
The Standard
ENGINE LOG
ASA-SE-2

The Standard Engine Log
SE-2

© 1992 Aviation Supplies & Academics, Inc.

ISBN 1-56027-051-9
ASA-SE-2

All rights reserved.
Reproduction or use, without
express permission, in any manner,
is prohibited.

Published by
Aviation Supplies & Academics, Inc.
7005 132nd Place SE
Renton, WA 98059-3153

Printed in Canada

PNR ASA-SE-2

9 781560 270515





Book # 2

Engine Record General Information

Manufacturer LYCOMING **Model** 0-540-E4B5

Serial L-9862-40 **Type Certificate** N130GH ~~N329~~ # 32-124

This engine is currently installed in aircraft: PIPER PA32-260

Minimum Octane Fuel _____ **Oil Grade** Summer _____ Winter _____

Magneto Time _____ **Point Setting** _____ **Firing Order** _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ **hours**

© 1991 ASA

DATE 19____	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.)
24 JAN 2001	TIME FORWARD FROM BOOK #1 TT - TACH 3669.75 HRS SMOH 557 HRS			
	MAJOR AT TACH 3112 HRS 11-14-91			
			24 JAN 2001 TT 3669.75 HRS (TACH) 557 SMOH	
				100 HR INSP COMPLETED. COMP TEST MADE, PLUGS
				CHKED. SERVICED. 6 REPLACED. PUT IN LOWER. OIL
				CHANGED (PHILLIPS 20W50) NEW OIL. AIR FILTERS
				MAGS. TIMING, STARTER, ALTER, MUFFS. MUFFLER CHKED
				ENG WASHED. MUFFLER MUFF REPAIRED
				I certify that this ~~aircraft~~ ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in ~~airworthy condition~~
				R MacVicar A. P864408

© 1991 ASA

DATE 19____	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.)
				11 JAN 2002 TT 3739 HRS (TACH) 620 SMOH
				100 HR. INSP. COMPLETED. COMP TEST MADE, PLUGS
				CHKED. SERVICED, REPLACED 6. PUT IN LOWER.
				OIL CHANGED (PHILLIPS 20W50 MULTI) NEW OIL
				FILTER, NEW AIR FILTER CART. VACUUM PUMP
				GARLOCK. BASE SEALS REPLACED, #1, 2, 5 ROCKER
				GASKETS REPLACED. ENG WASHED. RUN UP OK.
				I certify that this ~~aircraft~~ ENGINE has been inspected in accordance with a 100 HR. inspection and was determined to be in ~~airworthy condition~~ AD 01-23-8 DNA PROP.
				R. MacVicar AC P864408

© 1991 ASA

DATE 19____	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.)
				29 JAN 2003 TACH 3817 HRS. ENG TT 2592 HRS. 699 SMOH
				100 HR INSP COMPLETED. COMP TEST MADE, ALL 77-78/80
				PLUGS CHKED, & REPLACED. PUT IN LOWER, OIL CHANGED
				PHILLIPS 20W50 MULTI, NEW OIL & AIRFILTERS. MAGS
				& TIMING, STARTER, ALT. MUFFS & MUFFLER CHKED,
				ENG WASHED. POINTS REPLACED IN RH MAG, NEW
				GASKETS, CARB. REMOVED DUE TO BODY SCREWS GETTING
				LOOSE, FLOAT LEVEL RECHKED & NEW BODY GASKET &
				MOUNTING GASKETS. RUN UP OK.
				I certify that this ~~aircraft~~ ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.
				R. Mac Vicar Ac P864408

© 1991 ASA

DATE ~~19~~ 2004	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
2/19/04	3821.8		2596.8

Wagner Airways Inc.
425 Beaverbrook Road
Lincoln Park, NJ 07035

Reg #: **3291W** Make: **Lycoming** Model: **O-540-E4B5**
Date: **02-19-2004** WO #: **2802** TTSOH: **709.0** Tach: **3821.8**

Performed an ANNUAL inspection per Piper maintenance manual P/N F753 690 and 100 hour inspection guide. Drained oil. Inspected oil system, fuel system and exhaust. Inspected magnetos and checked timing. Inspected starter and alternator. Checked all engine controls and lubed. Inspected all fluid hoses. Compression check: #1- 78/80, #2- 76/80, #3- 77/80, #4- 78/80, #5- 74/80, #6- 78/80.

1- Removed and replaced oil filter.
2- Removed and replaced air filter.
3- Removed and replaced prop governor gasket and ball joint for prop control cable.
4- Removed and replaced alternator belt.

5- Removed and replaced RH exhaust gaskets, 3 studs and hardware.
6- Removed and replaced cyl. #1, 3 and 6 oil return hoses.
7- Removed carb heat exhaust shroud. Fabricated and installed 2 patches. Reinstalled heat shroud.
8- Washed engine and cowling.
9- Serviced with 10qts. of Phillips 20W50 oil.

I certify that this aircraft ENGINE has been inspected in accordance with an ANNUAL inspection and has been found airworthy. Details on file at this agency under the work order number listed above.

Jonathan Kindler
Jonathan Kindler 2777354 IA

© 1991 AS

DATE ~~19~~ 2005	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.)
3/10/05	3880.4			I certify that this engine has been inspected I/A/W a 100HR ANNUAL inspection, and has been determined to Be in an airworthy condition Performed compression check. ① 76/80 ② 78/80 ③ 77/80 ④ 76/80 ⑤ 78/80 ⑥ 77/80. Performed oil + filter change. Serviced Engine with 11 qts of ~~aero~~ phillips 20-50 oil. Removed, cleaned, gapped, tested and reinstalled all Spark plugs. Removed + Replaced #5 Cylinder intake gasket. Tightened all Rockerbox gaskets. A.D. 96-12-07 Magneto Impulse coupling, Not due at this time. Test Run Engine, no leaks noted. All A.D.s thru 2005-4 Checked + complied With Engine Approved for return to Service Michael Rook AP2407292IA (-End-)

DATE ~~19~~ 2006	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.)
4-13	3899		781 SMOH	Engine oil & filter changed. Checked filter for metal & serviced with 20w-50 Exxon Elite. cleaned & regapped plugs. Comp check #1 76/80 2 78/80 3 70/80 4 78/80 5 64/80 6 77/80 cleaned fuel strainers; checked mounts, controls & exhaust - Desludged crankshaft. washed eng down. pump clean ✓ good. AD list attached clear of log

I certify this (~~airframe~~, engine) has been inspected in accordance with (annual, ~~100 hr~~) inspection and found to be airworthy.

William D Clark

WILLIAM D. CLARK
A&P 170526626 IA

© 1991 ASA

© 1991 AS

DATE 2007 19__	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.)
5-14	3911		7935 mod	Engine oil & filter changed - checked filter for metals serviced with 10W-50 Exxon Elite - cleaned & regapped plugs compcheck # 78/180 70/280 77/380 78/480 77/580 76/680 verified mag timing. cleaned fuel strainers, Replaced induction filter. checked mounts, controls & exhaust, washed eng down - Rump & leak ✓ good Removed left mag for compliance with AD 2005-12-06 - installed new PN 10-400315 - snap ring type coupling - next insp due 500 hrs. mag S/N J099101DK model 56LN-20 Replaced oil cooler lines Ftw AD 95-26-13 - fabricated using existing fittings & new

© 1991 ASA

DATE 2007 19__	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.)
5-14	3911			stratoflex 111-8 hose

I certify this (~~airframe~~, engine) has been inspected in accordance with (annual, ~~100~~ hr inspection and found to be airworthy.

William D Clark

WILLIAM D. CLARK
A&P 170526626 IA

© 1991 AS

DATE 2008	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.)
8-9	3915		797	SMOH Engine oil & filter changed - checked filter for metal & serviced with 20W-50 Exxon cleaned & gapped plugs - comp check all above 70/80. cleaned fuel strainers - checked mnts controls & exhaust. washed any down rump leak ✓ good

I certify this ~~(airframe~~, engine) has been inspected in accordance with (annual, ~~100 hr~~) inspection and found to be airworthy.

William D Clark
WILLIAM D. CLARK
A&P ~~[illegible]~~ IA
5278856

© 1991 ASA

DATE 19	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.)
03/07/09	3927.5		809.5	Cleaned Gapped & Rotated Plugs, Replaced 4. Removed & Cleaned Oil Contaminated Right Magneto; Reinstalled and Properly Timed Both Magnetos. Replaced Right Magneto drive Cushions. [signature] A.P 301347260
04/07/09	3937.2			Removed Left Magneto Inspected, Cleaned & Internally Timed. C/W RC05-12-06 Impulse Coupling OK & Reinstalled. [signature] A.P 301347260
08/15/09	3983.2		685.2	Installed Shock K 6565 Eqn. upgrade Kit. Changed oil & Filter Cut Filter ok ok Strainer ok. Serviced with AeroShell 15W50. Replaced Vacuum pump Gasket, Replaced #1, 2, 5 & 6 Valve Cover Gaskets. Repaired Exh. Shroud & Replaced All Exh Gaskets & Hardware. Repaired & Attached oil Cooler baffle. Replaced #5 Cyl oil return Resv. Compression #1 74/80 #2 78/80 (OVER) #3 73/80 #4 75/80 #5 74/80 #6 74/80

© 1991 AS

DATE 19____	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.)
08/15/09	(CONTINUED)			I Cuetify That This Engine has been inspected in accordance with an 100 hr Inspection and was determined To be in an Aircworthy Condition. A.P 3013472
04/25/13	4003.8		885 SMOH	Eng. oil and Filter changed. Checked Filter for metal CHK ok. Serviced with 20W-50 Phillips. Cleaned and Gapped plugs. Compression chk complete #1 74/80, #2 72/80, #3 74/80, #4 74/80 #5 76/80, #6 78/80. Cleaned Fuel Strainers. Replaced all Flexible Fuel & oil Hoses (7ea.) Checked mounts, Controls and Exhaust. All AD's thru 2013-4 Checked and complied with. Run and leak check complete. I certify that this Engine has been inspected in accordance with a 100hr Inspection and have determind to be in an airworthy condition. SCHull SHAWN T Hull 3404248 A&P/IA

© 1991 ASA

DATE 19 14	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.)
6-6-16				6-6-16 TACH 4003.2 SMOH: 882 Eng. Oil and filter changed. Checked filter for metal, Chk ok. Serviced with 20W-50 Phillips. Cleaned and Gapped plugs. Compression chk complete #1:78, #2: 78,#3: 76,#4: 76, #5: 72, #6: 78. Leaned fuel strainers. Checked mounts and control cables. All ad's thru 6-6-16 checked and complied with. Run and leak chk complete. I certify that this engine and Prop has been inspected IAW a 100hr inspection. And have determined to be in an airworthy condition. Shawn Hull 3404248 IA SCHull

© 1991 ASA

DATE 20 17	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.)
2-17-17				2-17-17 Tach: 40~~48.4~~ SMOH: 927 Drained oil. Removed and replaced oil filter. Filled oil with Phillips XC 20w-50 and Champion CH 48110-1 oil filter. Inspected oil filter. No metal found. Replaced #5 Cyl tube seals 4 ea. Pn LYC 70310 and LYC 18661. Operational and leak check OK. Shawn Hull 3404248 AP/IA
				AUG 10, 2017 TACH: 4075.9 SMOH: 954.73 Repair Slick magneto S/N 08112825 P/N 6350 replaced condenser,contacts. Block and gears assembly, lower seal, coil and wedges bench tested magneto ops check ok. Repair Slick magneto S/N 09053467 P/N 6355 replaced condenser, contacts, lower seal C/W AD 99-04-04 impulse coupling inspection next due 250hrs bench tested magneto ops check ok. Michael Peters A&P 449987998

© 1991 ASA

DATE 19____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterat** Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (*See* back pages for other specific entri
8-12-17	4075.9	SMOH	954.73	8-12-17 Tach: 4075.9 SMOH: 954.73 All 6 cylinders replaced with New Lycoming Cylinder Kits with new piston /ring assy. (PN 05K21102. Removed and replaced Oil sump gasket, accessory gearbox gasket, vaccum pump gasket, 4ea magneto gaskets, Fuel pump gasket. Drained oil and replaced filter. Replaced all 12 spark plugs. Replaced alternator belt. Replaced complete set of baffling. All AD's thru 8-17 checked and complied with. Run and leak chk complete. I certify that this engine and Prop has been inspected IAW a [illegible] inspection and have determined to be in an airworthy condition. Shawn Hull 3404248 AP/IA

© 1991 ASA

DATE 2018 ~~19~~	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.)
5-9-18	4120.0	SMOH	998.83	5-9-18 Tach: 4120.0 SMOH 998.83 Drained oil and removed oil filter. Filled with 10 quarts of XC 20w-50 and replaced filter. No metal found in filter. Ops check complete. Shawn Hull 3404248 AP/IA SH Hull
9-2-18	4169.6	SMOH	1048.6	9-2-18 Tach: 4169.6 SMOH 1048.6 Cleaned and gapped plugs. Compression check completed #1 78,#2 78,#3 76,#4 72,#5 78,#6 78 Cleaned fuel strainers. Checked mounts and control cables. All AD's thru 8-18 checked and complied with. Run and leak chk complete. I certify that this engine has been inspected IAW an annual inspections. Have determined to be in an airworthy condition. Shawn Hull 3404248 AP/IA SH Hull
6-1-18	4137.7		1016.5	6-1-18 Tach: 4137.7 SMOH: 1016.5 Drained oil and removed oil filter. Filled with 10 quarts of XC 20w-50 and replaced filter. No metal found in filter. Ops check complete. Shawn Hull 3404248 AP/IA SH Hull

© 1991 ASA

DATE 2018 ~~19~~	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.)
12-30-18	4184.9	SMOH	1063.7	12-30-18 Tach: 4184.9 SMOH: 1063.7 Drained oil and removed oil filter. Cut filter and inspected. No metal found. Filled with 9qts of XC 20w-50 replaced oil filter. Leak chk complete. Shawn Hull 3404248 AP/IA SH Hull

MAKE	MODEL	S/N:	DATE:
Lycoming	O-540-E4B5	L-9862-40	10-1-2019
TACH / HOBBS TIME:	**TOTAL TIME:**	**SMOH:**	
4276.37	4276.37	1155.7	8703

TSA
TRI-STATE AVIATION INC.
701-642-5777

1. Inspected and lubed all engine controls
2. Ran compression test #1, 75 #2, 74 #3, 74 #4, 74 #5 76 #6 72 all tested at 80PSI
3. Serviced engine with 11qts X/C 20W50. Cut and inspected oil filter no defects noted at this time Installed CH48110-1 oil filter
4. Removed, cleaned, gapped, tested and installed sparkplugs
5. Inspected and cleaned fuel strainer
6. Removed LH magneto sent to Bolduc aviation for compliance with AD99-04-04 See W/O #32151, Installed and timed magneto
6. Complied with Ads see AD compliance report
7. Test run and leak checked. All checked out ok at this time

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION IN THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND IT TO BE IN AIRWORTHY CONDITION AT THIS TIME.

Jonathan Klein A&P 3281020IA

2-24-20	4345.95	SMOH	1224.75	Drained oil + removed oil filter. Filled with 9qts of XC 20w-50 + replaced oil filter. Leak check completed. By A&P Private Pilot #3779404

© 1991 ASA

MAKE	MODEL	S/N:	DATE:
Lycoming	O-540-E4B5	L-9862-40	5-18-2020
TACH / HOBBS TIME:	TOTAL TIME:	SMOH:	
4371.02	4371.02	1250.35	8794

TSA TRI-STATE AVIATION INC 701-642-5777

1. Removed RH &LH magnetos sent to Buldoc aviation for repair as needed. installed RH & LH magnetos AD99-04-04 impulse coupler inspection complied with at this time next due at TT 4621.02 see w/o #32652
2. Removed 12 sparkplugs and installed 12 new REM38E sparkplugs

Jonathan Klein A&P 3281020

pairs and Alterations
nd Certificate Number of
for other specific entries:)

06-16-20	4405.89	SMOH	1284.69	Drained oil + removed oil filter. Filled with 8 qutarts of Phillips XC 20W-50 oil + replaced oil filter. Leak check completed. RA Cg Private Pilot #3779904
8-20-20	4429.04	SMOH	1307.94	Removed and replaced intake hoses and gaskets supplied by Buldoc Aviation. Run up OK Dale Keller A&P 3169521

© 1991 ASA

MAKE	MODEL	S/N:	DATE:
Lycoming	O-540-E4B5	L-9862-40	11-2-2020
TACH / HOBBS TIME:	TOTAL TIME:	SMOH:	
4429.8	4429.8	1309.13	8865

TSA TRI-STATE AVIATION INC 701-642-5777

1. Inspected and lubed all engine control
2. Serviced engine with 12qts 20W50 mineral
3. Installed CH48110-1 oil filter
4. Removed, cleaned, gapped, tested and installed sparkplugs
5. Inspected and cleaned fuel strainer
6. Disassembled engine due to metal found in filter
7. Sent case, crank, rods, and all gears to Bolduc Aviation for inspection and repair as needed.
8. Reassembled engine with new gaskets, gear bolts, rod bolts, rings, reconditioned lifters and cam, see W/O# 32976 & 32976-1 work done IAW lycoming overhaul manual
9. Complied with Ads see AD compliance report
10. Test run and leak checked. All checked out ok at this time

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION IN THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND IT TO BE IN AIRWORTHY CONDITION AT THIS TIME.

Jonathan Klein A&P 3281020IA

MAKE	MODEL	S/N:	DATE:
Lycoming	O-540-E4B5	L-9862-40	3-29-2021
TACH / HOBBS TIME:	TOTAL TIME:	SMOH:	
4463.36	4463.36	1342.69	8953

TSA TRI-STATE AVIATION INC 701-642-5777

1. Drained oil, removed filter cut open for inspection no defects noted at this time
2. Installed new Ch48110-1 filter, serviced engine with 12qts Phillips X/C 20W-50
3. Oil sample taken and sent in for analysis
4. Test run and leak check no defects noted at this time

Jonathan Klein A&P 3281020

MAKE	MODEL	S/N:	DATE:
Lycoming	O-540-E4B5	L-9862-40	7/22/2021
TACH / HOBBS TIME:	TOTAL TIME:	SMOH:	
4504.21	4504.21	1383.54	9003

TSA TRI-STATE AVIATION INC 701-642-5777

1. Removed RH &LH magnetos sent to Boldoc Aviation for repair as needed, installed original RH magneto & new LH magneto P/N 6355 S/N 10080029. AD99-04-04 impulse coupler inspection complied with at this time next due at TT 4754.21 See W/O # 33805
2. Ground run, Ops Checked and leak check. All OK at this time.

Jonathan Klein A&P 3281020

pairs and A
d Certificate N
or other specif.

© 1991 ASA

DATE	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.)

The subject aircraft was involved in an incident / accident on 9/29/2021 rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to claim 256982002 3US.

Signed

Date 2/18/2022

AIG Aerospace Adjustment Services, Inc.
3500 Lenox Road, Suite 1100
Atlanta, GA 30326

© 1991 ASA

Registration # N130GH PA32-260 Serial No: 32-124 TT /Tach: 4530.80 Date: **9/14/2022**
Engine O-540-E4B5 S/N: L-9862-40 Engine TT : 4530.80 TSOH : 1410.13
McCauley Model: HC-C2YK-1BF S/N: CH9358 TT: 2801.9 TSOH:830

Engine was removed for Transport of Aircraft. Engine was not under power during incident. Comply with AD 2004-10-14 and Lycoming Mandatory Service Bulletin No. 475C, Crankshaft. Gear Removed Accessory Case, removed Crankshaft gear for inspection by G&N Aircraft W.O. 75034. Reinstalled Crankshaft Gear with New Bolt and Locking Plate. Reinstall Accessory Case and reinstall Engine Accessory. Reinstalled Engine onto Airframe. Inspected engine for 100Hour/Annual Inspection, Drain oil and removed oil filter cut old filter no contaminates noted. Installed new CH48110-1 filter and service with 12 quarts Philips 20W50. Compression check #1 76/80 #2 74/80 #3 73/80 #4 75/80 #5 76/80 #6 74/80 Cleaned and Gap spark plugs. Checked mag timing to engine. Reviewed AD to this date C/W **AD2017-14-04** Oil cooler hoses. Due every 100 hours. Next due **4630.80** Oil hoses are Type D C/W **AD99-04-04** Magneto Impulse Coupling per Textron Lycoming Mandatory SB No. 537, no defects noted. Next due **ACTT: 4780.80**
All work was accomplished in accordance with Piper and Lycoming service instructions. This Engine has been inspected in accordance with 100Hour/Annual inspection and was determined to be in airworthy condition.

Steven Sheeley A&P3099897IA

© 1991 ASA

DATE 19____	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.)

Beacon Aviation Flight Services LLC. 6152 W Pleasant Dr. Rogers AR 72758 Date **1/18/23**

N95424 SN: 32-124 **Engine** Lycoming O-540-E4B5 SN: L-9862-40

Tach Time **4619.88** Hobbs **N/A** Total Time Engine **4619.88** TSMOH **1499.21**

Completed and annual inspection in accordance with Lycoming Service Manual on this date, AD's researched thru 17-16-11, See attached AD Report. Inspected Engine, hardware, control cables, hoses and wiring. Inspected engine in accordance with the Lycoming service manual checklist. Performed a compression check on all cylinders the results are as follows: #1 79 #2 79 #3 77 #4 79 #5.78 #6.79 . Checked timing on magnetos verified 25° BTC. Drained and Filled oil with 10 qts of Phillips XC 20W50. Removed Oil filter and cut open found no metal or debris in filter. Installed new Tempest AA48110-2. Removed Fuel strainer and cleaned and inspected the fuel screen - Ok. Inspected and lubricated all engine linkages and control cables and all - Ok. Inspected heat, muffler shrouds and inspected the exhaust system for cracks or abnormalities - Ok. Inspected the air filter and associated hoses. - Ok. Replaced air filter with new. Replaced valve cover gaskets with new silicone gaskets. Test ran engine, engine produced adequate power. Reinspected engine after runup to check for leaks etc. and none found. I certify that his engine has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition at this time - END

William B Peters A&P 3485615 IA

Beacon Aviation Flight Services LLC. 6152 W Pleasant Dr. Rogers AR 72758 Date **1/18/23**

N95424 SN: 32-124 **Propeller** Hartzell HC-C2YK-1BF SN: CH9358

Tach Time **4619.88** Hobbs **N/A** Total Time Propeller **2890.98** TSMOH **919.08**

Completed an Annual inspection IAW FAR 43.13 Appendix D on this date, AD's researched thru 09-22-03 See attached AD report. Inspected propeller for nicks and abrasions filed and dressed with sandpaper. Checked propeller bolts for security, Removed spinner an inspected bulkhead and spinner. Reinstalled. Test ran engine and propeller performed normally - Ok . I certify that this propeller has been inspected in accordance with an annual inspection and is found to be in an airworthy condition at this time. - END

William B Peters A&P 3485615 IA

© 1991 ASA

DATE 19____	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.)
2023 1/21	4464		4464	Drained oil and Change filter [illegible] 4659442
2023 1/31	4707		4707	Drained oil and Change filte [illegible] 4659442

WALKER AVIATION SERVICES LLC (817) 629-3890

N130GH 01-29-2024 TACH – 4755.42 TSO – 1643.42

MODEL – LYCOMING O-540-E4B5 S/N – L-9862-40

PERFORMED AN ANNUAL / 100HR INSPECTION. CHANGED ENGINE OIL & FILTER – INSPECTED OLD FILTER – SERVICED WITH AEROSHELL 100 PLUS OIL. CHECKED CYLINDER COMPRESSIONS – 1-76/80, 2-74/80, 3-78/80, 4-78/80, 5-74/80, 6-78/80. BORESCOPED CYLINDERS – NO DEFECTS NOTED. INSPECTED SPARK PLUGS. ADJUSTED RH MAGNETO TIMING. REMOVED LH MAGNETO & INSPECTED IMPULSE COUPLING PER AD99-04-04 (NEXT DUE AFTT-5005.42). REINSTALLED LH MAGNETO & TIMED TO ENGINE. REPLACED (1) MISSING STARTER MOUNTING BOLT. REPLACED MISSING BAFFLE HARDWARE AS NECESSARY. WASHED ENGINE, RAN & CHECKED FOR PROPER OPERATION & LEAKS. ADJUSTED IDLE MIXTURE & RPM. CHECKED A.D.s THROUGH BW2024-02. "I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL / 100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME."

B. Michael Walker A&P/I.A. - 2737904

01-29-2024

© 1991 ASA