

N8083Y  
PIPER PA28-236 S/N: 28-7911310  
ENGINE LOG #2



# ENGINE LOG

ASA-SE-2

WJ

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**Engine Record** General Information

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Manufacturer LYCOMING

Model O-540-J3A5D

Serial L-21831-40 A

Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft: N 8083Y PA-28-236

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Minimum Octane Fuel 100

Oil Grade Summer 50wt.

Winter ~~40wt.~~

Magneto Time \_\_\_\_\_

Point Setting \_\_\_\_\_

Firing Order 1-2-4-3

Spark Plug Gap .016-.019

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours

# PERFORMANCE AERO ENGINES

00.00 SMOH

Stage III engine overhaul O-540-J3A5D serial # L-21831-40A. Disassemble, clean, NDT & dimensionally inspect. Micropolish crankshaft std/std, SB530, SB505, SB475. Bush blades & counterweights. Modify crankshaft gear per SB475, torque 660 in lbs safety. Bush & bore connecting rods for center to center. Install new camshaft & lifters. Install & size new intake & exhaust guides. Three angle high performance valve job. Flow heads on SF600 flow bench. Surface & restud ports. Hone cylinders for ring finish. Bush size & ratio rocker arms. Complete engine blueprinted & balanced dynamically. Alodine alloy parts, paint engine. Assemble engine completed per manufacturers approved data. Engine must be functionally tested per SII427 before return to service. See AD Compliance sheet. Other pertinent data on file at:

PERFORMANCE AERO ENGINES, INC.

RS#P6ER393N

Work Order #3736

Date: 4/9/01

Signed

*Ran Manna*

#2540162

YEAR 01 DATE	RECORDING TACH TIME	TODAY'S 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.)
June 5 <sup>th</sup> 2001	TAC: 2,348.24hr		TSMOH: 000.00hr TSN: 2,348.24hr	Reinstalled Engine after overhaul by Performance Aero Engines of Lakeville, CA. RS#P6ER393N. CLEANED ENGINE THRUSS, INSTALLED NEW VIBRATION ISOLATORS. Repaired and painted all engine Baffle installed new Baffle seals, New Engine Hoses (Hoses by Air-Pro of Long Beach, CA) ADJUSTED ENGINE CONTROLS for proper operation. EXHAUST SYSTEM SENT OUT for Repair, INSTALLED NEW ALTERNATOR DRIVE BELT, REWIRED WAGNETO to Engine, filled Engine with Pennsylv 50W. Non Det. Universal oil for BREAK-IN. ENGINE BREAK-IN PROCEDURES per Lycoming SE 14A7B Recommendations. c/w all 100hr and Annual inspection items per P, per Service Manual all work done in accordance with P, per Service Manual. NOTE: WAGNETO o/H'd 04-2001 00.00hr on WAG @ E. Inc. of instruction.
				NOTE: AD 00-18-53 oil filter Converter Plate Gasket c/w @ o/H of oil per TSM 5434 DTC-time.
				NOTE: AD 96-12-07 WAGNETO impulse Coupling Due Every 500hr Again @ 2,348.24hr
				c/w AD 76-07-12 WAGNETO Switch By function test Due Every 100hr Again @ 2,448.24hr
				c/w AD 95-26-13 oil Cooler Hoses New Hoses Due Every 100hr Again @ 2,448.24hr. {REPAIR BY 06-2009 on 3,348.24hr
				I certify THAT I HAVE INSPECTED THIS ENGINE in ACCORDANCE WITH A 100hr INSPECTION AND DETERMINED IT TO BE in an AIRWORTHY CONDITION THIS DATE. T. J. McEllan #72329157



YEAR 01 DATE	RECORDING TACH TIME	TODAY'S 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.)
June 5 <sup>th</sup> 2001	TAC: 2348.24h			TSMON: 000.00h TSN: 2,348.24h CHECKED APPLICABLE AD NOTES THRU 01-08. I certify THAT I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED IT TO BE IN AN AIRWORTHY CONDITION THIS DATE. T.D. McEllen A/P2329157JA
NOTE: UPDATED AD LIST IN BACK OF LOG →				
6/8/01	2350.70			OIL & FILTER CHANGED WITH A/S 100W/50WT. 12 QTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER
7/23/01	2373.98			OIL & FILTER CHANGED WITH A/S 100/50WT. 12 QTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER

YEAR 01 DATE	RECORDING TACH TIME	TODAY'S 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.)
11/21/01	2406.46			OIL & FILTER CHANGED WITH A/S 100W/50WT. 12 QTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER
3/28/02	2452.00			OIL & FILTER CHANGED WITH A/S 100W/50WT. 12 QTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER



YEAR 2002 DATE	RECORDING TACH TIME	TODAY'S 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.)
July 2 <sup>nd</sup> 2002	TAC: 2488.14hr		TSMOH: 139.90hr	CHANGED oil and filter (Kendall 50wt. Det. CH-4 103/100) (Kendall 50wt. Det. CH-4 103/100) CHANGED Air filter Element BURETT p/p: 2905. CLEANED all fuel system SCREENS. Installed New fuel GASOLATOR Band. GASKET. WASHED Engine and combustion. Checked WIRELESS to Engine timing Compression tests: #1 73/90 2 73/90 3 76/90 4 78/90 5 77/90 6 78/90 CHECKED all Engine Controls for proper operation all intake and Exhaust Components for leakage. Installed New Breather line & Hose with 4-6000-16 Adjusted Hose Routing and tie wrapped as required. Replaced up new 1/4" Rear Engine Baffle card. Installed alternator. Replaced front K&F fuel filter p/p: 2905. Serviced Hubs. C/w all 100 hr and annual inspection items per Piper Service Manual. All work done in accordance with Piper Service Manual and FAA AC 43.13-1B as appropriate.
c/w AD 95-26-13	OC C/w			Visual inspection of hose inspection due every 100hr Again @ 2539.14
c/w AD 76-07-12	Revised			Revised 100hr Serv. B/p inspection test due every 100hr Again @ 2539.14hr
Continued Next PAGE				

YEAR 2002 DATE	RECORDING TACH TIME	TODAY'S 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.)
July 2 <sup>nd</sup> 2002	TAC: 2488.14hr		TSMOH: 139.90hr	(From previous page) Note: AD 96-12-07 WAGNER Impulse Coupling due every 500hr Again @ 2848.24hr Note: AD 00-18-53 Loss of Engine oil superseded to AD 02-12-07 Note: AD 02-12-07 Prevent Loss of Engine oil p/c/w @ Engine S/H of 04-2001 <sup>Part 101 MSB</sup> <sup>2543H</sup> <sup>one-time</sup>
				I certify that I HAVE inspected this Engine in accordance with a 100 hr inspection and determined it to be in an Airworthy Condition this DATE. T.D. Wilkin A/P 2329157
July 2 <sup>nd</sup> 2002	TAC: 2493.14hr		TSMOH: 139.90hr	CHECKED applicable AD NOTED thru 02-13. I certify that I HAVE inspected this Engine in accordance with an annual inspection and determined it to be in an Airworthy Condition this DATE. T.D. Wilkin A/P 2329157




YEAR 02 DATE	RECORDING TACH TIME	TODAY'S 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.)
11/14/02	2533.09		014	OIL & FILTER CHANGED WITH A/S 100W/50WT. 10 QUARTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER
3/24/03	2577.45		014	OIL & FILTER CHANGED WITH A/S 100W/50WT 10 QUARTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER
8-1-03	2617.35			TSMOH 269.11 Performed differential compression check all cylinders as follows #1 75/80 #2 76/80 #3 77/80 #4 77/80 #5 77/80 #6 77/80 Changed oil & oil filter. Replaced all twelve spark plugs Checked all A/D's to Data Done due at this time. I certify I have inspected this engine per an annual inspection and determined it to be in Airworthy Condition. This engine is approved for Return to Service.
				L W Ziegler A&P, IA 2758645

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
8/1/03	2617.35			REPLACED STARTER DRIVE, AIR FILTER & ENGINE HEAT SHROUD S.N. OWNER
12/4/03	2661.93			OIL & FILTER CHANGED WITH A/S 100W PLUS/50WT 10 QTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER
7/5/04	2705.61			OIL & FILTER CHANGED WITH A/S 100 PLUS/50WT 10 QTS, CH 48103 FILTER, WASHED ENGINE, TEST RUN, NO LEAKS, S.N. OWNER

Sept 13 2004  
Tach 2712.52

Performed Differential compression check all Cylinders as follows #1 75 /80 #2 76 /80  
#3 77/80 #4 77/80 #5 77/80 #6 77 /80 . Cleaned and gapped all twelve spark plugs.  
I certify I have Inspected this Engine in accordance with a Annual Inspection and  
Determined to be in Airworthy. This Engine is approved for return to service.

L W Ziegler A&P, IA 2758645

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
6/1/05	2727.98			 <b>GERDES AVIATION SERVICES</b> PROFESSIONAL AIRCRAFT SERVICES Date: <u>6-1-05</u> N# <u>8083Y</u> Tach/Hobbs: <u>2727.98</u> TT: <u>2727.98</u> <u>① REMOVED &amp; REPLACED 12 ENGINE SPARK PLUGS</u> <u>WITH NEW PN# AHM40E - CHAMPION.</u> <u>② ALL PLUGS INSTALLED / TORQUED / &amp; WIRE NUTS</u> <u>TORQUE SEALED. ③ END.</u> Signature: <u>Brian Gerdes</u> Brian Gerdes P2804735
8-22-05	2750.87			CHG OIL + FILTER. REFILL WITH 10 QT AIS 100+, ENGINE RUN, NO OIL LEAKS NOTED. <u>G. Blum A&amp;P 558605954</u>

YEAR DATE	RECORDING TACH TIME	TODAY'S 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: 10-10-2005 N8083Y TACH: 2761.49 TTAF: 2761.49 TYPE: PIPER PA28-236 SER. NO: 28-7911310 SMOH: 413.25 1. CW AD 02-26-01 BY INSPECTION F.I. LINES AND CLAMPS 2. AD 05-19-11 NA, ORIGINAL CRANKSHAFT 3. COMPRESSION CHECK, #1-78, #2-78, #3-78, #4-78, #5-78, #6-78 ALL OVER 80 PSI 4. CLEAN, GAP AND TEST ALL SPARK PLUGS 5. INSTALL NEW INDUCTION FILTER, BA 2905 6. RE SAFETY ALT ADJUST BOLT 7. CHECKED ALL CONTROLS FOR SECURITY AND TRAVEL 8. ENGINE GROUND RUN, ALL OPS NORMAL, NO OIL/FUEL LEAKS NOTED 9. PERFORM ALL REQD MAINT, INSPECTIONS AND LUBRICATION PER PIPER PA-28-236 SERVICE MANUAL/INSPECTION GUIDE DATE <u>10-10-05</u> AC <u>N 8083Y</u> I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION TOTAL TIME <u>2761.49</u> TACH <u>2761.49</u> <u>G. Blum A&amp;P 558605954</u>







YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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Date: **06-05-2006** Work Order# **M2316** Time: Tach- **2856.4** N/A  
**N8083Y PA28-236**

Engine- Time: Total Time -

Work Performed: **Engine**

1. Serviced oil and filter (12qts Aeroshell 100 & CH48103-1 filter) Leak check okay

FAA Authorization:  
**A&P#3100384**

**Erike Keene**

Signature: 

**SkyBlueAir** Inc. 50 Durley Ave. Camarillo, CA 93010 Phone: 805-987-7700 Page 1 of 1

Date: **05-11-2006** Work Order# **M2303**  
**N8083Y Piper Dakota**

Work Performed: **Engine**  
 Cleaned and Re-Gapped All Plugs.

FAA Authorization:  
**A&P#3100384**

**Erik Keene**

Signature: 

YEAR	RECORDING TACH	TODAY'S 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.)
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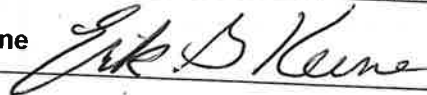
Date: **5-23-06** M2312  
**N8083Y PA-28-235** Time: Tach- **2844.84** Hobbs- **N/A**

Work Performed: **Airframe**

1. Removed pilot side R/H brake master CYL. Replaced with new Cleveland P/N 10-30.
2. Removed and replaced handbrake master CYL, installed new Cleveland P/N 10-22 gravity bled brake system.

**A&P# 3100387**

**Erik Keene**



**SkyBlueAir** Inc. 50 Durley Ave. Camarillo, CA 93010 Phone: 805-987-7700 Page 1 of 1

Date: **8-4-2006** Work Order# **M2320**  
**N8083Y PIPER DAKOTA** Time: Tach- **2892.03** Hobbs-  
 S/N:

Work Performed: **ENGINE:**

1. Removed and replaced Governor P/N: F-4-21Z S/N: EG14 and sent to SMP for leak repairs and bench checks. Installed Governor. Checked Mag timing and found to be accurate. Removed harness leads. Removed and inspected all plugs. Set gaps to mins(.16") Installed and torqued all plugs. Cleaned and stretched harness springs to reach plug depths. Installed all leads and secured. Adjusted carb mixture set screw to enrichen. All ops & leak checks good. Aircraft returned to service.

All work performed I/A/W 0-540 MM

FAA Authorization:  
**A&P#5640651131A**

**John Kaness**

Signature: 







YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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Date: 02/11/2009 Model PA28-236 <sup>80834</sup> N70686 SN#28-7911310  
Tach Time: 3077 TT: 729.0

Annual inspection.

Spark plugs cleaned, gapped, and reinstalled with new gaskets M674-AN4027-1. Mag timing checked (set to 23 deg.), Fuel lines inspected.

Compression: #1: 77/80 #2: 77/80 #3: 78/80 #4: 78/80 #5: 78/80 #6: 78/80.

Exhaust gaskets replaced on cylinders 1,3,5. (RA 77611)

AD 2008-19-05; Cylinder Head cracking; N/A, ECI Cyl's not installed this A/C

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

*Richard D. Lewis*  
Richard D. Lewis A&P 864216-1A

9-10-09	3104			Oil changed, 10 QTS AEROSHELL W100 ADDED. Champion FILTER 48103-1 INSTALLED. Old Filter cut open - No Foreign debris found. AIRCRAFT EXTRAS Low Oil Level Warning SYSTEM INSTALLED I.A.W. MANUFACTURERS INST. GRD. OPS. CHECK O.K. <i>Michael Piontek</i> A & P 3091628
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YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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10/23/09 3108  
Repaired Right Magneto Capacitor  
WIRE w/ new SPARE Connector. Mag.  
CHECK OK on ground run.  
*Michael Piontek* A & P 3091628

<sup>80834</sup>  
Date: 01/10/2010 Model PA28-236 N70686 SN#28-7911310  
Tach Time: 3115.0

Aero-lite ignition harness #A64-10BS installed i.a.w. manufacturers instructions.  
Both ignition capacitors, P/N *ZM10-400576* replaced i.a.w. piper service  
manual. Engine ops check good.

*Michael Piontek*  
Michael Piontek A&P 3091628



YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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Date: 03/19/2010 Model PA28-236 N70686 SN#28-7911310  
Tach Time: 3119.5 TT: 771.5

100 hour inspection.

Spark plugs cleaned, gapped, and reinstalled. Mag timing checked (23 deg.), Fuel lines inspected.

Compression: #1: 79/80 #2: 79/80 #3: 78/80 #4: 78/80 #5: 78/80 #6: 78/80. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Michael Piontek A&P 3091628

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

Richard D. Lewis  
Richard D. Lewis A&P 864216-IA

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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Date: 04/01/2011 Lycoming O540-J3A5D N8083Y SN#21831-40A L-21831-40A  
Tach Time: 3162.4 TT: 814.4

Oil drained, 9 qts. Aeroshell W100 added. New Champion 48103-1 installed. Old filter cut open, no contaminants found. Spark plugs cleaned, gapped, and reinstalled. Mag timing checked (@23 deg.), Fuel lines inspected.

Compression: #1: 74/80 #2: 75/80 #3: 77/80 #4: 77/80 #5: 77/80 #6: 78/80.

I certify that this engine has been inspected in accordance with an annual inspection per the Piper PA28-236 Maintenance Manual and was determined to be in an airworthy condition

Richard D. Lewis  
Richard D. Lewis A&P 864216-IA

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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Date: 05/14/2012 Lycoming O540-J3A5D N8083Y SN#L-21831-40A  
Tach Time: 3192.48 TT: 844.5

New Champion 48103-1 installed. Old filter cut open, no contaminants found. New Champion RHM40E spark plugs installed. New capacitor installed left mag, p/n KA10-400576. New points installed left mag, p/n 10-382585. Mag timing set & checked (@23 deg.), Fuel lines inspected. DG12 clamp installed on carb heat cable. Engine washed, ground run, and no fluid leaks observed.

Compression: #1:78/80 #2: 75/80 #3: 77/80 #4: 76/80 #5: 75/80 #6: 77/80.

I certify that this aircraft has been inspected in accordance with an ANNUAL inspection IAW the scope and detail of Part 43 Appendix D, using a Piper PA28-236 Maintenance Manual for reference and was determined to be in an airworthy condition.

AD2012-03-07, Loose Mixture Control Sleeve, N/A, HA-6 solid billet Carb. Not installed.

*Richard D. Lewis*  
Richard D. Lewis A&P 864216-1A

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MICHAEL J WATSON PO BOX 478 BOURG, LA 70343 A&E438929507  
LOG ID# 46 06-February-2013  
N8083Y S/N PIPER DAKOTA TACH 3215.6

REMOVED COWL - CHANGED OIL AND FILTER - INSPECTED ENGINE - SERVICED WITH 11 QUARTS OF AEROSHE  
WT DETERGENT OIL - WASHED DOWN ENGINE - RUN CHECKED FOR LEAKS - RE-COWLED ENGINE -

*Michael J. Watson* 2-6-13  
A&E438929507 MICHAEL J WATSON Date



YEAR 2013	RECORDING TACH TIME	TODAY'S 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.)
14 JUN 13	TACH: 3248.36			ENGINE TOTAL TIME: 3248.36 SMOH: 900.12 CHANGED oil AND oil FILTER, SERVICED WITH 11 QTS AEROSHELL 15W-50 oil AND A CH 48103-1 oil FILTER, REPLACED BRACKET BA-2905 INDUCTION AIR FILTER, CLEANED FUEL SCREENS AND DRAINED CARBURATOR BOWL. REPLACED GASCOLETOR GASKET. LUBRICATED ENGINE AND PROPELLER CONTROLS. INSPECTED EXHAUST SYSTEM FOR CRACKS AND LEAKS, CLEANED, GAPPED, TESTED, AND REINSTALLED ALL SPARK PLUGS. ENGINE COMPRESSION: #1-75/80 #2-76/80 #3-76/80 #4-76/80 #5-76/80 #6-78/80. REPLACED ENGINE SHOCK MOUNTS AND BOLTS. REPLACED oil COOLER HOSES AND FUEL PRIMER HOSE. CLEANED ENGINE. RAN ENGINE FOR OPERATIONAL AND LEAK CHECKS. OPERATIONAL CHECK GOOD, NO LEAKS NOTED AT THIS TIME. SIGNED <i>[Signature]</i> AIP18486682
	DATE 14 JUN 13	TACH TIME 3248.36	TOTAL TIME 3248.36	SMOH: 900.12
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SIGNED <i>[Signature]</i> AIP18486682 IA				

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
2/7/2014	HM-3294.02	ETT-3294.09	ETSMOH-945.85	100 hr/Annual Inspection Compression test: 78, 77, 79, 78, 78, 77/80 Removed all sparkplugs, inspect, clean, gap and reinstall all sparkplugs. Checked both magnetos timing to 23 degrees. Inspected intake and exhaust systems. Inspected engine intake filter. Check all belts, hoses, and engine mount for condition and wear. Ran engine to full power and checked all systems. All checks were normal at this time. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. This engine is returned to service. Charles Schandelemeier, IA3575997
8-29-14	3426			change oil & filter, cut filter no metal found. Returned to service. Test Run no Leaks JD Ward 3056983 AIP
2-27-15	3536			change oil & filter cut no metal clean 2600 plugs JD Ward
I certify that this aircraft/engine/prop has had a 100 hr inspection (Annual) per CFR 43.13 append D and found in airworthy condition. All AD's 78 complied with. Signed JD Ward Cert# 3056983 A & P/IA Date 2-27-15				

I CERTIFY THAT THIS Engine HAS  
BEEN INSPECTED IN ACCORDANCE WITH A  
100 hr/Annual INSPECTION AND WAS FOUND  
TO BE IN AIRWORTHY CONDITION.  
*[Signature]*

This tag certifies that Sky-Tec Model No. 149-NL  
Serial No. FN-431466 was manufactured new on 27 Oct 2014  
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW  
Supplement No. 7 in accordance with Sky-Tec's  
FAA-Approved Quality System (14CFR Part 21, Subpart K).  
This article has been determined to be airworthy.  
For installation eligibility see www.skytecair.com/eligibility.htm  
Starter Installed on N 8083Y by J. J. Ward  
(Aircraft) (Mechanic)  
3056983 A4

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
5-15-15	3564		
9-10-15	new time <del>0000</del>	old tach 3592	
11-30-15	22		1266
3-1-16	0045		1289

new fact instg lld

Oil & filter charge. S. filter cut no metal  
noted. Re filled multi wt 20/50. Jet Run no  
leaks. Returned to service. In Wagon 3056983A-F

I certify that this ~~aircraft/engine/prop~~ has had a  
100 hr inspec. (Annual) per CFR 43.13 and found in airworthy condition. All AD's  
complied with. 76  
78  
77  
?

Signed JD Ward  
 Cert# 3056983 A & P/IA  
 Date 3-1-16

72

[illegible]

Oil filter change. Filter cut no metal found.  
Fill with Phillips 100W OK for station to service.  
In Wond 3056983 *ABP*



N8083Y Model: Lycoming O-540-J3A5D S/N

Date: 3/10/2017 Tach: 177.5 SMOH: 1421.5 TTE: 3769.8

Performed Annual Inspection I.A.W. FAR 43 App 'D'. Performed Compression Test With The Following Results: 1) 72/80 2) 70/80 3) 69/80 4) 72/80 5) 62/80 6) 70/80. Clean and gapped plugs, Replace 7, Tighten oil return lines, Tighten alternator belt, Replace muffler and all exhaust gasket. I Certify That This Airframe Been Inspected In Accordance With F.A.R. Part 43 Appendix (D) (scope and detail of items) Annual, Inspection and Was Determined To Be in Airworthy Condition.

Allan Walewski  
A3056984 !A



YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
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8/24/17

N8083Y TACH: 0208.9 DATE: 08/24/17

DRAINED OIL, INSPECTED & CLEANED OIL SCREEN, REPLACED OIL FILTER P/N AA48103-2, SERVICED WITH 12QTS. PHILLIPS 100AW ENGINE OIL. CLEANED, TESTED, GAPPED & ROTATED LOWER SPARK PLUGS. WASHED ENGINE & COMPARTMENT, INSPECTED ALL CONTROL CABLES, EXHAUST, HOSES, ENGINE MOUNTS & STRUCTURE.

 3867341 AIP  
AEROMECHANIX SAN DIEGO, CA

N8083Y TACH:222.1 TSMO:1466.1 DATE:04/16/18  
DRAINED OIL, REPLACED FILTER CH48103-1. SERVICED ENGINE WITH 12 QTS AERO-SHELL W100 OIL. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING, PERFORMED DIFF. COMPRESSION TEST. "SEE ATACHED AD LIST"  
#1=76/80 #2=74/80 #3=78/80 #4=72/80 #5=77/80 #6=78/80  
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

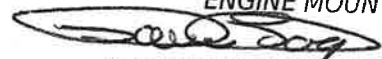
 AIP 2708500  
AEROMECHANIX SAN DIEGO, CA

YEAR	DATE
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N8083Y TACH:240.9 DATE:09/11/18  
INSTALLED NEW VERN-A-THERM P/N SL53-E-19600 & OIL PRESSURE REGULATOR SPRING. FLUSHED OIL COOLER & SEALED BAFFELING.

 AIP 2708500  
AEROMECHANIX (KMYF) SAN DIEGO, CA

N8083Y TACH:249.7 DATE:11/13/18  
DRAINED OIL, INSPECTED & CLEANED OIL SCREEN, REPLACED OIL FILTER P/N CH48103-1, SERVICED WITH 12 QTS. PHILLIPS . CLEANED, TESTED, GAPPED & ROTATED LOWER SPARK PLUGS. REPLACED LOWER SPARK PLUG GASKETS 07-00877, OIL COOLER 8000074-9 & TESTED FUEL PRESSURE. WASHED ENGINE & COMPARTMENT, INSPECTED ALL CONTROL CABLES, EXHAUST, HOSES, ENGINE MOUNTS & STRUCTURE.

 AIP 2708500  
AEROMECHANIX (KMYF) SAN DIEGO, CA

N8083Y TACH:240.9 DATE:09/11/18

INSTALLED NEW VERN-A-THERM VALVE P/N SL53E19600, OIL PRESSURE REGULATOR SPRING & ADJUSTED TO 75LBS. CLEANED OIL COOLER, REPLACED BAFFELING AS REQUIRED.

 AIP 2708500  
AEROMECHANIX (KMYF) SAN DIEGO, CA

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**N8083Y TACH:256.7 TSMO:1500.7 DATE:04/05/19**

CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS REPLACED SPARK PLUG GASKETS 07-00877. CHECKED MAG TIMING, PERFORMED DIFF. COMPRESSION TEST. RESEALED ENGINE BAFFLEING WITH SILICONE SEALER. "SEE ATACHED AD LIST"

#1=72/80 #2=76/80 #3=76/80 #4=76/80 #5=78/80 #6=79/80

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

  
**AEROMECHANIX (KMYF) SAN DIEGO, CA**

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ENGINE MODEL: **GARMIN** Repair Station No. 9GTR079B  
O-540-J3A5D 2345 Turner Rd SE  
ENGINE S/N: Salem, OR 97302  
L-21831-40A  
REG. NO: N8083Y  
WORK ORDER:  
17586

DATE: 7/9/2019  
A/C TSN: 3860  
ENG TT: 3860  
TSMOH: 1512  
TACH: 268

**Engine Entries**

- (11) Removed #3 cyl intake tube, cleaned and inspected and then re-installed #3 cyl intake pipe with new Gasket P/N 7193 and new Intake Hose P/N 69603. Re-installed #3 cyl Primer line and secured line to Intake tube IAW Lycoming OM 60294-7 Rev July 2011.
- (12) Removed #5 cyl intake tube, cleaned and inspected, re-installed #5 cyl intake pipe with new Gasket P/N71973 and new Intake Hose P/N 69603 and re-installed #5 cyl Primer line and secured line to Intake tube IAW Lycoming OM 60294-7 Rev July 2011.

I certify the article identified above has been inspected and determined to be airworthy with respect to the work performed.

DATE: 7/9/2019

SIGNED:

StonebergM  
Certified Repair Station No. 9GTR079B

Mitchell Stoneberg  
cm=Mitchell Stoneberg, o=Garmin AT,  
ou=9GTR079B,  
email=mitchell.stoneberg@garmin.com, c=US  
2019.07.09 16:24:48 -07'00'

Work Order: 17586

Printed by EBis 3 (datcomedia.com)

**N8086Y TACH:325.5 TSMO:1569.0 DATE:05/10/2020**

DRAINED OIL, REPLACED FILTER AA48103-2. SERVICED ENGINE WITH 11 QTS PHILLIPS 100 A/W OIL & CAM GUARD. INSTALLED SUCTION PUMP COVER PLATE & GASKET. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS REPLACED SPARK PLUG GASKETS 07-00877. CHECKED MAG TIMING, PERFORMED DIFF. COMPRESSION TEST. "SEE ATACHED AD LIST"

#1=71/80 #2=76/80 #3=74/80 #4=71/80 #5=76/80 #6=71/80

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

  
**AEROMECHANIX (KMYF) SAN DIEGO, CA**

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**N8083Y TACH:342.1 DATE:08/03/20**

REPLACED ALL INTAKE GASKETS P/N 71973, REPLACED #124&6 INTAKE COUPLINGS P/N 69603. INSTALLED NEW GASCOLATOR P/N 3715-803.

  
**AEROMECHANIX (KMYF) SAN DIEGO, CA**

**N8083Y TACH:362.1 DATE:0108/21**

DRAINED OIL, INSPECTED & CLEANED OIL SCREEN, REPLACED OIL FILTER P/N AA48103-2, SERVICED WITH 12 QTS. PHILLIPS X/P 20/50. CLEANED, TESTED, GAPPED & ROTATED LOWER SPARK PLUGS. REPLACED LOWER SPARK PLUG GASKETS 07-00877. WASHED ENGINE & COMPARTMENT, INSPECTED ALL CONTROL CABLES, EXHAUST, HOSES, ENGINE MOUNTS & STRUCTURE.

  
**AEROMECHANIX (KMYF) SAN DIEGO, CA**

YEAR

DATE

N8083Y

TACH:384.7

TSMO:1628.0

DATE:07/01/2021

DRAINED OIL, REPLACED FILTER AA48103-2. SERVICED ENGINE WITH 10 QTS PHILLIPS 20/50 OIL. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS REPLACED SPARK PLUG GASKETS 07-00877. REMOVED MAGNETO FOR 500 HR SERVICE & REPAIR, REINSTALLED & SET MAG TIMING, PERFORMED DIFF. COMPRESSION TEST.  
#1=71/80 #2=72/80 #3=65/80 #4=65/80 #5=64/80 #6=77/80  
"SEE ATTACHED AD LIST"

I CERTIFY THAT THIS **ENGINE** HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION**, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

  
AEROMECHANIX (KMYF)

3753 JOHN J. MONTGOMERY DR. SAN DIEGO, CA F.R.S #8PER976B

N8083Y

TACH:429.2

DATE:04/22/2022

- INSTALLED OIL FILTER ADAPTER PLATE P/N 54E29093 IAW MSB 543C.
- INSTALLED NEW OIL FILTER AA48103-2.
- REPLACED OIL TEMP TRANSMITTER CRUSH GASKET AN900-10.
- REPLACED OIL RETURN TUBES @#2 & 4 CYLINDER.

  
PERSONAL PLANE TECH INC, DBA

Aeromechanix

3753 JOHN J. MONTGOMERY DR. SAN DIEGO, CA F.R.S #8PER976B

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YEAR

DATE

N8083Y

TACH:430.1

DATE:05/26/2022

- REMOVED & INSTALLED OVERHAULED #2 CYLINDER LW-13870 S/N 113612-16. INSTALLED OIL PRESSURE RELIEF SPRING SL68668, EXHAUST GASKETS RA-77611, CYLINDER GASKET & SEAL SET SL12032-SC, VALVE COVER GASKET RG75906-SP & IOL SCREEN CRUSH GASKET AN900-19. PERFORMED TEST FLIGHT, INSPECTED & RETURNED TO SERVICE.

  
PERSONAL PLANE TECH INC, DBA

Aeromechanix

3753 JOHN J. MONTGOMERY DR. SAN DIEGO, CA F.R.S #8PER976B

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N8083Y

TACH:4033.0

TSMO:1685.0

DATE:08/01/2022

PERFORMED RUN-UP TEST, CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS REPLACED SPARK PLUG GASKETS 07-00877. REMOVED #5 INTAKE TUBE, SERFACED COUPLING & REINSTALLED WITH NEW GASKT 71973. BORESCOPED ALL CYLINDERS APPEAR NORMAL AT THIS TIME. CHECKED MAG TIMING, PERFORMED DIFF. COMPRESSION TEST.

#1=75/80 #2=76/80 #3=71/80 #4=76/80 #5=79/80 #6=76/80

"SEE ATTACHED AD LIST"

I CERTIFY THAT THIS **ENGINE** HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION**, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

  
PERSONAL PLANE TECH INC, DBA

AEROMECHANIX (KMYF)

3753 JOHN J. MONTGOMERY DR. SAN DIEGO, CA F.R.S #8PER976B



N8083Y

TACH:452.0

DATE:11/08/2022

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- DRAINED OIL & COLLECTED SAMPLE FOR LAB ANALYSIS.
- CLEANED & SERVICED OIL SCREEN, REPLACED CRUSH GASKET AN900-20
- REPLACED OIL FILTER P/N AA48103-2, SERVICED WITH 12 QTS.
- PHILLIPS VICTORY 20/50.
- CLEANED, TESTED, GAPPED & ROTATED LOWER SPARK PLUGS.
- REPLACED SPARK PLUG GASKETS 07-00877.
- INSTALLED NEW #6 INTAKE TUBE GASKET 71973
- WASHED ENGINE & COMPARTMENT, INSPECTED ALL CONTROL CABLES, EXHAUST, HOSES, ENGINE MOUNTS & STRUCTURE.

PERSONAL PLANE TECH INC, DBA

AEROMECHANIX (KMYF)

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ENGINE		
Aeromechanix		
3753 John J. Montgomery Drive, San Diego, CA 92123		
WO#: Y-2473	M&M: LYCOMING O-540J3A5D	Tach:473.6 Hobbs:N/A
Reg#: N8083Y	S/N L-21831-40A	SMOH:1717.0
I CERTIFY THAT THIS <b>ENGINE</b> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <b>ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</b>		
RESEALED ENGINE BAFFELING AS REQ.		
RE-RIGRD MIXTURE CONTROL LINKAGE		
INSTALLED OIL PRESSURE SPRING & SET TO SPEC.		
COMPRESSION TEST .. 1=73/80 2=77/80 3=75/80 4=77/80 5=76/80 6=78/80		
BLACKSTONE OIL ANALYSIS		
CHAMPION OIL FILTER CH48103-1		
COPPER SPARK PLUG GASKET M674		
PHILLIPS 66 VICTORY AVIATION OIL 20W50		
LW11713 OIL PRESSURE SPRING		
David Long A&P IA 2708500		

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YEAR

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ENGINE

Aeromechanix

3753 John J. Montgomery Drive, San Diego, CA 92123

WO#: Y-2741 M&amp;M: LYCOMING O-540J3A5D Tach:489.6 Hobbs:

Reg#: N8083Y S/N L-21831-40A

INSTALLED NEW #6 INTAKE TUBE, FLANGE, COUPLING &amp; GASKET

OVERHAULED PRIMER, GASCOLATOR &amp; CLEAN INJECTOR NOZZLES

SWAP MAP HOSE FROM #6 TO #4 &amp; BACK. CHECK MAP SYSTEM FOR LEAKS

TEST SPARK PLUGS &amp; REPLACE 5-EA

71973 GASKET (OSP)

73346 FLANGE (OSP)

70485 TUBE (OSP)

99603 COUPLING (OSP)

LW15592-8-28 CLAMP (OSP)

MS29513-012 "O" RING

URHM-40-E SPARK PLUG

F.R.S. #8PER976B Signature: David Long A&amp;P IA 2708500

02/02/2024

ENGINE

Aeromechanix

3753 John J. Montgomery Drive, San Diego, CA 92123

WO#: Y-2820 M&amp;M: LYCOMING O-540J3A5D Tach:498.2 Hobbs:

Reg#: N8083Y S/N L-21831-40A


REMOVED MAGNETO &amp; INSTALLED SPARE MAGNETO &amp; CAPACITORS. (N/C)

D6LN-2021 MAGNETO P/N 10-382560-00 S/N 20491 (N/C)

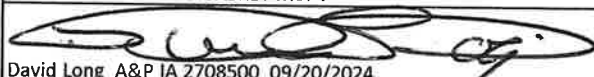
F.R.S. #8PER976B David Long A&amp;P IA 2708500

04/05/2024

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or specific entries.)

YEAR	RECORD	ENGINE
DATE	TACH	Aeromechanix
	TIME	3753 John J. Montgomery Drive, San Diego, CA 92123
		WO#: Y-2939 M&M: LYCOMING O-540J3A5D Tach:503 Hobbs:
		Reg#: N8083Y S/N L-21831-40A SMOH: 1747
		50 HOUR INSPECTION PERFORMED...
		•DRAINED OIL & COLLECTED SAMPLE FOR LAB ANALYSIS.
		•CLEANED & SERVICED OIL SCREEN, REPLACED CRUSH GASKET AN900-22
		•REPLACED OIL FILTER P/N AA48103-2, SERVICED WITH 9 QTS. PHILLIPS 20W50 X/C.
		•CLEANED, TESTED, GAPPED & ROTATED LOWER SPARK PLUGS.
		•REPLACED SPARK PLUG GASKETS 07-00877.
		•WASHED ENGINE & COMPARTMENT, INSPECTED ALL CONTROL CABLES, EXHAUST, HOSES, ENGINE MOUNTS & STRUCTURE.
		ADJUSTED OIL PRESSURE TO SPEC.
		BLACKSTONE OIL ANALYSIS
		PHILLIPS 66 X/C AVIATION OIL 20W50
		TEMPEST AA48103-2 OIL FILTER
		COPPER SPARK PLUG GASKET M674
		AN900-22 (MS35769-35) COPPER GASKETS - CRUSH WASHERS
		WASHERS: AN960-416
		WASHERS: AN960-416L
		OIL RECYCLE FEE
		
		F.R.S. #8PER976B: David Long A&P IA 2708500 7/10/2024

**Repairs and Alterations**  
and Certificate Number of  
s for other specific entries.)

YEAR	RECORDING	ENGINE
DATE	TACH	Aeromechanix
	TIME	3753 John J. Montgomery Drive, San Diego, CA 92123
		WO#: Y-3027 M&M: LYCOMING O-540J3A5D Tach:506 Hobbs:
		Reg#: N8083Y S/N L-21831-40A SMOH: 1750
		INSPECTION PERFORMED...
		•REPLACED SPARK PLUG GASKETS 07-00877.
		I CERTIFY THAT THIS <b>ENGINE</b> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <b>ANNUAL</b> INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		INSTALLED NEW CYLINDER OIL RETURN TUBES
		INSTALLED NEW FUEL CAP GASKETS, RE-RIG MIXTURE, THROTTLE CONTROLS, REINSTALL STAND-OFF & SAFETY. RELIGNED ENGINE AT MOUNT.
		COMPRESSION TEST .. 1=75/80 2=76/80 3=78/80 4=78/80 5=76/80 6=78/80
		MIL 6000 OIL TRANSFER TUBING
		COPPER SPARK PLUG GASKET M674
		
		David Long A&P IA 2708500 09/20/2024

**Repairs and Alterations**  
Certificate Number of  
r other specific entries.)

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of repair Facility. (See back pages for other specific entries.)

# ENGINE

Aeromechanix

3753 John J. Montgomery Drive, San Diego, CA 92123

WO#: Y-3572 M&M: Lycoming O-540J3A5D Tach: 520.6 Hobbs:

Reg#: N8083Y S/N L-21831-40A SMOH: 1764.6

## INSPECTION PERFORMED...

- DRAINED OIL & COLLECTED SAMPLE FOR LAB ANALYSIS.
- CLEANED & SERVICED OIL SCREEN, REPLACED CRUSH GASKET AN900-16
- REPLACED OIL FILTER P/N AA48103-2, SERVICED WITH 9 QTS. PHILLIPS 100A/W. ADDED 1QT CAM GUARD.
- CLEANED, TESTED, GAPPED & ROTATED LOWER SPARK PLUGS.
- REPLACED SPARK PLUG GASKETS 07-00877.

I CERTIFY THAT THIS **ENGINE** HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL** INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

## Work Completed on 10/2/2025

INSTALLED CARB TEMP PROBE. PIN TO HARNESS & PROGRAM TO SPEC.

INSTALLED NEW #4 VALVE COVER GASKET.

COMPRESSION TEST ... 1=69/80 2=71/80 3=71/80 4=72/80 5=71/80 6=73/80

BLACKSTONE OIL ANALYSIS

TEMPEST AA48103-2 OIL FILTER

COPPER SPARK PLUG GASKET M674

PHILLIPS 66 X/C AVIATION OIL 20W50

CAMGUARD AVIATION OIL ADDITIVE

RG-75906 VALVE COVER GASKET

400128 CARB INLET TEMP. PROBE (J.P.I.)

David Long A&P IA 2708500