
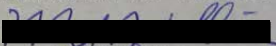
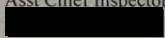


# AIRCRAFT LOG BOOK



DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT FWI						
						
Airframe Logbook Entry						
<p>8/22/2016 N8983W Tach-2822.2 AFTT 2822.2 Eng TT 2822.2 TSMOH "0" Prop TT 2822.2 Removed Engine and sent to Central Cylinder for Overhaul. Under WO# 17174 dated 8/1/2016. Engine installed with new mounts P/N J-3804-27. Installed new muffler P/N K65012-00 S/N 244408 from Knisley Welding Inc. under WO# P87812 dated 22 May, 2015. Installed exhaust with new gaskets. Installed overhauled Alternator from Aerotech of Louisville, Inc. CRS PU4R453M P/N 3656623 S/N A61805 overhauled under WO# 119056 dated 3/Aug/2016. Installed new Noise Filter P/N S1915-3 on Alternator. Original Hoses were reused. Installed new Starter Sky-Tec P/N 149-NL S/N FN-311577. Installed new Oil Cooler from AERO-Classics Heat Transfer Products Inc. Approval Authorization No. 319519216 dated 23/JUN/2016 P/N 8000075 S/N 10427825.</p>						
				 Michael D. Callison Asst Chief Inspector 		
	:	:	:			
	:	:	:			
<b>TOTALS</b>	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS

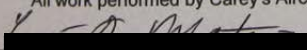
DATE

Date: 5-10-2016  
N8983W  
Aircraft sn #28-10562

AIRFRAME LOG ENTRY

- 1) Installed new carpet, Aviator I GOBI Beige, from Aircraft Interior Products, meets FAR 23.853(a) Horizontal 12 second burn test dated 5-28-11.  
Recover sidewalls, with Swiss Café Elite Ostrich, from Tapis, meets FAR 25.853 (a) Vertical 12 second burn test, dated 8-21-15.  
Recovered seats with Garrett B880 Berkshire Almond Leather Lot # 81000, test # 4747, tested from Flame-Out Inc., meets FAR 23.853 (a) Vertical 12 second burn test, dated 9-9-14.  
Installed re-webbed and inspected seatbelt restraints, pn # 110, and 501160-401, from Aviation Safety Products, Blairsville, GA. CRS # XWJR831X.  
Installed seat foam, pn # FRM-C65 BUN, tested per FAR 25.853, test date 3-26-14, from Metzeler Schaum GMBH.  
See aircraft paperwork for copies of test results, certs, etc.  
All work performed by Carey's Aircraft Interiors, Des Moines, Iowa

Signed

  
[REDACTED] Craig T. Martin A&P # [REDACTED]

END

DATE

## MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS

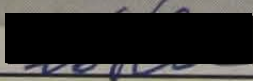
Groh Aviation, LLC  
799 East Co. Line Rd  
Greenwood, IN 46143  
317-727-9881

NOOR3W  
Tach 2780.32  
A/T T.  
DME 12.31-15

- Completed an annual inspection on this airframe in accordance with Piper PA28-235 100hr/Annual inspection guide lines and current FARS.
- Removed and replaced the Co-Pilot window.
- Removed the Fuel drain and replaced with a serviceable fuel drain P/N 1H65-4.
- Removed the fuel gauges and fuel transmitters. Sent to Air Part of Lock Haven for overhaul, See 8130-3 tags work orders 154368, 154369, 154370, 154371, 154373, 154374, 154375 and 154376 for details. Reinstalled the fuel gauges and fuel transmitters after overhaul. Operational check normal.
- Removed Tachometer and replaced with an overhauled tachometer. See Century Instrument Corp work order 09985 for details. Note Tachometer was set to current Tach 2780.32.
- Removed the left main tire and replaced with a new tire.
- Removed the right main tire and replaced with a new tire and tube.
- Removed the tail Nav Bulb and replaced with a new bulb.
- Removed the DG and replaced with an overhauled DG.
- Removed and replaced the ELT antenna.

- Complied with AD76-07-12R1 Bendix Switch inspection. Removed the Bendix Switch and replaced with a new switch A-510-2.
- Removed the aircraft battery and replaced with a new battery P/N G35.
- Removed the Marker Beacon Antenna and replaced with a new antenna P/N CI-102.
- Completed a Corrosion X Treatment. Next recommended treatment due January 2017.
- Packed wheel bearing.
- Complied with FAR 91.207 D 1-4 ELT inspection, no defects noted.
- Lubed the airframe in accordance with the service manual.
- Complied with AD78-23-01 to prevent inadvertent fuel drain lever actuation.
- Complied with AD77-12-01 to prevent a fuel system malfunction and a possible power interruption, no defects noted.
- Complied with AD95-26-13 oil hose replacement. New hoses installed new replacement due December 2022.
- Removed the vacuum regulator filter and replaced with a new filter.
- I certify this airframe was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Joshua Groh A&P IA [REDACTED] [REDACTED]

EQUIPMENT CHANGE - WEIGHT & BALANCE			
REG. NO.	MODEL	Serial No.	
N8983W	PA28-235	28-10562	
Items: (Description / P/N / S/N)	Weight Pounds	Arm Inches	Moments Inch/Pounds
Previous Aircraft Empty Weight:	1497.8	82.79	124002.86
Removed attitude gyro	-4.2	71	-298.2
Removed magnetic compass	-0.5	71	-35.5
Removed vaccum driven turn coordnator	-2	71	-142
Removed ADF controller and sense wire	-2.69	71	-190.99
			0
			0
			0
Installed new SigmaTek gyro P/N 1U149-012	2	71	142
Installed RA-1J7-1 central gyro filter assm.	0.25	54	13.5
Installed new magnetic compass	1	73	73
			0
			0
			0
			0
			0
<b>Totals</b>	1491.66		123564.67
<b>A. Old Empty Weight</b>			
	1497.8	Pounds	
<b>B. Old Empty CG</b>			
	82.79	Inches	
<b>C. Old Empty Weight CG Moment</b>			
	124002.9	Inch/Pounds	
<b>D. Max Gross Weight</b>			
	2900	Pounds	
<b>E. Old Useful Load</b>			
	1402.2	Pounds	
<b>A. New Empty Weight</b>			
	1491.66	Pounds	
<b>B. New Empty CG</b>			
	82.83702	Inches	
<b>C. New Empty Weight CG Moment</b>			
	123564.7	Inch/Pounds	
<b>D. Max Gross Weight</b>			
	2900	Pounds	
<b>E. New Useful Load</b>			
	1408.34	Pounds	
<p>This new weight &amp; balance information superseads all previous weight and balance data.                      For aircraft loading, see instructions in Weight &amp; Balance Section of Aircraft Flight Manual.</p>			
FAA Form 337 Completed?		N	
Equipment List Amended?		Y	
Jeffery S. Lee		Date:	3/24/2016
Notes:			



*The Standard*  
**ENGINE LOG**

**ASA-SE-1**

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)


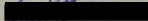
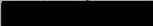
FAA Certified  
Repair Station  
X1AR676H



515-965-1020  
3700 SE Convenience Blvd  
Ankeny, Iowa 50021  
WO 16-8253

Logbook Entry

9/19/2016 N8983W Tach-2879.7 Removed and replaced carburetor heat cable with new P/N MC554-093 Lot#43972. Adjusted door and verified full travel in both directions. Operational checked okay.

  
  
 Jeffery Lee  
 Chief Inspector  


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YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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FAA Certified  
Repair Station  
X1AR676H



515-965-1020  
3700 SE Convenience Blvd  
Ankeny, Iowa 50021  
WO 16-8220

Logbook Entry

9/12/2016 N8983W Tach-2878.7 Removed Throttle cable and replaced with new P/N MC12693-04  
Operational checked okay.

[Redacted Signature]

Michael D. Callison  
Asst Chief Inspector

[Redacted]




YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

FAA Certified  
Repair Station  
X1AR676H



515-965-1020  
3700 SE Convenience Blvd  
Ankeny, Iowa 50021  
WO 16-8235

Logbook Entry

9/12/2016 N8983W Tach-2878.7 Removed Carburetor P/N 10-4404 S/N R7-3540 and sent to Central Cylinder for repair. Reinstalled carburetor and operational checked okay..

[REDACTED]  
Michael D. Callison  
Asst Chief Inspector  
[REDACTED]

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YEAR

20

DATE

FAA Certified  
Repair Station  
XIAR676H

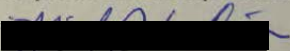
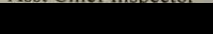


515-965-1020  
3700 SE Convenience Blvd  
Ankeny, Iowa 50021  
WO 16-8113

or

Engine Logbook Entry

8/22/2016 N8983W Tach-2822.2 AFTT 2822.2 Eng TT 2822.2 TSMOH "0" Prop TT 2822.2 Removed Engine and sent to Central Cylinder for Overhaul. Under WO# 17174 dated 8/1/2016. Engine installed with new mounts P/N J-3804-27. Installed new muffler P/N K65012-00 S/N 244408 from Knisley Welding Inc. under WO# P87812 dated 22 May, 2015. Installed exhaust with new gaskets. Installed overhauled Alternator from Aerotech of Louisville, Inc. CRS PU4R453M P/N 3656623 S/N A61805 overhauled under WO# 119056 dated 3/Aug/2016. Installed new Noise Filter P/N S1915-3 on Alternator. Original Hoses were reused. Installed new Starter Sky-Tec P/N 149-NL S/N FN-311577. Installed new Oil Cooler from AERO-Classics Heat Transfer Products Inc. Approval Authorization No. 319519216 dated 23/JUN/2016 P/N 8000075 S/N 10427825. Serviced engine with 12 qts 20W50M Phillips Mineral Oil. Run up and operational and leak checked okay.

  
Michael D. Callison  
Asst Chief Inspector  


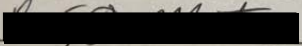



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date: 5-12-2016  
 N8983W  
 Tach: 2,840.6

**ENGINE LOG ENTRY**

- 1) Cleaned and gapped all spark plugs. Installed with new gaskets and anti-seize compound.
- 2) Installed all new exhaust gaskets.
- 3) Replaced all valve cover gaskets with new silicone gaskets pn # RG-75906-SP.
- 4) Replaced baffle seals as needed, and sealed baffle gaps with hi-temp sealant.
- 5) Installed new anti-chafe material on bottom cowling.

Signed  Craig T. Martin A & P   
 -----END-----


OVERHAUL

Date: May 2, 2016

Tach Time: 2835.2

TTSMOH: 1315.2 ( MOH AT TACH TIME 1520.0)

LAST ANNUAL: 12/31/2015

Removed oil drain plug and drained oil. Removed oil filter.  
Removed & Reinstalled oil drain plug and installed new oil  
filter Champion CH48110-1 and safety wired. Removed &  
Reinstalled oil finger with new crush gasket and safety  
wired. Serviced engine with 10 quarts Aeroshell 100+.  
Washed engine clean. Engine run up for leak check and no  
leaks found. Noticed exhaust gasket on Cylinder #1 was  
leaking scheduled repair. Cut open old filter and inspected  
for particles and found no metal or foreign particles.

Labor & Material

Performed

N8983W

Tach: 2780.32

SMOH:

Date: 12-31-15

Groh Aviation, LLC

799 East Co. Line Rd

Greenwood, IN 46143

317-727-9881

- Completed an annual inspection on this engine in accordance with Piper PA28-235 100hr/Annual inspection guide lines and current FARs.
- Compressions #1)74/80, #2)72/80, #3)78/80, #4)70/80, #5)73/80, #6)72/80
- Removed, cleaned, gapped, tested and reinstalled spark plugs with new M674 gaskets.
- Drained the oil from the crankcase and removed the oil filter. Installed a new oil filter and serviced the crankcase with Aeroshell 15W50. Cut the old oil filter open and inspected, no defects noted.
- Removed the oil pan Gasket and replaced with a new gasket.
- Removed the valve cover gaskets and replaced with new gaskets.
- Complied with AD95-26-13. Removed the oil hoses and replaced with a new hoses.
- Checked magnet to engine timing, no defects noted.
- Torqued the induction intake tube bolts to spec.
- Removed the induction air filter and replaced with a new filter.
- Adjusted oil pressure to middle of green arc.
- Engine run normal, no leaks noted.
- I certify this engine was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Joshua Groh A&P IA [REDACTED]

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

4. Organization Name and Address:

Central Cylinder Service, INC. 6315 Lindbergh Drive Omaha, NE 68110

5. Work Order/Contract/Invoice Number:  
17174

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Lycoming Engine	0-540-B4B5	1	L-7971-40	Overhauled

12. Remarks:

1 ea Lycoming 0-540-B4B5 S/N: L-7971-40 TT 2822-2  
 This engine has been disassembled, inspected, overhauled, reassembled and tested in accordance with current recommended procedures and all clearances and tolerances are within new limits. Procedures and limits used are current and supplies by the manufacturer's overhaul manual. This engine has been overhauled using parts listed. New Cylinders, fuel pump, starter, harness and spark plugs and oil cooler. Overhauled magnetos and carburetor. This engine has been test run and is approved to return to service.

13a. 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 12.

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.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

13e. Date (dd/mmm/yyyy):

14d. Name (Typed or Printed):

14e. Date (dd/mmm/yyyy):

Danial Czarnecki

01/AUG/2016

**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.