

Engine Record General Information

#2

Manufacturer Lycoming (Williamsport, Penna) Model TIO-540-SIAD

Serial L-5589-61A Type Certificate E14EA

This engine is currently installed in aircraft: N134CH

Minimum Octane Fuel 100 Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

Trevor Smith
TREVOR SMITH
Date 1-16-06

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.)
10-8-05	2493.46			<p>Installed Overhaul May: Annex by Quality Aircraft servicing pt 10-683560-3 S# I 230533 GR AD CWO 2005-12-6 MSB CWO 645 See yellow tag below 09-29-05 Ops checked no discrepancies. Changed oil & filter See CH 48-103 5 10gls oil & Aeroshell 100- substituted 'leak checked filter. [Signature] APPS20061030</p>

Tech Aero Avionic Systems, LLC. 2080 Skylane Hangar E4 Denton, TX 76207 QRS# JYJR029Y
 LOG ID# 627 16-January-2006 WOC# 1601/1 REF# 1601
 N134CH S/N 32R7887138 PIPER PA-32RT-300T

**** ITEM # 1601-1 INSTALL GNS-430 *****
 ACTION: REMOVED: KX-155 P/N 069-1024-01 S/N 50103
 INSTALLED GNS-430 IAW INSTALLATION MANUAL #190-00140-02 REV Q, 10/2005
 FOR DETAILS, SEE FAA FORM 337 DATED 1/13/2006 ON FILE AT THIS REPAIR STATION


**** ITEM # 1601-2 INSTALL GMA-347 *****
 ACTION: INSTALLED GMA-347 IAW INSTALLATION MANUAL #190-00325-01 REV A, 10/2005
 FOR DETAILS, SEE FAA FORM 337 DATED 1/13/2005 ON FILE AT THIS REPAIR STATION

**** ITEM # 1601-3 INSTALL GTX-327 *****
 ACTION: INSTALLED GTX-327 TRANSPONDER IAW INSTALLATION MANUAL #190-00187-02 REV K, 1/2005
 FOR DETAILS, SEE FAA FORM 337 DATED 1/13/2005 ON FILE AT THIS REPAIR STATION

Annex *Smith*
 JYJR029Y TREVOR SMITH Date 1-16-06

YEAR	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.)

May 21, 2006 Tach and Total Time 2542.57 hrs. TSMOH 804.2
 Completed 100 hour inspection this date per Piper Checklist 09-20-86 all applicable items completed. Checked AD's through issue 2006-09. Compression Check #1 78/80 #2 72/80 #3 70/80 #4 74/80 #5 78/80 #6 78/80 Replaced rocker Box Casket #3 Cyl. Replaced manifold pressure line engine to firewall. Repaired intake air box. Pressure checked exhaust system See AD. Replaced and safetied alternator pivot bolt. Repaired air filter mounting bracket. Dressed and painted propeller. Reinstalled with proper orientation wear strip on hub. Cleaned, gapped, rotated and installed spark plugs. Magneto timing checked. Drained oil removed and inspected oil filter no discrepancies found. Installed CH48103 filter and safetied serviced 12 quarts of Aeroshell 15W50. Cleaned Fuel system screen cleaned and flowed injectors. Cleaned engine and lubed controls. I certify this engine has been inspected in accordance with a 100 Hour inspection and found in air-worthy condition this date.


 Jay Parker
 AP 522061680

May 21, 2006 Tach and Total Time 2542.57 hrs TSMOH 804.2. Completed 100 hour inspection this date. Checked AD's through issue 2006-09. I certify this engine has been inspected in accordance with an Annual Inspection as was determined to be in airworthy condition.


 Don Becklin
 AP/IA 510620412

N134CH Engine

YEAR RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations

July 1, 2007 Tach and Total time 2597.25 TSMOH 858.88
 Completed 100 Hour inspection this date per Piper Checklist 09-20-86 all applicable items completed. Checked AD's through 2007-13. See recurring AD List in Aircraft Folder.
 Compression check #1 76/80 #2 74/80 #3 75/80 #4 71/80 #5 78/80 #6 74/80. Installed rebuilt P/N LW16858 exhaust transition valve overhauled by Aerospace Welding Minneapolis, Inc on work order 99055 Torqued V-band clamps, safetied and inspected per SB 448A. Installed new compressor idler bearing P/N 99080-00 and alternator idler bearing P/N 99072-02. Replaced rocker box gaskets as needed with P/N 71450. Replaced oil filter with CH 48103 and 12 Qts Aeroshell 15W50. Cleaned and gaped and rotated spark plugs, cleaned fuel system screens. Installed the following oil lines P/N 124F003-8CR0266, P/N 124F001-8CR0210 P/N 124D0028SS0186 and P/N 124D0036SS0262. Cleaned engine and lubed controls. I certify this engine has been inspected in accordance with a 100 Hour inspection and found to be in airworthy condition this date.



Jay Parker
 AP522061680

July 1, 2007 Tach and Total time 2597.25 TSMOH 858.88 Completed 100 Hour inspection this date. Checked AD's through 2007-13. I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Don Rankin

 AP/IA 510620412

N134CH Engine

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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September 15, 2008 *AP* Tach and Total Time 2617.22hrs. TSMOH 878.88
 Completed 100 hour inspection this date per Piper Checklist 09-20-86 all applicable items completed. Checked AD's through issue 2008-22. Compression Check #1 72/80 #2 76/80 #3 76/80 #4 78/80 #5 72/80 #6 78/80 checked and adjusted Magneto timing to 20 Deg BTC. Dressed propeller. Cleaned, gapped, rotated and installed spark plugs. Replaced lard mounts torqued bolts to 475 lb/in Drained oil removed and inspected oil filter no discrepancies found. Installed CH48103 filter and safetied serviced 12 quarts of Aeroshell 15W50. C/W AD 2008-14-07 by inspection of clamps per MSB N 342E due next inspection at 2717.2 hrs. AD 2008-08-14 N/A due to date of fuel servo overhaul. Cleaned Fuel system screen. Cleaned engine and lubed controls. Replaced turbo waste gate rod-end and hardware. Replaced misc ignition cable grommets. Washed engine Operation checked engine no discrepancies found. I certify this engine has been inspected in accordance with a 100 Hour inspection per PN 761 641 manual Section 3, and found in airworthy condition this date.

Jay Parker
 Jay Parker
 AP 522061680

September 15, 2008 *AP* Tach and Total Time 2617.22hrs - TSMOH 878.88. Completed 100 hour inspection per PN 761 641 manual Section 3, this date. Checked AD's through issue 2008-22. I certify this engine has been inspected in accordance with an Annual Inspection as was determined to be in airworthy condition.

Don Rankin
 Don Rankin
 AP/IA 510620412

NI34CH Engine

Alterations
 Number of
 (ic entries.)


Checked AD's
 /80 checked and
 park plugs.
 epanices found.
 by inspection of
 servo overhaul.
 and hardware.
 found. I certify
 ction 3, and

inspection per
 as been

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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27 July 2010 Tach Reads 2620.78 - TSMOH 882.44 This aircraft has been inspected in accordance with inspection form per PN 761641 Manual Section 3. Cleaned and gapped spark plugs.. Checked Magneto timing. Compression test #1 76/80 #2 78/80 #3 76/80 #4 72/80 #5 72/80 #6 78/80. Replaced #5 Rocker cover gasket. Installed new Bracket filter element #BA9010 due next replacement @ 2720.78 or next annual. Cleaned engine and cowling. Engine run completed no discrepancies found. Ads checked through Bi weekly 2010-15.

I certify this engine has been inspected in accordance with a 100 hour inspection and found to be in airworthy condition this date.


 Jay A. Parker
 AP 522061680

N134CH Engine

27 July 2010 Tach Reads 1904.1 - TSMOH 882.44 This aircraft has been inspected in accordance with inspection form per PN 761641 Manual Section 3. Ads checked through Bi weekly 2010-15.
I certify this engine has been inspected in accordance with an Annual Inspection and found to be in airworthy condition.


 Don Rankin
 IA 510620412

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.)
07-24-12	2635.58	RSMK	2635.58	oil & filter changed, cut open R/R found metallic bonded copper (thrust) plugs replaced (plug with rib wire), torqued. Insurhardin filler. Formone air box To fus ball, ball. Lamin plug. Saw used in 9 A's Bussell 10514 + R/R's (445107.1) Minor brake repair & replaced missing screws. Ram exhaust shield, Miss Eng. Report + check main ops. Comp. 11/22, 11/23, 11/24, 11/25 11/26, 11/27 & 11/28
				I certify that the <u>aircraft</u> has been inspected in accordance with a <u>published</u> inspection and,
				Determined to be in operating condition
				Aircraft total time: <u>2635.58</u>
				<u>Andrew E. Williams</u> Crew Chief
				SA 6 9 10553024

ate Number of
specific entries.)

US Aviation Group, LLC 4700 John Carrell Denton, TX 76207
LOG ID# 12902 23-May-2013 WO# 13817
M134CH SN 32R-7887138 PIPER PA-32RT-300T TACH 2646.2 TSMOH 907.9 Pg 1 / 1
TIO-540-S1AD 907.9

Compression 1 74/80 2 74/80 3 78/80 4 70/80 5 76/80 6 78/80. Drained oil, inspected oil
filter, installed new oil filter, inspected oil suction screen, and serviced with 12 quarts of 15W50
Aeroshell. Cleaned fuel injection nozzles. Replaced all upper deck hoses and seals with new P/N
74493 hoses and 951391 o-rings. Replaced #3 and #4 intake gaskets with new P/N 71973 in accordance
with the direct drive overhaul manual. Replaced induction air filter element with new P/N BA-9005
in accordance with Brackett instructions. Replaced all 12 spark plugs with new P/N RH8-37E in
accordance with Champion Service Manual. Replaced R/H upper v-band gasket and retorqued clamp in
accordance with standard practices. C/W AD 2003-14-03 par. (b) (1) by check of fuel pump relief
valve screws for torque and safety. No defects noted. Due again at 05/23/2014 or 2746.24 hours.
C/W AD 2011-26-04 by inspection of fuel injector lines for leaks and proper clamping. No defects
noted. Due again at 05/23/2014 or 2746.24 hours.
I certify that this engine has been inspected in accordance with an ANNUAL/100 hr. inspection and
was determined to be in airworthy condition.

[Signature]
Date 05/03/2013

Date

AP3409477IA Daniel J Waldschmidt

4890 Spartan Dr., Denton, TX 76207



Office: (940) 387-2193 • Fax: (940) 383-2193

Aviation

Page 1 of 2

WO#EXT:254	N#:N134CH	HOBBS:	ENGTT:2.661.86	TSMOH:923.56	PROPTT:N/A
ACTT:2.661.9	TACH:2.661.86				S/N:32R-7887138

Manufacturer: Lycoming Div. Avco Corp. Textron

Part/Model number: TIO540S1AD

S/N: 32R-7887138

2.1 Completed Annual/100 hr inspection in accordance with FAR 43 Appendix D and Piper maintenance manual.
Performed compression check results as followed #1 76/80 #2 76/80 #3 76/80 #4 74/80 #5 78/80 #6 76/80. Drained engine oil sump.
Removed oil filter and inspected filter for metal with none found at this time. Sent oil sample out for analysis. Serviced with 12 quarts of
Aeroshell 15W50 oil and a new CH48103-1 filter. Cleaned and inspected fuel nozzles. Cleaned, gaped and tested spark plugs. Lubricated
engine control cables. Removed and installed a new Induction Air Filter P/N: BA-9005. Replaced 7 ea adel clamps on upper engine
mount to exhaust shroud P/N: MS21919WDG-11. Installed spiral wrap on prop gov cable to prevent chaffing on alternator. Completed
with AD 2011-26-04 (dated 1/23/2012) inspection of fuel lines and clamps. Replaced one adel to #5 cyl P/N: MS21919WDG-2. Due
again at tach: 2761.8 or June 2015. Complied with AD 2003-14-03 (dated 8/14/2003) by visual inspection of leaks at fuel pump. No
leaks noted at this time next inspection due at Tach:2761.8 or June 2015. Performed engine ground runs and leak checked satisfactory. I
certify that this engine has been inspected in accordance with a 100 hr / annual inspection and found to be in an airworthy condition.

[Signature]
3 June 2011
A&P/IA 3048711 3 June 2011
Munimon Farris

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.)

ENGINE MODEL:
 TO-540-S1AD
 ENGINE S/N: L-5589-61A
 REG. NO. N134CH
 WORK ORDER: 0858

CFD Integration, LLC dba CFDI Aero
 4700 Spartan Drive, Hangar 102
 Denton, TX 76207
 Phone: 940-442-5232

Engine Entries

(2) This engine was inspected in accordance with FAR 43 appendix d. The following maintenance was performed. Performed differential compression check after pre-inspection run up. Compressions are as follows: #1, 80/80, #2, 79/80, #3, 78/80, #4, 66/80, #5, 74/80, #6, 78/80, ... (7) Drained oil, removed, cut and inspected filter for metal. None found at this time. Installed new oil filter P/N CH48103-1 and serviced with 12 quarts of Aeroshell 15W-50 oil. Ran engine, ops and leak checked good at this time... (8) Cleaned, gapped, tested and re-installed all spark plugs.... (9) Cleaned and reinstalled all fuel nozzles.... (10) Removed, cleaned, inspected and re-installed all fuel screens. Leak checked good.... (13) Removed existing deteriorated rocker cover gaskets, clean rocker covers and cylinder head mating surfaces. Install new gaskets P/N 71450.... (17) Installed new exhaust coupling clamp P/N 556-108.... (18) Replaced waste gate gasket from exhaust with new P/N 78083.... (20) Repaired induction air cover with fiber glass cloth & resin.... (21) Installed new seal on intercooler scoop.... (27) Replaced oil breather flexible hoses.... (28) Repositioned air scoop above magneto.... (29) Replaced #1 cylinder oil return line P/N 72702.... (30) Tightened fittings & rubber hoses clamps on all cylinders oil return lines.... (33) Replace missing hardware at #1 cylinder.... (41) Tightened #3 cylinder oil return line fitting.... (42) Washed and removed debris from intercooler... (60) Complied with AD2011-26-04 (Effective 01/25/2012) Lycoming fuel injector line inspection by inspection only. Checks good at this time. Next due: 2780.3... (64) I certify this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time. No other new or recurring AD's due at this time.

DATE: 11/10/2015 SIGNED:  Work Order: 0858
 Tim Fellegy, A&P - IA 2834940 Printed by EBIS 3 (datcommedia.com)

and Alterations
Certificate Number of
(other specific entries.)

DATE: 11/10/2015
A/C TSN: 2680.31
ENG TT: 2680.31
TSMO#: 942.01
TACH: 2680.31

Performed
#3 7/8/80, #4, 66/80,
installed new oil filter P/N
this time... (8)
Removed, cleaned,
cover gaskets, clean
coupling clamp P/N
cover with fiber glass
Repositioned air
hoses clamps on all
line fitting... (42)
forming fuel injector line
inspected in
No other new or

Work Order: 0858
Email: 3 (dialcomedia.com)

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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WYATT AVIATION SERVICES, INC.

ENGINE TSMO: 960.5
ENGINE SN: L-5389-61A

MAKE: LYCOMING
DATE: 01-12-2017

MODEL: TIO-540-SIAD
ENGINE TT: 2698.8

WORK ACCOMPLISHED:

1. COMPLETED WITH 100 HOUR/ANNUAL INSPECTION IN ACCORDANCE WITH PIPER PA32RT-300T MAINTENANCE MANUAL CHAPTER 5 AND LYCOMING SERVICE MANUAL.
2. COMPLETED WITH ENGINE OIL/FILTER CHANGE. OIL FILTER P/N: CH48103-1, SERVICED WITH AEROSHELL 15W-50 OIL AS REQUIRED. OPERATIONAL AND LEAK CHECK GOOD.
3. REMOVED ALL ENGINE FUEL INJECTORS, CLEANED, INSPECTED AND REINSTALLED SERVICEABLE INJECTORS WITH NEW SEALS; P/N: 951391. LEAK CHECK GOOD.
4. COMPLETED WITH ENGINE COMPRESSION CHECKS; #1 72/80, #2 74/80, #3 70/80, #4 70/80, #5 72/80, #6 76/80. REMOVED ALL ENGINE SPARK PLUGS, CLEANED, INSPECTED, GAPPED AS REQUIRED.
5. TIMED MAGNETOS AS REQUIRED. MAG DROP GOOD @ 50.
6. INSTALLED 5 EACH NEW ENGINE ROCKER BOX COVER SCREWS WITH NEW; P/N: 08-13228. TORQUED.
7. COMPLETED WITH A.D. 2015-19-07; INSPECTION OF ENGINE INJECTOR FUEL LINES AND CLAMPS. THIS A.D. SUPERSEDES A.D. 2011-26-04. NEXT DUE @ TT 2,798.8.
8. COMPLETED WITH A.D. 2003-14-03; INSPECTION OF FUEL PUMP @ EVERY 50 HOURS OR 6 MONTHS.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE IN REGARDS TO WORK PERFORMED.

SHAWN D. WYATT
A&P/IA #3473434



YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
7/29/17	2739.02		2739.02	CHANGED OIL & FILTER CH48103-1, 10 qts 15W-50 AeroShell oil. SENT OIL FOR ANALYSIS cut Filter for inspection. checked for leaks Sent S Lind 533604885 Pilot
9/18/17	2777.29		2777.29	CHANGED OIL & FILTER CH48103-1 10 qts AeroShell 100 50w SENT OIL FOR ANALYSIS cut Filter for inspection checked for leaks Sent S Lind 533604885 Pilot

11/01/2017 TT 2528.9 Tach 2825.9

Changed oil and filter, CH48103-1, added 10 quarts Aero shell W15W-50. Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Sent S Lind 533604885 Pilot

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

3-1, 10 qts

oil for analysis

checked for leaks

oil

103-1 10 qts

for analysis

checked for leaks

oil

W-50. Sent oil

YEAR

DATE

SLOAT AVIATION SERVICES LLC

ACFT REG: N134CH
TTE: 2867.15

Engine Model: TIO-540-SIAD
Engine S/N: L-5589-61A

Tach: 2867.15
SMOH: 1128.85

Engine Works completed: Completed annual inspection per Far 43 "D". Compression check #1-74, #2-52, #3-74, #4-68, #5-72, #6-78. Cylinder #2 exhaust leaking by valve; will check #2 compression after 3-5hrs flight time. Cleaned fuel strainers and screens. Cleaned and tested spark plugs. Replaced engine air filter with new PN- BA9005. Installed new AC compressor belt PN- Gates 11M1030. Tightened alternator belt. Completed oil change with new filter CH48103-1 and 10 qts Aeroshell 15W-50. Test ran engine with no defects noted. I certify this aircraft/engine has been inspected/repared in accordance with the current regulations of the FAA and is approved for return to service in regards to work performed.

Joseph Sloat
IA#3629653



Date: 1-12-18

SLOAT AVIATION SERVICES LLC

ACFT REG: N134CH
TTE: 2873.64

Engine Model: TIO-540-SIAD
Engine S/N: L-5589-61A

Tach: 2873.64
SMOH: 1135.34

Engine Works completed: Rechecked compression on cylinder #2- 74/80. Exhaust valve seated after flight; no further action required at this time.

Joseph Sloat
IA#3629653



Date: 1-23-18

YEAR	DATE	DESCRIPTION	ACFT REG	TTE	ENGINE MODEL	ENGINE S/N	TACH	SMOH
		Engine Works completed: Rechecked compression on cylinder #2- 74/80. Exhaust valve seated after flight; no further action required at this time.	N134CH	2873.64	TIO-540-SIAD	L-5589-61A	2873.64	1135.34
		Engine Works completed: Completed annual inspection per Far 43 "D". Compression check #1-74, #2-52, #3-74, #4-68, #5-72, #6-78. Cylinder #2 exhaust leaking by valve; will check #2 compression after 3-5hrs flight time. Cleaned fuel strainers and screens. Cleaned and tested spark plugs. Replaced engine air filter with new PN- BA9005. Installed new AC compressor belt PN- Gates 11M1030. Tightened alternator belt. Completed oil change with new filter CH48103-1 and 10 qts Aeroshell 15W-50. Test ran engine with no defects noted. I certify this aircraft/engine has been inspected/repared in accordance with the current regulations of the FAA and is approved for return to service in regards to work performed.	N134CH	2867.15	TIO-540-SIAD	L-5589-61A	2867.15	1128.85

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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03/05/2017

TT 2912.08

Tach 2912.08

Changed oil and filter, CH48103-1, added 10 quarts Aero shell W15W-50. Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Scott S. Vlach 533604885 *owner/pilot*

05/01/2018

TT 2954.52

Tach 2954.52

Changed oil and filter, CH48103-1, added 10 quarts Aeroshell W15W-50. Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Scott S. Vlach 533604885 *owner/pilot*

Revisions and Alterations
 Certificate Number of
 or other specific entries.)

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

ACFT REG: N134CH Engine Model: TIO-540-SIAD Tach: 2972.45
 TTE: 2972.45 Engine S/N: L-5589-61A SMOH: 1234.15

Engine Works completed: Replaced failed vacuum pump with new Rapco RAP215CC SN-A67138. While replacing vacuum pump oil filter CH48103-1 was changed. Oil was not changed at this time. Old filter cut with no major metal or defects noted at this time. Test ran engine with no leaks and proper vacuum pressure.

I certify this aircraft/engine has been inspected/repared in accordance with the current regulations of the FAA and is approved for return to service in regards to work performed.

Joseph Sloat Date: 5-30-18
 AP IA#3629653

06/03/2018 TT 2978.91 Tach 2978.91

Changed oil, added 10 quarts Aeroshell W15W-50. Ran engine inspected for leaks.

Scott S. Wood 53360885 owner/PIA

19/04

and Alterations
 (Indicate Number of
 for specific entries.)

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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06/10/2019

TT 3108.47

Tach 3108.47

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus.
 Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Sgt S Shank
533604885

Pilot/owner

07/19/2019

TT 3151.86

Tach 3151.86

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus.
 Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Sgt S Shank
533604885

Pilot/owner

YEAR	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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11/04/2019

TT 3190.996

Tach 3190.99

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus.
Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Scott Sloat P.101/2020
SB3664895

SLOAT AVIATION SERVICES LLC

ACFT REG: N134GH

Engine Model: T10-540-SIAD

Tach: 3207.78

TTE: 3207.78

Engine S/N: L-5589-61A

SMOH: 154.32

Engine Works completed: Completed Annual-100hr inspection per FAR 43 "D". Performed oil change with CH48103-1 filter and 10qts Aeroshell 100w. Changed engine air filter PN-BA9005. Cleaned all fuel screens and spark plugs with no failures noted. Removed AC compressor and bracket from engine and capped off ac lines at firewall. Performed compression check #1- 72, #2-31, #3- 74, #4- 73, #5- 70, #6-72. Removed #2 cylinder for repair at Sals Cylinders(see release for details). Reinstalled as required with new gaskets. Replaced multiple gaskets and seals trying to prevent further oil leak near #4 cylinder. Found leak from through stud. Replaced stud with P2 on top and P1 on bottom. Retorqued as required with new gaskets where necessary. Test ran with no leaks noted. JPI EDM-900 installed on aircraft after removing EDM-700. Replaced all CHT, EGT, TIT, fuel pressure, manifold pressure, oil temp, oil pressure, rpm sensors and wires. Complied with all AD's required(see separate AD Compliance Sheet).

I certify this engine has been Repaired/Inspected in accordance with Annual-100hr inspection and the current regulations of the FAA and is airworthy at this time.

Joseph Sloat

Date: 4-1-2020

AP IA#3629653

YEAR

DATE

SLOAT AVIATION SERVICES LLC

ACFT REG: N134CH
TTE: 3281.43

Engine Model: TIO-540-SIAD
Engine S/N: L-5589-61A

Tach: 3281.43
SMOH: 227.97

Engine Works completed: Removed engine from A/C due to failure to find oil leaks around cylinders 2, 4, 6 despite new seals and through studs. Disassembled engine and sent to Crank Case Services for warranty inspection and repair(see release for details). After case was studied and repaired standard sized through studs used for reassembly along with STD2013 collar rings. Reassembled engine I/A/W Lycoming Overhaul Manual 60294-7 and latest updates. Engine was rebuilt with all new gaskets from gasket kit SL15903. Torqued, satfied, and coter keyed as necessary. Pistons were not removed from cylinders and all accessories remained on accessory case. Checked all valve clearances and moved 2 pushrods for closer tolerances. Found bad threads on t-fitting for fuel pump overflow. Aircraft Carb and Injector replaced head with serviceable unit and clocked t fitting as required. New hose was installed on fuel pressure from engine to firewall. New o-rings on all fuel injectors installed. New orings on oil cooler fittings installed and clocked for better routing. New exhaust gaskets, turbo gaskets, and donut exhaust gaskets used and torqued v-band clamps per manual. Test ran engine with no adjustments necessary to mixture or idle. No leaks found. Test flight and retorqued required for final verification. All AD's and known SB to date have been complied with at Overhaul and are listed on separate AD Compliance sheet.

I certify this engine has been Repaired/Inspected in accordance with the Overhaul manual and current regulations of the FAA and is airworthy at this time.

Joseph Sloat
AP IA#3629653

Date: 8-10-2020

and Alterations
Certificate Number of
(other specific entries.)

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YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT TIME	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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SLOAT AVIATION SERVICES LLC

ACFT REG: N134CH Engine Model: T10-540-SIAD Tach: 3178.29
 TTE: 3178.29 Engine S/N: L-5589-61A SMOH: 124.83

Engine Works completed: Removed starter for warranty repair at Hartzell due to failed solder joint on Bendix clutch. Reinstalled after repair with no issues. Repaired bad pushrod seal on #4 cylinder.
 I certify this engine has been repaired in accordance with the current regulations of the FAA and is airworthy in regards to work performed.
 Date: 9-5-19
 Joseph Sloat
 AP 1A#3629653

09/30/2020 TT 3310.26 Tach 3310.26

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus.
 Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.
 Scott S Shank 533604885 owner/R.102

10/27/2020 TT 3337.03 Tach 3337.03

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus.
 Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.
 Scott S Shank 533604885 owner/R.102

and Alterations
 Certificate Number of
 (for specific entries.)

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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12/21/2020 TT 3373.37 Tach 3373.37

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus.
 Sent oil for analysis, cut filter for inspection, ran engine inspected for leaks.

Scott S Clark 533604885 Pilot/owner

SLOAT AVIATION SERVICES LLC

ACFT REG: N134CH Engine Model: TIO-540-SIAD Tach: 3388.61
 TTE: 3388.61 Engine S/N: L-5589-61A SMOH: 335.15
 Engine Works completed: Completed Annual-100HR inspection per FAR 43 "D". Performed oil change with
 CH48103-1 filter and 10qts Aeroshell 100w. Changed engine air filter PN-BA9005. Cleaned all fuel screens and
 spark plugs with no failures noted. Performed compression check #1- 78, #2-76, #3- 78, #4- 78, #5- 79, #6-77.
 Removed propeller due to leak found at crank seal. Replaced seal per manual with new LW- 15628 after
 cleaning. Reinstalled prop with new O-ring C-3317-228 and torqued/safety-wired as required. Complied with
 all AD's required(see separate AD Compliance Sheet). Test ran engine with no leaks or further discrepancies
 noted.
 I certify this engine has been Repaired/inspected in accordance with Annual-100HR inspection and the
 current regulations of the FAA and is airworthy at this time.
 Joseph Sloat
 AP IA#3629653 Date: 1-22-2021

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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3/28/2021 TT 3414.06 Tach 3414.06

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100 plus. Sent oil for analysis,
cut filter for inspection, ran engine inspected for leaks, no leaks observed.

Scott S. Clark 533604885 *owner/pilot*

7/5/2021 TT 3450.24 Tach 3450.24

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100. Sent oil for analysis,
cut filter for inspection, ran engine inspected for leaks, no leaks observed.

Scott S. Clark 533604885 *owner/pilot*

9/20/2021 TT 3491.95 Tach 3491.95

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100. Sent oil and filter for analysis,
ran engine inspected for leaks, no leaks observed.

Scott S. Clark 533604885 *owner/pilot*

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allic entries.)

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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12/19/2021 TT 3531.49 Tach 3531.49
 Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100. Sent oil for analysis, cut open and inspected filter,
 ran engine inspected for leaks, no leaks observed.

Sgt S Wood
 own 533604885

SLOAT AVIATION SERVICES LLC

ACFT REG: N134GH Engine Model: T10-540-SIAD Tach: 3541.95
 TTE: 3541.95 Engine S/N: L-5589-61A SMOH: 488.49
 Engine Works completed: Completed Annual-100HR inspection per FAR 43 "D". Did not perform oil change
 due to lack of hours. Changed engine air filter PN-BA9005. Cleaned all fuel bowl and replaced o-rings as
 necessary. Cleaned and tested all spark plugs with no failures. Performed compression check #1-78, #2-72,
 #3-78, #4-77, #5-78, #6-77. Cleaned engine and looked for leaks with non-found. Installed new Rapco
 Vacuum pump PN-215CC SN-A77145. Repaired cowl flap on right side for proper operation. Complied with
 all AD's required(see separate AD Compliance Sheet). Test ran engine with no leaks or further discrepancies
 noted.
 I certify this engine has been Repaired/Inspected in accordance with Annual-100HR inspection and the
 current regulations of the FAA and is airworthy at this time.
 Joseph Sloat
 AP IA#3629653 Date: 3-4-2022

YEAR	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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05/05/2022 TT 3571.42 Tach 3571.42

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100. Sent oil for analysis, cut open and inspected filter, ran engine inspected for leaks, no leaks observed.

Scott S Ude owner *SB364885*

SLOAT AVIATION SERVICES LLC

ACFT REG: N134CH Engine Model: T10-540-SIAD Tach: 3599.46
 TTE: 3599.46 Engine S/N: L-5589-61A SMOH: 546.0
 Engine Works completed: Completed Annual-100hr inspection per FAR 43 "D". Performed oil change with 10qts Aeroshell 100plus and new filter CH48103-1. Cleaned all fuel injectors and replaced all o-rings as necessary. Cleaned and tested all spark plugs with no failures. Performed compression check #1-79, #2-75, #3-75, #4-77, #5-79, #6-79. Cleaned engine and looked for leaks with non-found. Installed new Rapco Vacuum pump PN-215CC-9 SN-A78403. Replaced TIT sensor with new Alcor 86143 type K and new adapter fitting. Test ran engine with no leaks noted and vacuum pressure in the middle of the green arc. Made doubler for cracked baffle. Complied with all AD's required(see separate AD Compliance Sheet). I certify this engine has been Repaired/Inspected in accordance with Annual-100hr inspection and the current regulations of the FAA and is airworthy at this time.
 Joseph Sloat
 AP IAH#3629653

Date: 3-17-23

and Alterations
 Certificate Number of
 (other specific entries.)

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

ACFT REG: N134CH Engine Model: T10-540-SIAD Tach: 3541.95
 TTE: 3611.71 Engine S/N: L-5589-61A SMOH: 558.25

Engine Works completed: Changed engine air filter PN-BA9005. Replaced all spark plugs with new URHB37E's and torqued as required. Removed dual magneto D-3000 for 500hr inspection; replaced with OH'd unit PN-10-682560-13 SN- L-03385. Installed to 20btcd per manual and torqued as required. Replaced multiple vacuum hoses due to brittleness. Test ran engine; mag drop within limits and verified p-lead safety operation and multiple mag drops with no defects noted. Magneto will need retimed after initial wear in.

I certify this engine has been Repaired in accordance with the current regulations of the FAA and is airworthy at this time only in regard to work performed.

Joseph Sloat  Date: 6-20-23
 AP IA#3629653

07/08/2023 TT 3640.29 Tach 3640.29

Changed oil and filter CH48103-1 added 10 quarts Aeroshell W100. Sent oil for analysis, cut open and inspected filter, ran engine inspected for leaks, no leaks observed.

See Sloat P.O. # 533664885

change with
 rings as
 1-79, #2-75,
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 new adapter
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an engine inspected for