and installed a new gasket part number 72059.
- 14) Mixture rod end on the servo end frozen. Lubricated mixture control rod end. Operational check good at this time.
- 15) Re-torque all rocker box cover screws, exhaust hardware and induction hardware.
- 16) Cleaned starter solenoid terminal ends and installed rubber terminal boots.
- 17) Engine controls noted to be bottoming out via the instrument panel. Re-rigged all controls as required.
- 18) Removed all spark plugs, cleaned gapped and tested. Replaced four plugs with new RHM-38 plugs. Re-installed all plugs and set to the proper torque.
- 19) Repainted engine dipstick tube yellow as required.
- 20) Drained engine oil. Removed engine oil filter and replaced with a new Champion filter part number CH48103 torque to the proper specification. Installed 8 quarts of Aeroshell 15w50 oil.

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 NUMBER

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE
19__	HOUR		CERTIFICATE TYPE NUMBER
		<p>21) Complied with AD2002-26-01 by inspection of the fuel injector lines. No discrepancies found at this time. Next inspection due at 3360.00 tach or next annual</p> <p>22) Performed an operational check and no leaks or discrepancies noted at this time.</p> <p style="text-align: center;">-----END-----</p> <p>This aircraft was inspected and/or repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and / or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 2375 and a copy has been provided to the owner / operator.</p> <p>Eric Burdulis A&amp;P 24628128</p> <p>BY: <u><i>Eric Burdulis</i></u></p> <p>I certify that this Engine has been inspected in accordance with an Annual Inspection and <b>WAS DETERMINED TO BE IN AIRWORTHY CONDITION</b></p> <p>Mark Maljanian A&amp;P 33545223 I.A. by: <u><i>M. Maljanian</i></u></p>	

**Twin City Airmotive Inc.**  
 Fitchburg Municipal Airport (FIT) Fitchburg, MA. 01420  
 978-342-8700 tel. 978-342-4333 fax.



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### MAINTENANCE RECORD

March 2, 2004

3260.3 :TACH

:HOBBS

ENGINE

Performed the following repairs utilizing Cessna's repair and maintenance manuals:

- 1) Engine rubber baffle seal noted to be in poor condition. Removed and replaced all rubber baffle seals with new.
- 2) Left hand "P" lead noted to be separated and grounding out. Cut back both "P" leads and separated the wire from the shield. Installed two ring terminals on the shielding wire. Soldered two new washers on the "P" lead ends. Performed an operational test and no discrepancies noted at this time.

-----END-----

This aircraft was inspected and/or repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and / or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 2614 and a copy has been provided to the owner / operator.

Mark Maljanian A&P 33545223

BY:

*Mark Maljanian*

Eric Burdulis A&P 24628128

BY:

*Eric Burdulis*

SIGNATURE TYPE NUMBER

TOTAL IN SE

HOURS

**Twin City Airmotive Inc.**  
 Fitchburg Municipal Airport (FIT) Fitchburg, MA. 01420  
 978-342-8700 tel. 978-342-4333 fax.



## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED						AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__	HOURS	10ths							
<b>Twin City Airmotive (FIT) Fitchburg, Ma 01420 978-342-8700 tel. Twincity98@MSN.com</b>									
11/23/2004		:Hobbs		3263.4		:Tach		<b>Engine Repairs</b>	
Compression Test X/80			#1	#2	#3	#4	#5	#6	
Performed the following repairs N1589H utilizing Cessna's maintenance and repair manuals: 1) Per the owner's request: Ran the aircraft up to operational temperature. Drained the engine's oil and serviced with 8 quarts of Aeroshell 2F preservative oil. Ran the engine IAW Aeroshell's supplied instructions. No leaks or discrepancies noted. -----END----- This aircraft was inspected and/or repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and / or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 2986 and a copy has been provided to the owner / operator.  Mark Maljanian A&P 33545223                      BY: <u><i>Mark Maljanian</i></u>									

Tach

Address

## MAINTENANCE RECORD

AUTHORIZED SIGNATURE  
CERTIFICATE TYPE  
& NUMBER

**Twin City Airmotive (FIT) Fitchburg, Ma 01420 978-342-8700 tel. Twincity98@MSN.com**

DATE  
19\_\_

TOTAL TIME  
IN SERVICE

HOURS

~~5/26/2005~~ 6/1/05mm:Hobbs 3263<sup>2</sup> :Tach N 1589H Engine Annual

Compression Test X/80 78 #1 76 #2 76 #3 76 #4 #5 #6

Airframe Serial # 177RG0763

*Performed the following annual utilizing the manufactures annual inspection guide:*

- 1) Drained the engine oil and removed the oil filter. Cut the filter open to examine for debris. No debris noted at this time. Installed a new Champion Ch48103-1 filter. Serviced the engine with 8 quarts of Aero Shell 15w50 oil. Washed the engine and all associated components. Performed an operational check with no leaks or discrepancies.
- 2) Removed all fuel injectors, inspected, cleaned and re-installed to the manufactures specs.
- 3) Removed all spark plugs, cleaned, inspected, set gaps, tested and re-installed with new m674 gaskets.
- 4) Removed and replaced the engine's air filter with a new filter part.
- 5) Complied with AD2002-26-01 fuel injector lines by inspection. No discrepancies noted at this time. Next inspection is due at 100 hours accumulated or next annual.
- 6) Cleaned all ignition leads with solvent.
- 7) Re-torque all induction, exhaust and rocker box hardware as outlined by the manufacture.

-----END-----

This aircraft was inspected and/or repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and / or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 3165 and a copy has been provided to the owner / operator.

I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION

Mark Maljanian A&P 33545223 I.A. by: Maljanian 6/1/05

MAINTENANCE RECORD

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED				AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__	HOURS	10ths					
	<b>Twin City Airmotive (FIT) Fitchburg, Ma 01420 978-342-8700 tel. Twincity98@MSN.com</b>						
	<del>5/26/2005</del>	6/1/05	MMHobbs	3263.2	:Tach	N 1589H	<b>Propeller Annual</b>
						Airframe Serial #	<b>177RG0763</b>
	Performed the following annual utilizing the manufactures annual inspection guide:						
	1. Inspected hub, blades, spinner and spinner bulkheads. No discrepancies noted at this time. 2. Dressed out nicks in prop and painted back face. 3. Greased the propeller assembly as specified by the manufacture.						
	-----END-----						
	This aircraft was inspected and/or repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and / or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 3165 and a copy has been provided to the owner / operator.						
	I certify that this Propeller has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION						
	Mark Maljanian A&P 33545223 I.A. by: <u>MMHobbs</u> 6/1/05						

Appv

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# MAINTENANCE RECORD

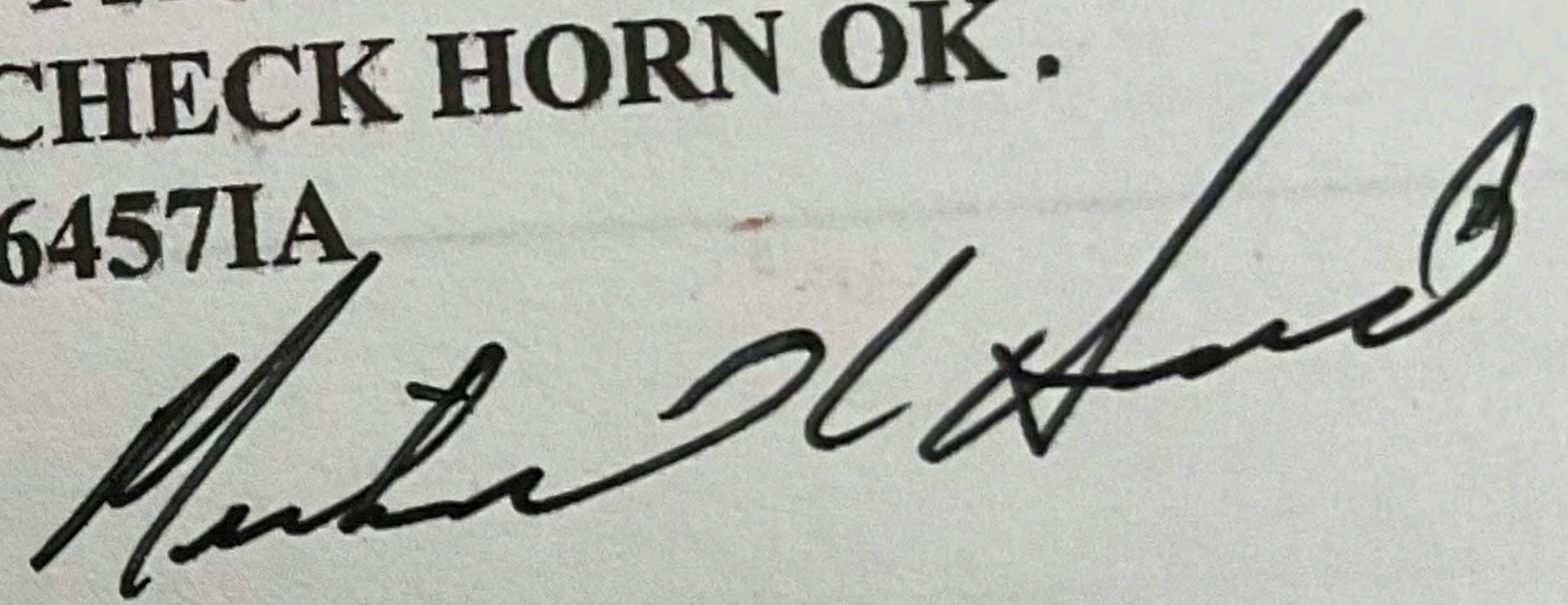
DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

9/8/05 N1589H

TACH 3283.08

REMOVED COWL ADJUSTED THROTTLE  
OPERATED GEAR WARNING HORN. REPLACED  
NOSE GEAR DOOR GROMMET, TIGHTEN FUEL  
STRAINER QUICK DRAIN CABLE  
CLAMP, REMOVED EGT PROBE AND HEAT  
CHECK. TEST FLIGHT CHECK HORN OK.

Michael L. Head AP3775664571A



# MAINTENANCE RECORD

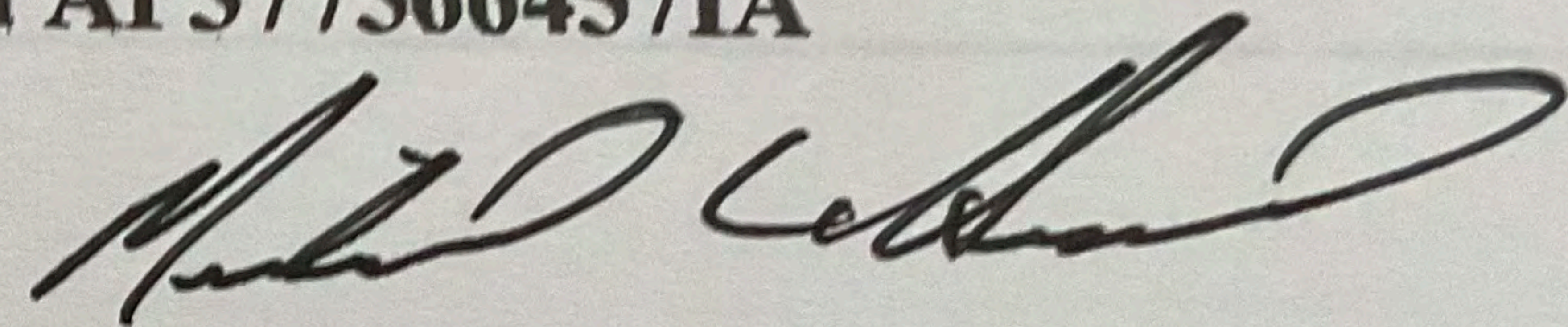
DESCRIPTION OF THE WORK PERFORMED

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

**9/20/05 N1589H**  
**TACH 3285.9**

**REMOVED COWL TIGHTEN OIL FILL TUBE AND SAFETY. ADJUSTED PROP. GOVERNOR AND SAFETY**

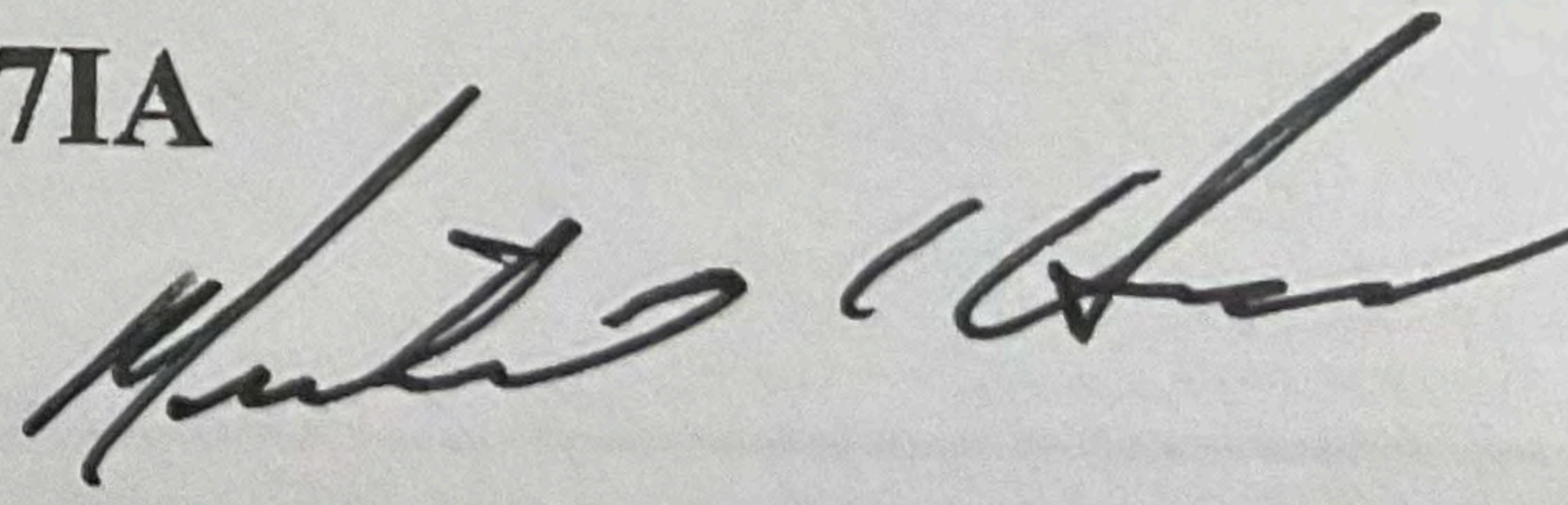
**Michael L. Head AP377566457IA**



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Addr

# MAINTENANCE RECORD

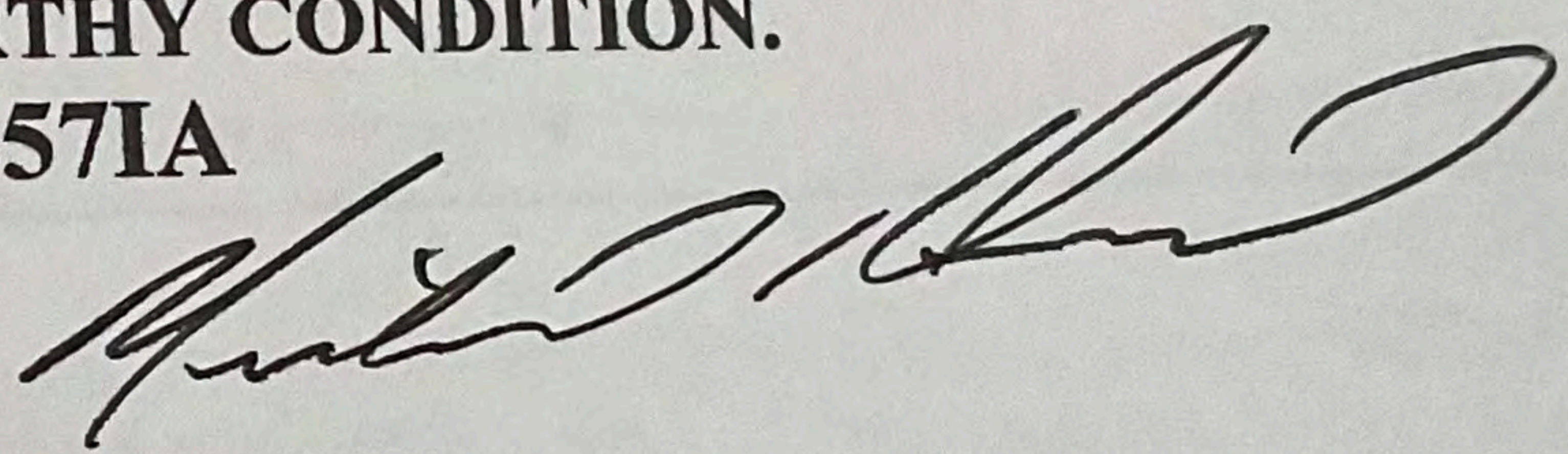
DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
	HOURS	10ths	
2005 19			<p>Changed oil &amp; oil filter TT 3299.5 Installed 2 oil filters. Added 8 qts aerashell 15W50 This date R Collins com. pilot # 3069217. Engine Run-up OK. To service. RHC</p>
			<p><b>N1589H</b>  <b>5/23/06 COMPLETED A ANNUAL INSPECTION THIS DATE TAC 3299.9 SMOH 1602.9 COMPRESSION AS FOLLOWS #1 70/80 #2 70/80 #3 70/80 #4 70/80 CHECKED MAG TIMING OK. WASH WITH SPIRITS RUN AND OPPTS CHECK OK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.</b>  <b>Michael L. Head A&amp;P377566457IA</b></p> <div style="text-align: right; margin-top: 20px;">  </div>

# MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE	
	HOURS	10ths

## DESCRIPTION OF THE WORK PERFORMED

**N1589H**  
**6/12/07 COMPLETED A ANNUAL INSPECTION THIS DATE TACH 3373.0 SMOH 1676.0 COMPRESSION AS FOLLOWS #1 68/80 #2 71/80 #3 68/80 #4 69/80 CHECKED MAG TIMING OK. INSTALLED NEW FUEL PUMP. INSTALLED AEROTECH IN-LINE VACUUM FILTER P/N CV1J4C ADJUSTED VACUUM PRESSURE SEE 337 FORM, WASH WITH SPIRITS RUN AND OPPTS CHECK OK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.**  
**Michael L. Head A&P377566457IA**



**CV1J4 FILTER INSTALLATION RECORD**  
(INCLUDE WITH A/C MAINTENANCE RECORDS)

AC "N" No. N1589H AC TACH: 3373.0

ENGINE:  SINGLE  LH  RH

DATE INSTALLED: 6/12/07 INSTALLED BY: [Signature]

AEROTECH COMPONENT

FAA-PMA  
SER No. 008495

**AUTHOR**  
FAA F

53029,

8. Part 1  
21

FAA app  
was carr  
'EASA

Tach Time Or

Model

Make

Registration

Name

Company

Address

City

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Model

Make

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Tach Time

Address \_\_\_\_\_  
City \_\_\_\_\_  
Make \_\_\_\_\_  
Model \_\_\_\_\_  
Registration \_\_\_\_\_  
Tach Time Or \_\_\_\_\_  
Tach Time O \_\_\_\_\_

8. Part Number	9. Eligibility: *	10. Quantity	11. S
211CC	N/A	1	

FAA approved process specification #203-6-1009 Revision 5 Dat  
was carried out in accordance with EASA part 145 and with respe  
"EASA.145.4802"

stored in conformity to:  
safe operation.

19.  14 CFR 43.9 Return to s  
Certifies that unless otherwise sp  
Block 12 and described in Block  
14, Code of Federal Regulations  
are approved for return to service

20. Authorized Signature



22. Name (Typed or Printed):  
Sheldon Schwantes

### User/Installer Responsibilities

oes not automatically constitute authority to install the part/component/assembly.  
regulations of an airworthiness authority different that the airworthiness authority  
rthiness authority accepts parts/components/assemblies from the airworthiness au  
n. In all cases, aircraft maintenance records must contain an installation certificati  
be flown.  
n. In all cases, aircraft maintenance records must contain an installation certificati  
n. In all cases, aircraft maintenance records must contain an installation certificati

City \_\_\_\_\_  
Make \_\_\_\_\_  
Model \_\_\_\_\_  
Registra \_\_\_\_\_  
Tach Tir \_\_\_\_\_

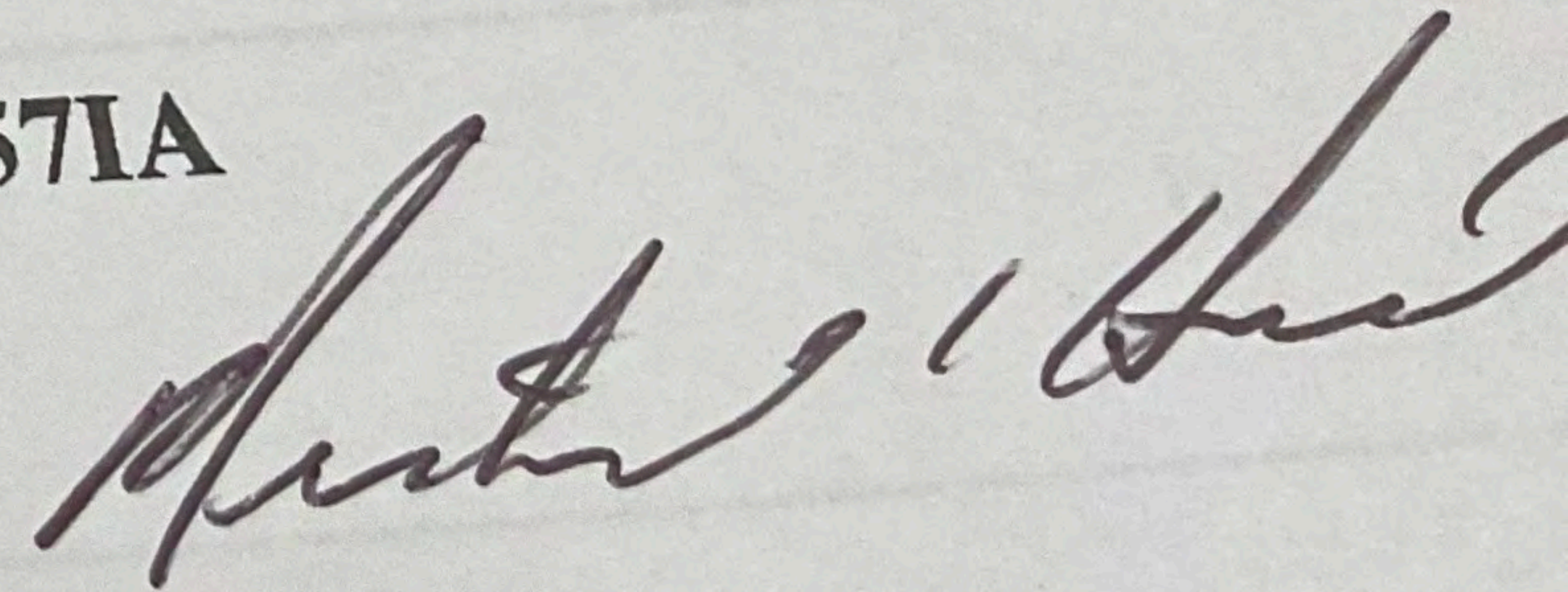
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**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

**8/8/07 N1589H  
TACH 3400.5  
INSTALLED OVERHAULED VACUUM PUMP.  
S/N 128895 P/N 211CC**

**Michael L. Head AP3775664571A**





DATE	TOTAL TIME IN SERVICE		
	HOURS	10ths	
2007 <del>19</del>			
10/5	3418	.1	Replace Replace Repair A

**KELLY AEROSPACE**  
Power Systems

Airport Complex  
P. O. Box 273  
Fort Deposit, Alabama 36032 USA  
334/227-8306  
FAX 334-227-8596

WARRANTY

MFR \_\_\_\_\_ PN \_\_\_\_\_ MO. \_\_\_\_\_

AIRCRAFT TYPE / REGISTRATION NO. IN

TACH TIME 3418.1 MECHANIC'S NAME P BENCH

INSTALLING AGENCY Paula Beady Beady

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

AIRCRAFT OWNER'S NAME \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

WITHIN 5 DAYS OF INSTALLATION

# MAINTENANCE RECORD

DESCRIPTION OF THE WORK PERFORMED

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
	HOURS	10ths	
2007 <del>19</del>			
10/15	34	18	Replace ALT with new DOFF 103005 #
			Replace Volt Reg with new DGR6 #
			Repair ALT Attach bracket Paula Beach 53



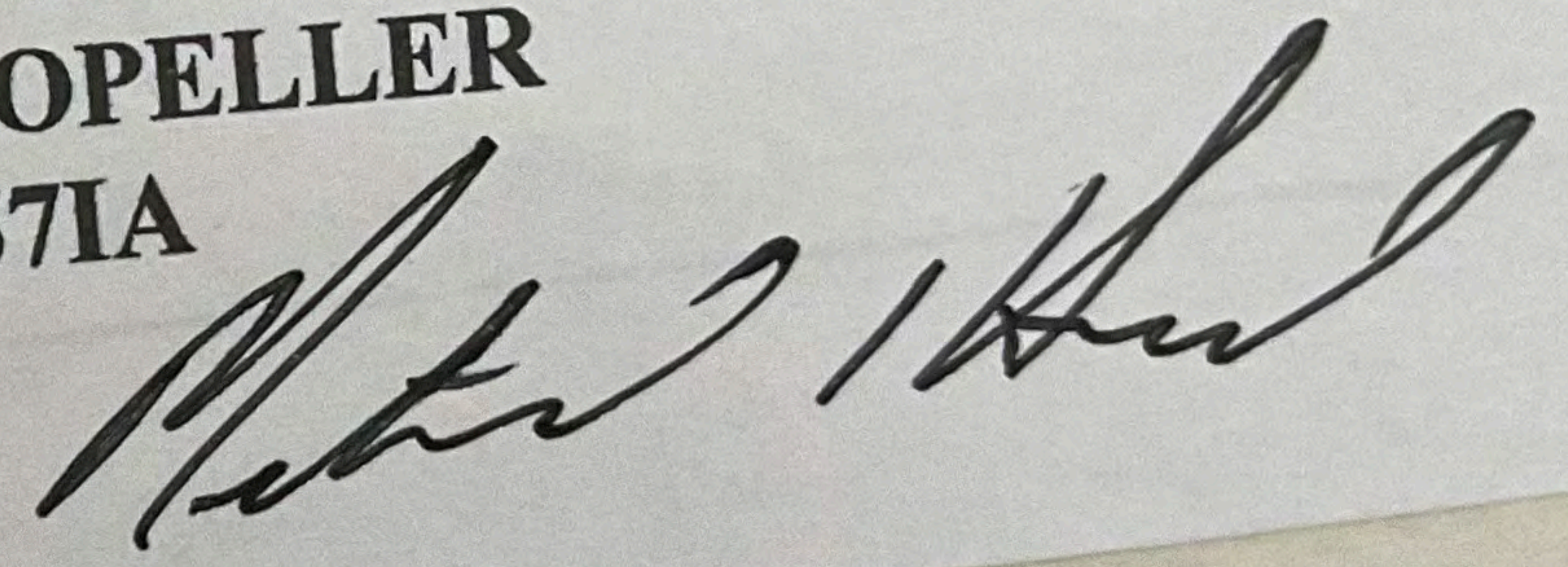
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

9/22/08 N1589H

TACH 3448.9

DRAIN OIL AND PRESERVE ENGINE IAW  
LYCOMING SERVICE LETTER NO. L180B. SERVICED  
ENGINE WITH 2 QUARTS MIL-C-6529 TYPE 1  
PRESERVATIVE COMPOUND AND 6 QUARTS  
AEROSHELL 100 MINERIAL OIL. RUN ENGINE TO  
TEMP. AND REMOVED TOP PLUGS AND SPRAYED  
CYLINDERS WITH MIL-P-46002 VAPOR  
PROTECTION, INSTALLED DESICCANT PLUGS, BAGS  
AND STREAMERS. TAG PROPELLER  
Michael L. Head AP3775664571A



DATE <i>2009</i> <i>10</i>	TOTAL TIME IN SERVICE	
	HOURS	10ths

DESCRIPTION OF THE WORK PERFORMED

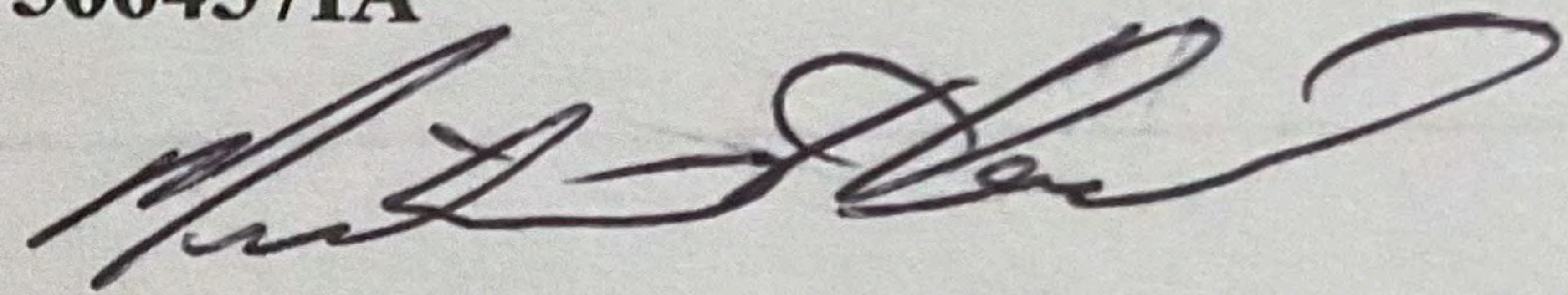
<i>5/15</i>	<i>3450</i>	<i>0</i>
-------------	-------------	----------

*changed oil & filter. Retorqued to 16ftlb safety tied  
Richard Collins com 2069217 Returned to service after leak check*

**N1589H**

**6/23/09 COMPLETED A ANNUAL INSPECTION THIS DATE TACH  
3451.9 SMOH 1754.9 COMPRESSION AS FOLLOWS #1 74/80 #2  
77/80 #3 76/80 #4 76/80 CHECKED MAG TIMING OK. CLEANED  
GAP TEST AND ROTATE SPARK PLUGS. CUT FILTER, OK  
REPLACED #2 OIL DRAIN BACK TUBE P/N 72703, REPLACED 4  
P/N STD2180 OIL DRAIN BACK HOSES, WASH WITH SPIRITS RUN  
AND OPSS CHECK OK. I CERTIFY THAT THIS ENGINE HAS  
BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL  
INSPECTION AND HAS BEEN DETERMINED TO BE IN  
AIRWORTHY CONDITION.**

**Michael L. Head A&P3775664571A**



# MAINTENANCE RECORD

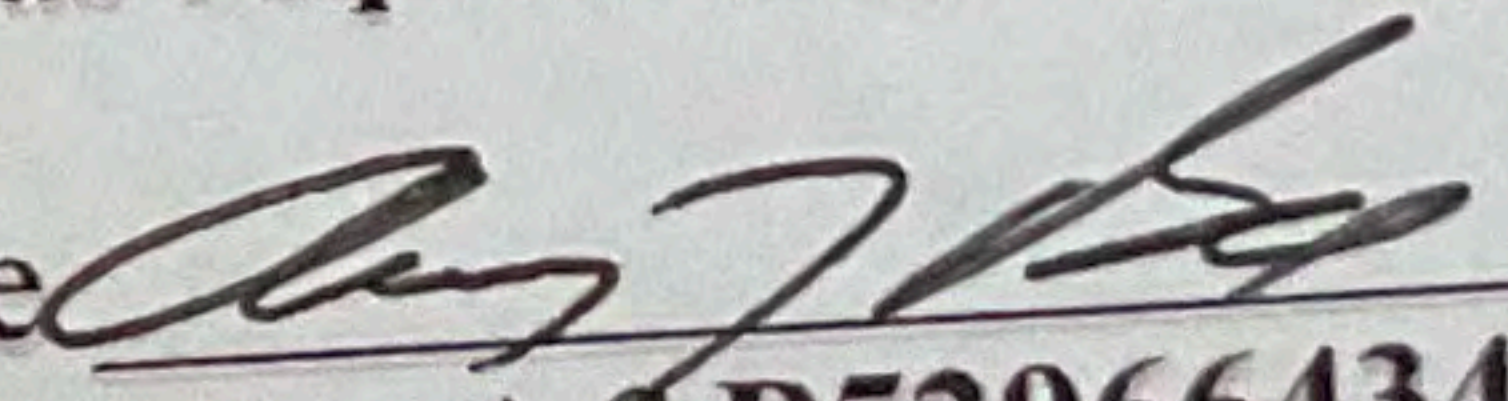
DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2010 <del>19</del>				
3/27	3486	0	CHANGED OIL & FILTER Retorqued FILTER TO 200" # SAFETY W/HEAD REFILLED w/7QT Aeroshed 100 oil. RETURNED TO SERVICE AFTER RUN UP + LEAK CHECK. 5MOH 1790.9 Richard Collins 3069217 com 10.2	

Date- 11/8/10

Reg. No. - **N1589H**

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Compressions: #1 78/80, #2 79/80, #3 79/80, #4 79/80  
 Cleaned and gapped plugs, checked mag timing. Engine run and leak check good.  
 AD 08-14-07 Fuel injection lines Complied With as per Paragraph (j) as required, no defects found.

Authorized Signature   
**A&P5296643451A**

Tach	3497.0
TSMOH	1808.4

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHOR CE
	HOURS	10ths		
2011 19				
3/25/2011	3511	0	changed Engine oil + filter, Retorqued to 16 ft lbs Safety tied. Leak check OK Refilled with 8 qts of Aero Shell 100 Returned to Service Richard Collyer COM 3069217	
11/12/2011	3518	4	Removed + Replaced G11 G-35 with new G12 G-35 checked charging system. OK Richard Collyer COM 3069217	

Reg. No. - N1589H

Date- 11/28/11

This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Tach	3520.2
TSMOH	1831.6

Compressions: #1 79/80, #2 80/80, #3 80/80, #4 79/80

AD 08-14-07 (8/14/08) Fuel injection lines Complied With as per Paragraph (j) as required, no defects found.

Cleaned and gapped plugs, checked mag timing. Engine run and leak check good.

*Richard Collyer*  
A&P529664345IA

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
	HOURS	10ths	
2012 19			
4/21	3534	1	<p>Changed Engine oil &amp; filter - Retorqued new filter to 16 ft lb &amp; Be safety tied. Leak check OK - Refilled with 8 quarts auto shell 100. Returned to service</p> <p style="text-align: center;">Rollings Com 3069217</p>

**Reg. No. - N1589H**

**Date- 12/5/12**

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

<b>Tach</b>	<b>3543.9</b>
<b>TSMOH</b>	<b>1855.3</b>

**Compressions: #1 79/80, #2 79/80, #3 80/80, #4 79/80**

**AD 11-26-04 (1/25/12) Fuel injection lines Complied With as per Paragraph (h) as required, no defects found.**

**Cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

Authorized Signature *Ray J. Berg*  
**A&P2145613IA**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2012 15				
12/18/12	3543	9	Replaced BA 5705 Bracket AIR FILTER element. Richard Collins 3109217.	

**Reg. No. - N1589H** **Date- 12/16/13**

<b>Tach</b>	<b>3568.1</b>
<b>TSMOH</b>	<b>1879.5</b>

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

**Compressions: #1 79/80, #2 80/80, #3 80/80, #4 79/80**

**AD 11-26-04 (1/25/12) Fuel injection lines Complied With as per Paragraph (h) as required, no defects found.**

**Drained oil, replaced filter with AA48103-2, added 6 Qts Aero Shell W100 oil. cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

Authorized Signature *Ray J. Bell*  
**A&P2145613IA**

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2014 10			Replaced Filter w/ AA 48103-2 Added 6 QTS Returned to	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
	HOURS	10ths	
2014 <del>70</del>			
12/6	35 91	4	Drained oil, Replaced Filter w/ AA 48103-2 Added COTS Aero-shell 100, PT CAN GAUGE, Leak checked, Returned to service. R Collins com 3069217 R Collins

**Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A**

**Date- 1/1/15**

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

<b>Tach</b>	<b>3591.4</b>
<b>TSMOH</b>	<b>1902.8</b>

**Compressions: #1 80/80, #2 80/80, #3 78/80, #4 80/80**

**AD 11-26-04 (1/25/12) Fuel injection lines Complied With as per Paragraph (h) as required, no defects found.**

**Cleaned and gapped plugs, checked mag timing.**

**Engine run and leak check good.**

Authorized Signature

**A&P2145613IA**

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHOR CE
	HOURS	10ths		
19____				
1/24/16	36	3	Drained oil, replaced filter with new AA 48103-2, added 6qt Arco Shell 1004 one pint cam guard. Leaks checked OK returned to service. A. Collier com 3059117.	

**Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A**

**Date- 1/26/16**

This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

<b>Tach</b>	<b>3619.5</b>
<b>TSMOH</b>	<b>1930.9</b>

**Compressions: #1 79/80, #2 79/80, #3 79/80, #4 79/80**

**AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted. found.**

**Cleaned and gapped plugs, checked mag timing, replaced #2 cylinder drain back tube. Engine run and leak check good.**

Authorized Signature *Ray J. [Signature]*  
**A&P2145613IA**

Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A

Date- 2/3/17

Tach	3648.1
TSMOH	1959.5

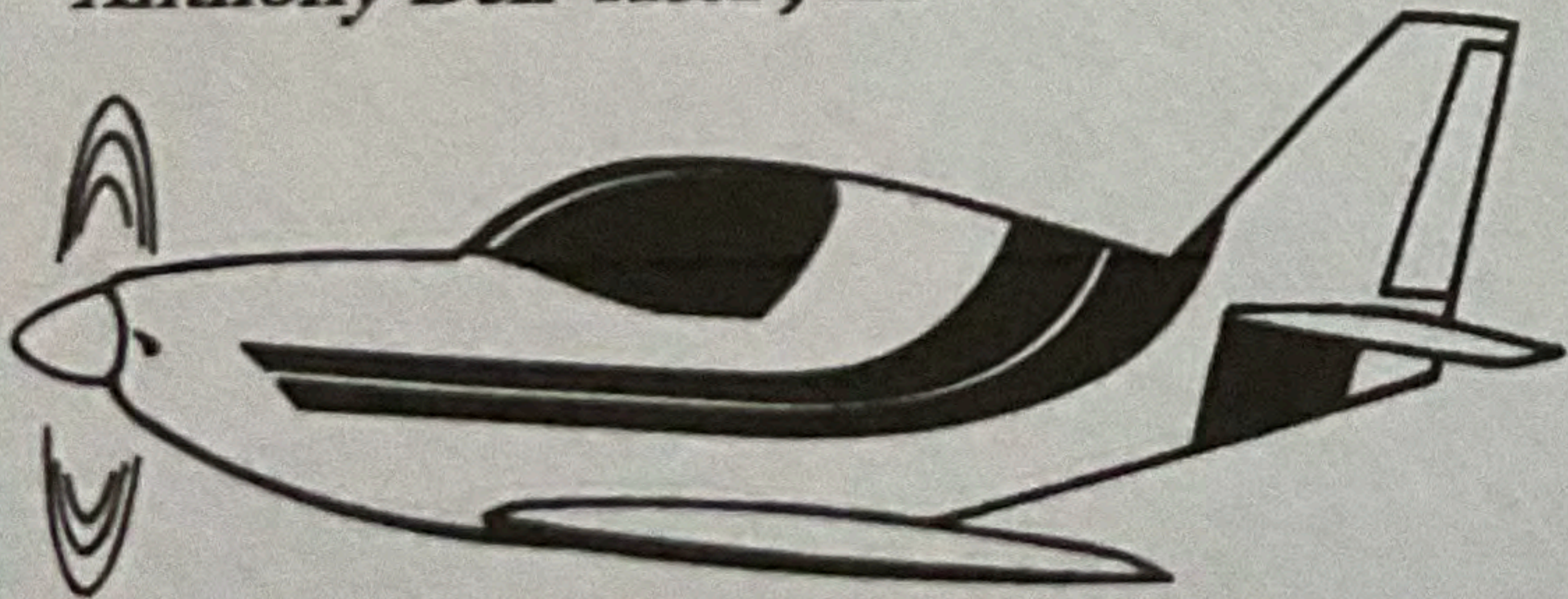
This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Compressions: #1 79/80, #2 79/80, #3 79/80, #4 79/80

AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted. found.

Drained oil, replaced filter with CH48103, added 6 Qts Aero Shell W100 oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.

*Flight Sport Aviation, LLC*  
*Anthony Bell A&P, IA*



Authorized Signature

A handwritten signature in black ink, appearing to read "Anthony Bell". The signature is written over a horizontal line.

A&P2145613IA

# MAINTENANCE RECORD

DATE

TOTAL TIME  
IN SERVICE

DESCRIPTION OF THE WORK PERFORMED

19\_\_

HOURS

10ths

Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A

Date- 3/2/18

This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Tach	3683.5
TSMOH	1994.9

Compressions: #1 75/80, #2 78/80, #3 78/80, #4 79/80

AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted.

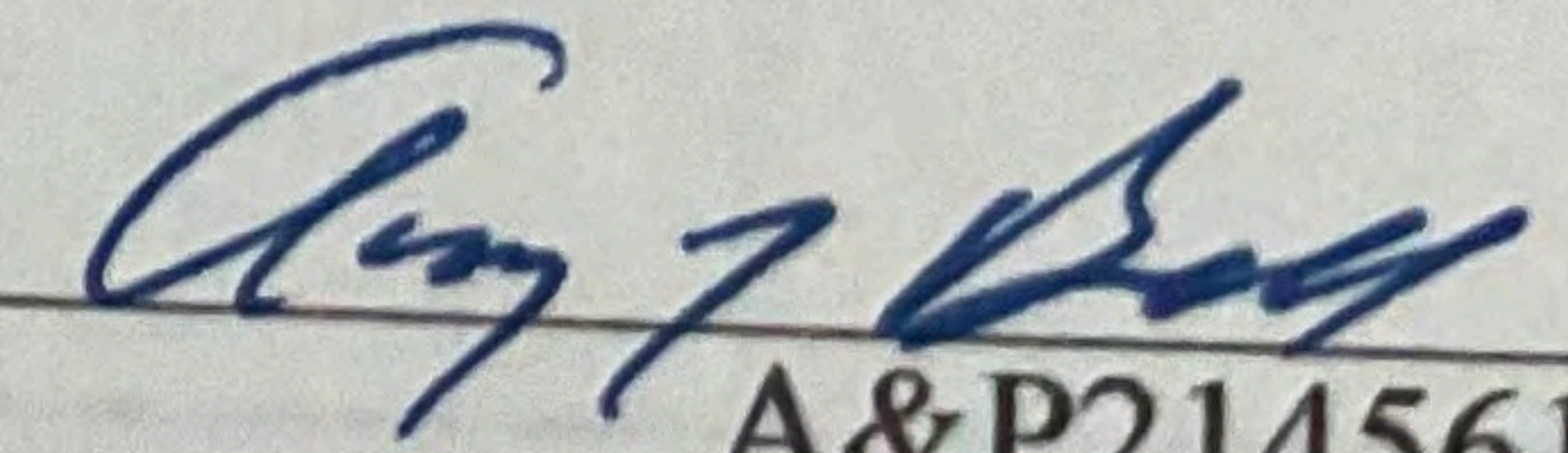
AD 17-16-11 (8/15/17) Connecting rod bushings N/A as per MSB 632B and date of overhaul.

Drained oil, replaced filter with CH48103, added 6 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.

Flight Sport Aviation, LLC  
Anthony Bell A&P, IA



Authorized Signature



A&P2145613IA

# MAINTENANCE RECORD

Reg. No. - **N1589H IO-360-A1B6D S/N RL-20553-51A**

Date- **4/4/19**

Tach	3709.6
TSMOH	2021.0

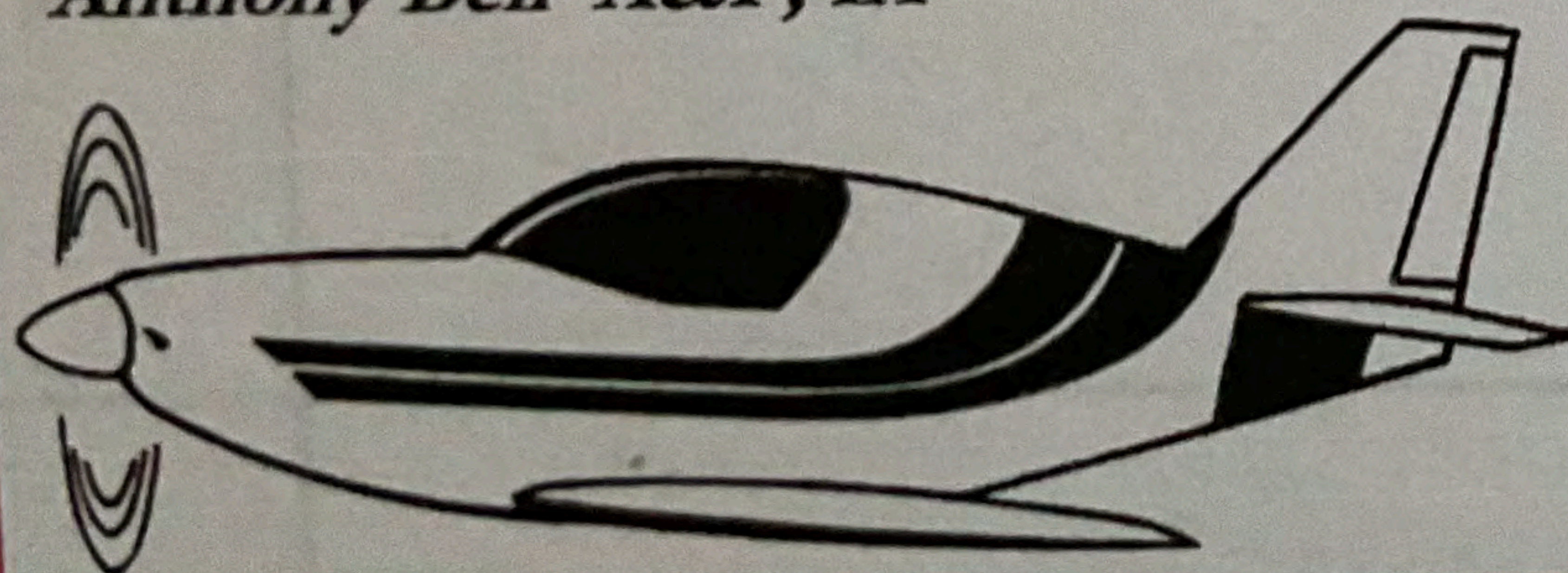
This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

**Compressions: #1 79/80, #2 78/80, #3 79/80, #4 79/80**

**AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted. found.**

**Drained oil, replaced filter with CH48103, added 5 ts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

*Flight Sport Aviation, LLC  
Anthony Bell A&P, IA*



Authorized Signature \_\_\_\_\_

*Anthony Bell*  
A&P2145613IA

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
	HOURS	10ths	
10			

**Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A**

**Date- 8/5/20**

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

<b>Tach</b>	<b>3728.3</b>
<b>TSMOH</b>	<b>2039.7</b>

**Compressions: #1 79/80, #2 79/80, #3 79/80, #4 79/80**

**AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted. found.**

**Drained oil, replaced filter with CH48103, added 6 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

*Flight Sport Aviation, LLC  
Anthony Bell A&P, IA*



Authorized Signature \_\_\_\_\_

*Anthony Bell*  
A&P2145613IA

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
	HOURS	10ths	
19__			

**Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A**

**Date- 9/3/21**

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

<b>Tach</b>	<b>3743.</b>
<b>TSMOH</b>	<b>2055.</b>

**Compressions: #1 79/80, #2 78/80, #3 78/80, #4 79/80**

**AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted.**

**AD 20-25-12 (1/15/21) Crankshaft assy. Improper manufacturing N/A by engine model. Cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

*Flight Sport Aviation, LLC  
Anthony Bell A&P, IA*



Authorized Signature

*Anthony Bell*  
A&P2145613IA

## MAINTENANCE RECORD

TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED
HOURS	10ths	
22		<p>Drained oil, Replaced oil filter with P/N 48103. Re-filled with 6 qts Phillips 20W50 XC TT 3761.5 Richard Collins CFI 3069217 Leaker OK</p>

Reg. No. - **N1589H IO-360-A1B6D S/N RL-20553-51A**

Date- **9/23/22**

<b>Tach</b>	<b>3763.9</b>
<b>TSMOH</b>	<b>2075.3</b>

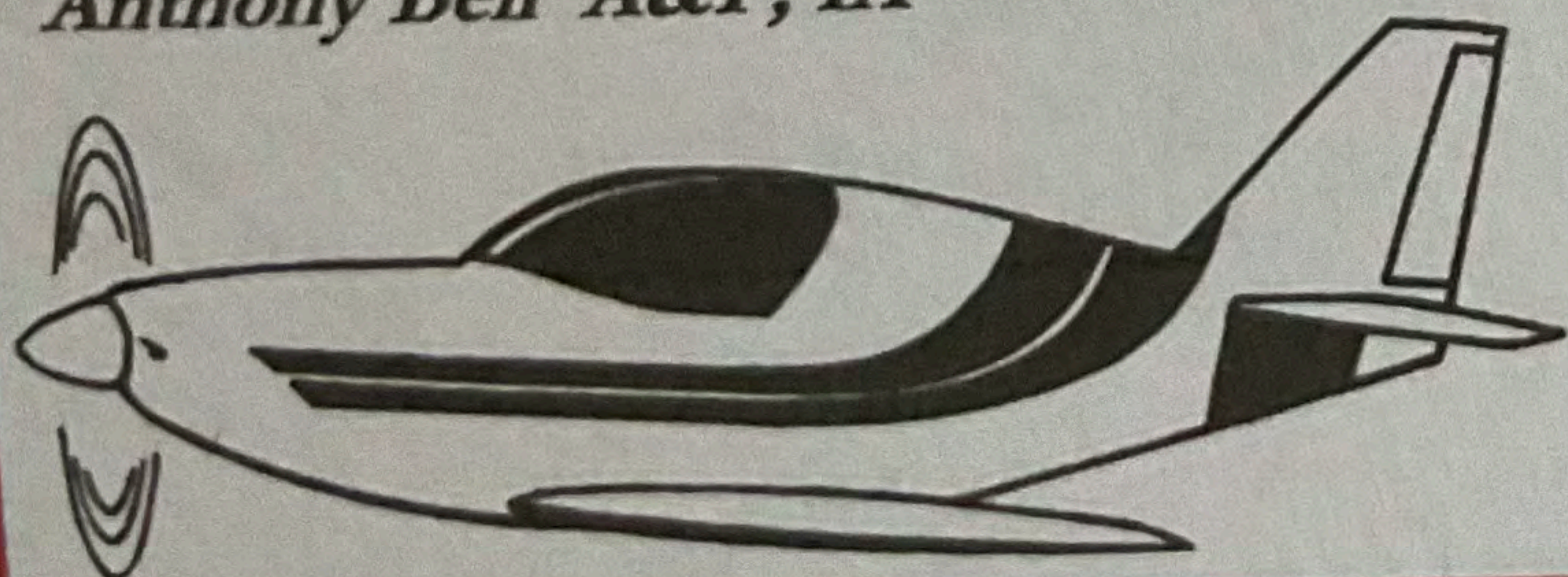
This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

**Compressions: #1 78/80, #2 79/80, #3 78/80, #4 79/80**

**AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted.**

**Drained oil, replaced filter with CH48103, added 6 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

*Flight Sport Aviation, LLC  
Anthony Bell A&P, IA*



Authorized Signature

\_\_\_\_\_  
 A&P2145613IA

# MAINTENANCE RECORD

TOTAL TIME IN SERVICE	
HOURS	10ths

DESCRIPTION OF THE WORK PERFORMED

**Reg. No. - N1589H IO-360-A1B6D S/N RL-20553-51A**

**Date- 1/9/24**

<b>Tach</b>	<b>3787.1</b>
<b>TSMOH</b>	<b>2098.5</b>

This **Engine** has been inspected in accordance with a **100 Hour/Annual Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

**Compressions: #1 72/80, #2 74/80, #3 73/80, #4 75/80**

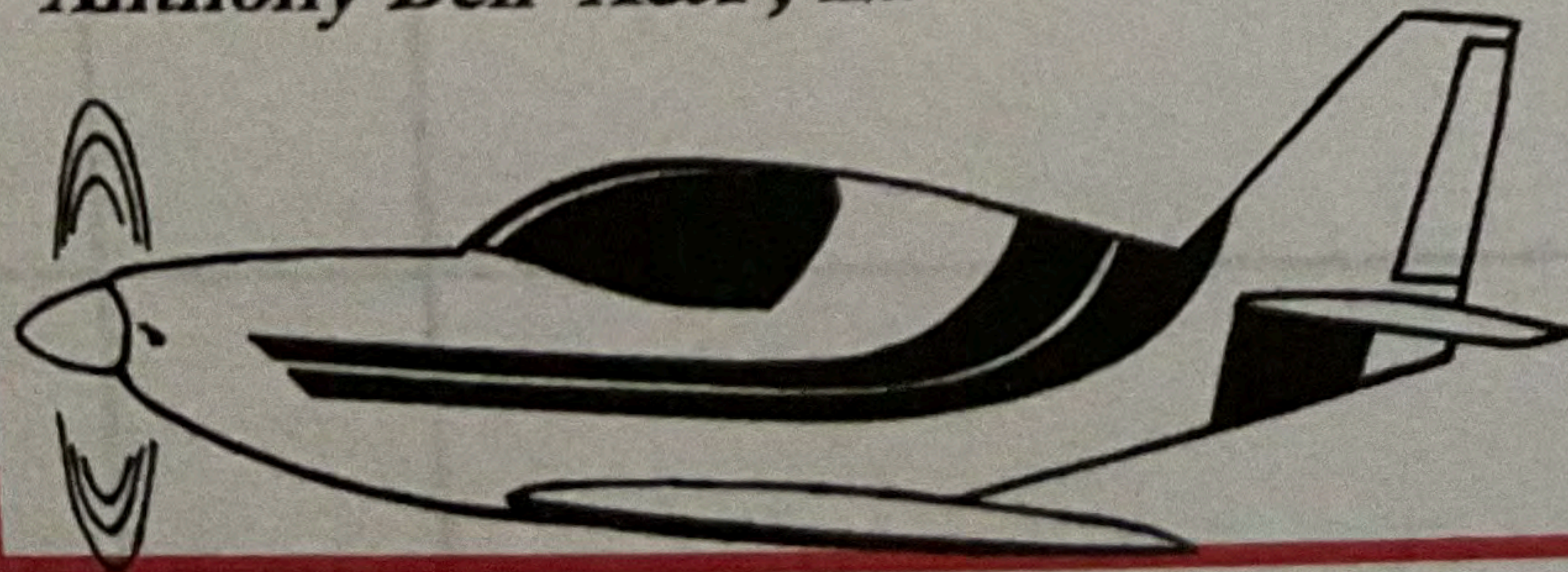
**AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted.**

**AD 22-16-03 (8/15/22) S-1200 series magneto, N/A to Magneto Model.**

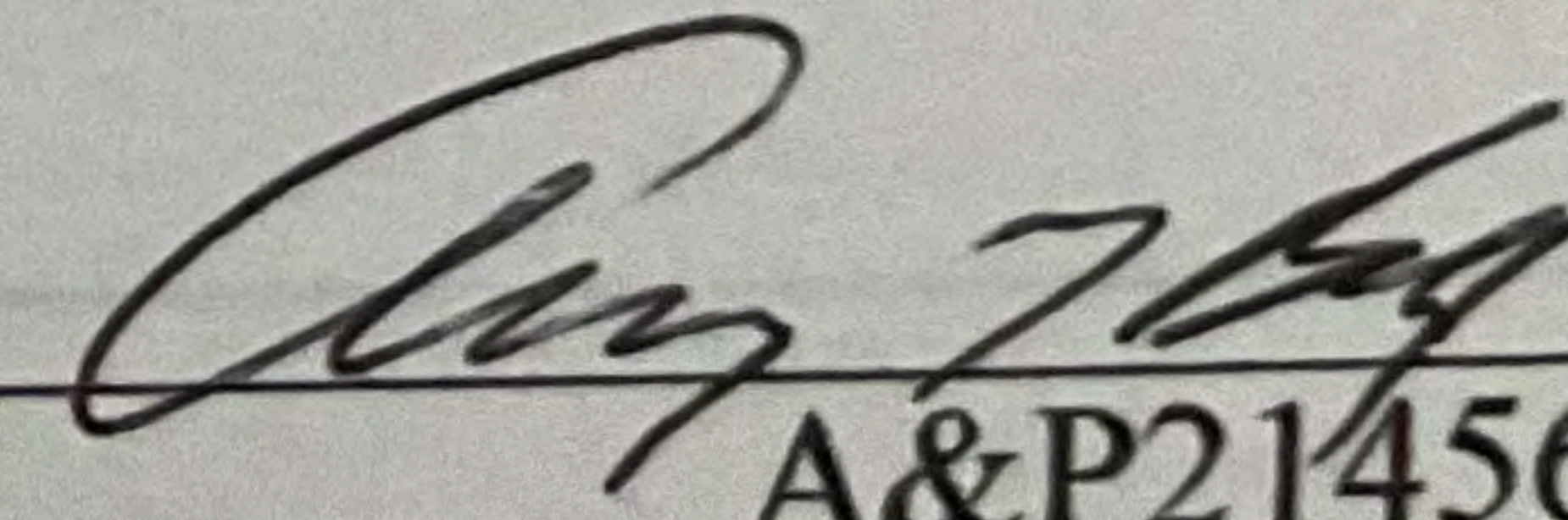
**AD 23-17-04 (10/26/23) Stratus oil filter adapter, N/A STC not installed.**

**Drained oil, replaced filter with CH48103, added 6 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.**

*Flight Sport Aviation, LLC  
Anthony Bell A&P, IA*



Authorized Signature



A&P2145613IA