



MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N43368

AIRCRAFT

Mfg. Piper Model PA-46-310P Serial No. 46-8408028

ENGINE

Mfg. Continental Model T310-550-C Serial No. 802576

Mfg. _____ Model _____ Serial No. _____

PROPELLER

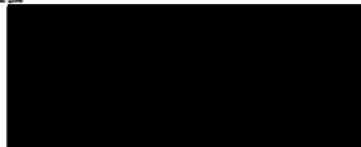
Mfg. Hartzell Model BHC-C2YF-1BF Serial No. AM2701

Mfg. _____ Model _____ Serial No. _____

Date Opened 1/15/2019

Date Closed _____

(All applicable information must be filled in)

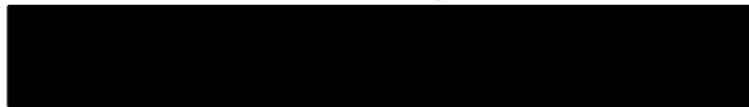


DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF MAINTENANCE/INSPECTIONS SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
MANUFACTURER: Continental			ENGINE MODEL: TSIO-550-C S/N 802576 WO# 9418			
AD #	DESCRIPTION		COMPLIANCE STATUS			
93-10-02	cylinder		N/a to new cylinders installed			
96-12-22	Cessna oil filter adapter		N/A by P/N adapter			
99-19-01	crankshaft		P/C/W CSB 99-3A on 5/11/1999 as AD 99-09-17			
00-23-21	crankshaft		N/A by crankshaft S/N			
#04-08-10	ECI cylinders		N/A to CMI cylinders			
07-16-10	turbocharger failure		To be C/W by installing agency			
10-11-04	TCM lifters		N/A to lifter P/N			
11-13-03	turbocharger turbine		To be C/W by installing agency			
12-03-06 C	Fuel servo diaphragm		N/A to CMI fuel system			
16-16-12	ECI cylinders		N/A to CMI cylinders			
16-21-04	oil collar cross fitting		N/A to engine Spec. No. C(1)B			
Poplar Grove Airmotive, Inc.					Date: 10/26/2018	
FAA Approved Repair Station # YYBR664L			Terry Aavang			

MAKE	MODEL	S/N	Hours
Continental	TSIO-550-C	802576	
Total Time	1991.3		
Hours Time Since Major Overhaul			
		Zero	
This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual M-18 New tolerances and clearances were maintained. A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook. Assembled engine with crankcase M/N G199603 inspected by Crankcase Services, CSI-29341. Installed camshaft P/N 654837 repaired by Aircraft Specialties Services. Installed cam gear P/N 656818, and lifters P/N 658077 and 658088 new from Continental Motors. Installed (6) cylinder kits P/N 658603A4BP new from Continental Motors. Installed magnetos, left P/N 6320, S/N 18070894, and right P/N 6320, S/N 18070905, new from Champion Aerospace. Installed oil cooler P/N 10279A, S/N D03-2145-73, overhauled by Skyline Accessories. Installed fuel injection service kit, P/N R-649054A6-9 with servo S/N A18IA110R, Fuel pump S/N B18GA067R, and flow divider S/N C18IA088R, rebuilt by Continental Motors. Installed starter adapter P/N R-642087A70 rebuilt by Continental Motors. See attached A.D. Compliance Record and Parts List for more details.-----END----- All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under: Work Order # 9418 Date 10/26/2018 Poplar Grove Airmotive, Inc. Poplar Grove Airport, Poplar Grove, IL FAA Approved Repair Station #YYBR664L Terry Aavang Signed for Poplar Grove Airmotive, Inc.			

TOTAL
TIME
IN
SERVIC

Gafford Aero, Inc.



GW

ENGINE Log Date: 1/15/2019 N: 43368 Hobbs: 1348.0 TSMOH: 0.0 TT: 1991.3

Installed this engine in N43368. Inspected LORD engine mounts and found in serviceable condition. Installed new air, fuel, and oil hoses. Installed overhauled 646275-1 starter, S/N H-S072668. Installed overhauled EOFF10300BA alternator #2, S/N H091625. Reinstalled existing #1 alternator (164.3 hours since overhaul). Installed overhauled E-5-2 prop governor, S/N 4675-SJ. Installed exhaust system after overhaul by Dawley Aviation. Installed new 84104-014 crossover shield. Installed the following turbocharging system components in overhauled condition: 466304-9003 LH turbocharger, S/N QDO134. 466304-9003 RH turbocharger, S/N ALN22897. 481058-9004 controller, S/N BAN02916. 470944-26 pressure relief valve, S/N BAN10221. 481064-9002 wastegate, S/N ZJN11411. Removed old clutch-driven standby vacuum system and installed the dual continuous duty vacuum system conversion (no weight and balance change). Installed overhauled 442CW-4 RH vacuum pump and 3D2387-01 control manifold, with new plumbing. AA442CW-6 LH vacuum pump, S/N 09MF09 reinstalled as-is. Installed new paper induction air filter (AD 84-26-02). Serviced engine with Phillips 20W/50 Type M break-in oil, pre-oiled the engine and turbo system. Ran engine, checked operating temps and pressures, and leak checked the engine.

I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.



Kenneth Medcalf



GAFFORD AERO, INC

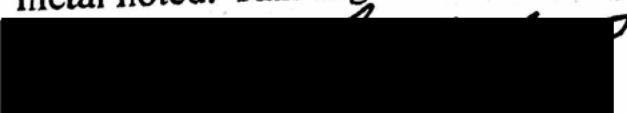


ENGINE Log
Hobbs: 1361.8

Date: 2/20/2019
TSMOH: 13.8

N: 43368
TT: 2005.1

Changed the oil and filter, Aeroshell 100 mineral break-in oil. Inspected old filter, no metal noted. Ran engine and leak checked filter, no leaks noted.



Michael Medcalf



METER
TIME

SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

GAFFORD AERO, INC

ENGINE Log
Hobbs: 1453.5

Date: 2/20/2019
TSMOH: 105.5

N: 43368
TT: 2096.8

Changed the oil and filter, Aeroshell 100W. Inspected old filter, no metal noted. Ran engine and leak checked filter, no leaks noted.

Michael Medcalf

Gafford Aero, Inc.

ENGINE Log Date: 2/11/2020 N: 43368 Hobbs: 1500.3 TSMOH: 152.3 TT: 2143.6

Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Removed plugs, checked compressions, timing, induction and exhaust systems. Cleaned, gapped, rotated and tested the plugs. Changed the oil and filter, Aeroshell 100W. Inspected filter, no metal noted. Installed new A/C compressor drive belt. Inspected induction air filter. Ran engine and leak checked, no leaks noted. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

Kenneth Medcalf A&P

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Gafford Aero, Inc.

AIRFRAME Log Date: 1/15/2019 N: 43368 Hobbs: 1348.0 TT: 5409.3

Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Inspected all controls, cables, and attach points. Checked all lighting, serviced the battery. Drained fuel from right wing, removed 3 leaking panels, cleaned and reinstalled with new sealant. Fueled and leak checked, no leaks noted. Inspected and cleaned fuel screen. Jacked aircraft, removed wheels. Replaced outboard bearing and race in the left main and nose wheel, repacked all bearings. Installed a new 5.00-5, 6 ply nose tire. Inspected and serviced brakes. Ran gear retractions, extensions, and free-fall procedures, all normal. Serviced power pack. C/W FAR 91.207 (d), inspected and tested the ELT, installed new battery, due 1/2021. C/W AD 84-26-02, installed new paper induction air filter, due each 500 hrs. All applicable ADs researched and found in compliance, see complete AD listing this date. I certify this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition.

Kenneth Medcalf

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Gafford Aero, Inc.

AIRFRAME Log Date: 2/11/2020 N: 43368 Hobbs: 1500.3 TT: 5561.6

Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Inspected all controls, cables, and attach points. Checked all lighting, serviced the battery. Inspected and cleaned fuel screen. Jacked aircraft, removed wheels and repacked all bearings. Installed a new 6.00-6, 8 ply RH main tire. Replaced all brake linings, serviced brakes. Ran gear retractions, extensions, and free-fall procedures, all normal. Serviced power pack.

C/W FAR 91.207 (d), inspected and tested the ELT, battery due 1/2021.

All applicable ADs researched and found in compliance, see complete AD listing this date.

I certify this aircraft has been inspected IAW an **annual** inspection and was determined to be in airworthy condition.

Kenneth Medcalf A&P