

N13839

1970 Piper Turbo Aztec D

RH Engine

Logbook

SMOH | #2 of 2

1991 - 2025

MSN: 27-4480



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

N13839 SER NO. 27-4480
RIGHT ENGINE LOG
BOOK NO. 2
LYC TIO 540-C1A
SER NO 1 1533 61

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

RIGHT
ENGINE
MAINTENANCE
RECORDS

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N13839

Engine Manufacturer Lycoming

Model T10-540-C1A

Serial No. L-1533-61

Date installed on aircraft _____

Time Between Overhauls (TBO) 1500 Hours

If used on multi-engine aircraft:

☒ Right ☐ Left
☐ Front ☐ Rear



**AERO
TECH PUBLICATIONS INC.**
P.O. BOX 8005/FREEHOLD, N.J. 07728
(908) 462-5330

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
4-5-71		65.3 TSO	1987.2	changed engine oil & FILTER. ADDED 11 QTS AEROSHELL 50 W NON-DETERGENT MINERAL OIL Ronald E. Canner AWP 313586855
6-11-91		98.7 TSO	2022.5	changed engine oil AND FILTER. ADDED 11 QTS AEROSHELL 100W DET. cleaned Fuel Injector nozzles. Replaced TURBO HEAT BLANKET. ADJUSTED Idle mixture as necessary. Replaced pushrod housing TUBES (3 ea.) I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/AW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Ronald E. Canner IA313586855
8/7/91			2032.7	c/w AD 91-08-07 Amed 39-6962 par (a), (b), (1) & (2) INSTALLED PLW 02A21380 FITTING. Ronald E. Canner IA313586855
11/2/91			2066.3	changed engine oil AND FILTER, ADDED 11 QTS AEROSHELL oil. cleaned and gapped spark plugs adjusted magnetos, cleaned engine AIR FILTER Ronald E. Canner AWP 313586855
12/3/92		164.5 TSO	2088.3	changed engine OIL & FILTER, INSPECTED FILTER, ADDED 11 QTS AEROSHELL 50WT DET. checked cylinder compression ALL cylinders 75+ /80 Ronald E. Canner AWP 313586855
				SUB-TOTALS this page
				TOTALS —Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/2/92		165.1	2088.9	Cleaned Fuel Injectors, Fuel screens, Inspected Engine controls and exhaust system, checked cylinder compressions - all cylinders ⁷⁵⁺ / ₈₀ I certify that this engine has been inspected I/A/W AN ANNUAL INSPECTION and was determined to be in an airworthy condition <u>David Roca 1A15908</u>
11/21/92		190.7	2114.5	Changed ENGINE OIL + FILTER - AeroShell 15-50W - 11 qts. CLEANED ENGINE AIR FILTER <u>John Deaton</u>
7-1-93		217.8	2141.6	I certify that this engine has been insp I/A/W AN ANNUAL insp & was determined to be in an airworthy condition <u>David Roca 1A15908</u>
5-7-94		218.8	2142.6	Changed ENGINE OIL + Filter - AeroShell 15-50W - 11 qts - Cleaned Air Filters <u>John Deaton</u>
11-25-94		219.5	2142.6 2143.3	I certify that this engine has been insp I/A/W AN ANNUAL insp & was determined to be in an airworthy condition <u>David Roca 1A15908</u>
11/25/94		219.5	2143.3	Changed engine oil + Filter - AeroShell 15-50W - 11 qts - CLEANED engine AIR FILTER <u>John Deaton</u>
				SUB-TOTALS this page
	2143.3	219.5	2143.3	TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	2143.3	219.5	2143.3	TOTALS brought forward from previous page
11-13-95	2174.2	250.4	2174.2	Changed ENGINE OIL + Filter - Aeroshell 15-50 w - 11qts - CLEANED AIR FILTERS <i>gld</i>
11-13-96	2178.3	254.5	2178.3	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTIONED I/A/W AN ANNUAL INSPECTION WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION <i>David Rose IA 119028</i>
6/12/96	2178.3	254.5	2178.3	Changed ENGINE OIL + Filter Aeroshell 15-50 - 11qts. CLEAN AIR FILTER - FUEL FILTER <i>gld</i>
5/10/97	2182.6	258.8	2182.6	A/C OUT OF SERVICE 6/20/96 TO 5/10/97 Periodic
5/10/97	2182.6	258.8	2182.6	ENGINE RUNS (4) during this time;
7/01/97	2201.3	277.5	2201.3	A/C - ENGINE OUT OF SERVICE - STORAGE <i>gld</i>
6/30/06	2203.8	280.0	2203.8	UPDATED HAS <i>Ameyon IA 1570369</i>

ENGINE MODEL:
TIO-540-C1A
ENGINE S/N (R): L-1533-61
REG. NO: 13839
WORK ORDER: 11978



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

2203.8 *gld*

DATE: 11/1/2007
A/C TSN: 221338
ENG TT (R): 24.6
TSMOH (R): 290
TACH: 2213.8

Right Engine Entries

Right Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I. Inspection Report, Items B. & C. Drained oil, changed oil filter CH48104, inspected no metal particles. Suction oil screen removed, inspected, no metal particles, cleaned, installed and safetied, Serviced with Shell 15W-50 oil, 12 Qts. Spark plugs removed, cleaned, gaped, inspected, rotated and installed. Magneto timing and sync, checked at 20 BTC #1. Injection nozzles removed ultra-sonic cleaned, inspected and installed with new seals. Fuel system pressure checked, no leaks. Compression test, Cyl. 1-75/80, 2-77/80, 3-77/80, 4-76/80, 5-76/80, 6-75/80. See following corrected discrepancies.... Engine right scavenge oil pump removed, cleaned, inspected and new gasket installed. Leak and ops check good.... Engine right side idle speed adjusted to 650 RPM.... A.D. 2002-26-01 Eff. 01/31/03 Lycoming Fuel Injection Line inspection complied with by visual inspection I/A/W Lycoming Service Bulletin 342A & 342D. Clamps and hardware installed to conformed to specifications set forth in diagram 21 of S.B. 342D. Inspection will be due again 11/30/07 or 2313.8 hours.... A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec fuel pump torque check inspection complied with I/A/W Lycoming Service Bulletin 529B. Rt. engine no defects noted. A.D. needs to be complied with again in 50 hours at 2263.8 hrs.... A.D. 2005-12-06 eff. date 07/19/2005 Bendix/TCM Magnetos to prevent failure of the magneto impulse coupling assembly Complied with by inspection of Lt. & Rt. magneto I/A/W para (f) of A.D. and TCM MSB # 645. Impulse couplings are rivet type and data tag is not marked with "A" in lower right section quarter. Inspection is due again at 2313.0 hours total time.... Engine right pressure controller heat shield replaced with new torqued mounting screws and safetied.... Engine right oil leak at bottom front case seam bolts and nuts torqued. Leak check good.... Engine right side oil filter bottom fitting re-sealed. Filter cleaned. Fitting re-positioned and installed. Leak and ops check good.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 11/1/2007

SIGNED: *[Signature]*

Michael Tillman, A&P: 2845176 IA


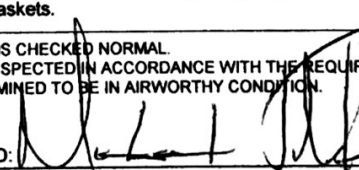
Work Order: 11978

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2203.8	280.0	2203.8
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SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	2203.8	280.0	2203.8	TOTALS brought forward from previous page
11/06/07	2204.0	280.2	2204.0	CHANGED ENGINE OIL - CLEANED SCREEN FILLED 11 QUANTS Aeroshell 15-50w J. Deaton - owner
01/18/08	2223.6	299.8	2223.6	Removed + Cleaned oil Screen Replaced Screen, Ran engine - returned to service J. Deaton owner
02/08/08	2234.5	310.7	2234.5	CHANGED engine oil - CLEANED SCREEN - REPLACED SCREEN FILLED 11 QUANTS Aeroshell 15-50w RAN ENGINE - RETURNED TO SERVICE J. Deaton - owner - 30.5T - BC
ENGINE MODEL: T10-540-C1A ENGINE S/N (R): L-1533-61 REG. NO: 13839 WORK ORDER: 12695				 Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848
Right Engine Entries Right Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR880921, 08/21/86, Table III-I. Inspection Report, Items B. & C. Drained oil, oil filter screen removed, cleaned and inspected no metal particles. Suction oil screen removed, inspected, no metal particles, cleaned, installed and safetied. Serviced with Shell 15W-50 oil, 10 Qts. Spark plugs, removed, cleaned, gaped, inspected, rotated and installed. Magneto timing and sync, checked at 20 BTC #1. Injection nozzles removed and new turboGAMIjector nozzles installed. Fuel system pressure checked, no leaks. Compression test, Cyl. 1-77/80, 2-76/80, 3-78/80, 4-78/80, 5-78/80, 6-77/80. See following corrected discrepancies.... A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec fuel pump torque check inspection complied with I/A/W Lycoming Service Bulletin 529B. Next inspection due in 50 hrs. at 2315.06... A.D. 2008-14-07 Eff. 08/14/2008 Eng. Rt. Lycoming Fuel Injection Line inspection complied with by para. (j), (k), and Lycoming Engine MSB No. 342E. No discrepancies noted. Next due 2385.0 or when clamps or lines disturbed.... A.D. 2008-19-05 eff. 10/20/2008 Eng Rt. To prevent loss of engine power due to cracks at the head-to-barrel interface in the cylinder assemblies and possible engine failure caused by separation of a cylinder head not applicable this part number is not installed. Cylinders are not ECI.... A.D. 2009-02-03 Eff. 02/09/2009 Eng Rt. To prevent a lean running engine. Not applicable due to date of overhaul of fuel injection servo, overhauled on 11/20/1990.... Engine right cylinders #1 and #2 induction tubes removed, inspected, prep and painted. Reinstalled with new gaskets.				DATE: 4/8/2009 A/C TSN: 2265.06 ENG TT (R): 75.86 TSMOH (R): 341.26 TACH: 2266.06 2234.5
ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				DATE: 4/8/2009 SIGNED:  Michael Tillman, A&P: 2845176 IA Work Order: 12695 Printed by EBis 3 (datcomedia.com)
04/08/2009	2234.5	341.26	2234.5	APRIL/08/ LOG MANUAL Complete
04/13/2009	2253.6	360.4	2253.6	APRIL 13 2009 - Time update To Reflect Tach Reading 04/14/2009 tach 2253.6 Installed Reif Corp engine heaters, FAA-PMA No. PQ2585CE in accordance with installation instructions. No STC or 337 required 2253.6
SUB-TOTALS this page				
TOTALS—Carry forward to next page				
	2253.6	360.4	2253.6	

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	2253.6	360.4	2253.6	TOTALS brought forward from previous page
8/16/09	2280.5	387.3	2280.5	Changed Engine oil - Cleaned Screen - Filled - 10 qt Aeroshell 15-50W - Cleaned Air Filter - RAN Engine - Returned To Service John Deaton - owner -

11/23/09 Right Tach 2291.3

Replaced fuel return hose MID: 542929803356252 TID LK6367156 with part from IAS Inc.

Replaced AN837-4 Fitting

Richard Guenther AP30396131A

Richard H. Guenther

12/27/09	2309.6	416.4	2309.6	Changed Engine oil - Cleaned Screen. Filled - 10 qt. Aeroshell 15-50W - Cleaned Air Filter - RAN Engine - Returned To Service: John Deaton - owner
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ENGINE MODEL
TIO-540-C1A
ENGINE S/N (R) L-1533-61
REG NO 13839
WORK ORDER: 13040



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE 1/6/2010
A/C TSN 2309.6
ENG TT (R) 120.4
TSMOH (R) 385.8
TACH 2309.6

Right Engine Entries

Installed new crankshaft seal P/N: LW13792 in accordance with Lycoming Direct Drive Overhaul Manual P/N: 60294-7. Engine ground operated, no leaks.

DATE 1/6/2010

SIGNED

Ronald Mangon

Ronald Mangon, A&P 3456258 IA

Work Order: 13040

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ENGINE MODEL
TIO-540-C1A
ENGINE S/N (R) L-1533-61
REG NO 13839
WORK ORDER: 13137



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE 9/7/2010
A/C TSN 2329.99
ENG TT (R) 140.79
TSMOH (R) 408.19
TACH: 2329.99

Right Engine Entries

Right Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I. Inspection Report, Items B. & C. Suction oil screen and reusable filter removed, inspected, no metal particles, cleaned, installed and safetied. Serviced with Phillips 20W-50 mineral oil, 12 qts. for cylinder break-in period. Spark plugs, removed, cleaned, gaped, inspected, rotated and installed. Magneto timing and sync. checked at 20 BTC #1. Injection nozzles removed ultra-sonic cleaned, inspected and installed with new seals. Fuel system pressure checked, no leaks. Compression test, Cyl. 1-76/80, 2-78/80, 3-78/80, 4-76/80, 5-76/80, 6-78/80. See following corrected discrepancies. A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec Engine Rt. fuel pump torque check inspection complied with I/A/W Lycoming Service Bulletin 529B. Previous compliance with (b), (2) and (i) with no change in torque. Section (4) complied with by visual inspection. No leaks noted. Due again at 2379.99 hrs. A.D. 2008-14-07, eff. date 8/14/08. Engine Rt. Lycoming Fuel Injection Line inspection Complied with Para (j) no leaks, no defects. Due again at 2439.99 hrs. or 9/2011. A.D. 2009-28-12, effective date 2/4/2010, Engine Rt. To prevent loss of engine power due to cracks at the head-to-barrel interface in the cylinder assemblies and possible engine failure caused by separation of a cylinder head. Not applicable to part number installed.

TOTALS—Carry forward to next page

CONTINUED →

Engine Rt. customer requested to remove and replace all cylinders. Rocker arms removed and sent for overhaul. Installed new ECI Titan cylinders per Lycoming overhaul manual Pn. 60294-7 section 6-121 thru 6-126. Lub-torqued cylinder base 3/8" nuts to 300 in. lbs. and 1/2" nuts to 600 in. lbs. Ground run up and break-in procedures completed per ECI Titan installation sheet. Mineral oil installed for break-in period. Leak and oops check good. Engine Rt. RPM adjusted to 650

Page No. 6

ENGINE GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

WORK

DATE: 9/7/2010

SIGNED

Work Order 13169

Michael Tillman, A.P. 2845176 IA

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09/07/10 2314.48 394.2 2314.48 CERTIFIED AIRCRAFT TIME - RIGHT ENGINE

10/07/10 2327.18 406.9 2327.18 12.7 hours Since Top overhaul

DATE: 10/09/2010

TOTAL ENGINE HOURS: 2327.18

TSMOH: 406.9

TSTOPH: 12.7

Changed engine oil - Cleaned and inspected ADC oil screen.

Filled crankcase with 10 qts. Phillips 20-50W mineral oil.

Ran engine - checked for leaks and proper oil pressure

Inspected engine air filter

returned to service

John G Deaton (owner)

John G Deaton

10/09/10 2327.18 406.9 2327.18

8/16/11 2347.73 427.45 2347.73 33.25 hours Since Top overhaul

DATE: 08/16/2011

RIGHT

TOTAL ENGINE HOURS: 2347.73

TSMOH: 427.45

TSTOPH: 33.25

Changed engine oil - Cleaned and inspected ADC oil screen.

Filled crankcase with 10 qts. Phillips 66 X/C 20W-50 AD

Multigrade mineral base

Ran engine - checked for leaks and proper oil pressure

Inspected engine air filter

returned to service

John G Deaton (owner)

John G Deaton

8/16/11 2347.73 427.45 2347.73

9/06/11 2350.64 430.36 2350.64 2.91 hours ADD 1 QT. Phillips 66 X/C 20W-50 AD

36.16 TSTOPH *John G Deaton*

SUB-TOTALS this page

TOTALS—Carry forward to next page

ENGINE MODEL
TIO-540-C1A
ENGINE S/N (R): L-1533-61
REG. NO. 13839
WORK ORDER. 13651



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 February, 2012

2357.52 A/C TSN: 2374 31
437.24 ENG TT (R): 460.81
TSMOH (R): 450.51
TACH: 2374.31
2357.52

DATE

TOTAL
TIME
IN
SERVICE02-01
2012

Right Engine Entries

Right Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I. Inspection Report, Items B & C. Spark plugs, removed, cleaned, gaped, inspected, rotated and installed. Magneto timing and sync, checked at 20 BTC #1. Injection nozzles removed ultra-sonic cleaned, inspected and installed with new seals. Fuel system pressure checked, no leaks. Compression test, Cylinder # 1-78/80, 2-77/80, 3-74/80, 4-77/80, 5-76/80, 6-78/80. See following corrected discrepancies. Engine Rt. wastegate inlet oil fitting packing removed and replaced. Leak check good. Engine Rt. oil pressure regulator adjusted in one (1) turn. Engine Rt. oil drain back cylinder #2 re-positioned so not to chaff against baffle. Engine Rt. vacuum pump gasket removed and replaced. Leak check good. Engine Rt. magneto L1 gasket removed and replaced. Timed to engine at 20 degrees BTDC cylinder #1. Leak and ops check good. Engine Rt. crankcase forward bottom seam cleaned. Applied sealant to case halves. A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec Rt. fuel pump visual inspection complied with VAWV Lycoming Service Bulletin 529B. Due again in 50 hours at 2424.05. A.D. 2008-14-07, off date 8/14/08, Engine Rt. Lycoming Fuel Injection Line inspection Complied with Para (j) no leaks, no defects, due again at 2/2013 or 2474.05 hrs. or when system is serviced. A.D. 2011-15-10 off date 08/16/2011 Engine Rt. Lycoming to remove certain fuel service from service not applicable to dates indicated. No further action required.

ENGINE GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 01 February, 2012

SIGNED

Michael Tillman, A&P 2845176 IA

Work Order: 13651

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DATE 05/03/2012

RIGHT

TOTAL ENGINE HOURS: 2364.81

TSMOH 444.53

TSTOPH 50.33

Changed engine oil - Cleaned and inspected ADC oil screen.

Cleaned engine crankcase screen

Filled crankcase with 10 qts. Phillips 66 X/C 20W-50 AD

Multigrade mineral based oil.

Ran engine - checked for leaks and proper oil pressure

Inspected engine air filter, hoses and intake duct

Returned to service

John G Deaton (owner)

05/03
2012

2364.81

444.53
TSMOH

2364.81

50.33
TSTOPH

Time between oil change 18.02

oil burn 2 quarts 8.5 month

ENGINE MODEL
TIO-540-C1A
ENGINE S/N (R): L-1533-61
REG. NO. 13839
WORK ORDER. 14197



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 04 June, 2013

A/C TSN: 2400.41

ENG TT (R): 478.61

TSMOH (R): 478.61

TACH: 2400.41

Right Engine Entries

Right Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I. Inspection Report, Items B & C. Drained oil, removable screen removed, cleaned and inspected with no metal particles found. Suction oil screen removed, inspected, no metal particles, cleaned, installed and safetied. Serviced with 12 qts. Phillips XC 20W-50 oil. Spark plugs, removed, cleaned, gaped, inspected, rotated and installed. Magneto timing and sync, checked at 20 BTC #1. Injection nozzles removed ultra-sonic cleaned, inspected and installed with new seals. Fuel system pressure checked, no leaks. Compression test, Cyl. 1-76/80, 2-78/80, 3-77/80, 4-77/80, 5-76/80, 6-78/80. See following corrected discrepancies. A.D. 2011-26-04 off date 1/25/2012 Engine Rt. Lycoming Fuel Injection Line inspection complied with by visual inspection VAWV Lycoming Service Bulletin 342A, 342D & 342E & F no defects found. Inspection will be due again 6/2014 or 2500.41 hours. A.D. 2012-03-08 off date 02/24/2012 Engine Rt. Fuel Injector Servo to prevent an in-flight shutdown due to a failed fuel servo diaphragm is not applicable to date as indicated in Avstar Fuel System Service Bulletin AFS-SB6 R2. A.D. 2012-03-07 off date 03/27/2012 Engine Rt. Lycoming to address a machined-from-billet HA-6 carburetor having a loose mixture control sleeve that rotated in the carburetor body is not applicable to the part number installed. A.D. 2012-19-01 off date 10/24/2012 Engine Rt. To prevent failure of the crankshaft not applicable due to serial number installed. Wastegate Rt. removed for leaking drain. Installed overhauled wastegate Pn. LW12778 Sn. 035881, overhauled by CRS. O7TR2100 WO #32956, with new gaskets and safetied v-band clamps. Operational leak check satisfactory.

ENGINE GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 04 June, 2013

SIGNED

Michael Tillman, A&P 2845176 IA

Work Order: 14197

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DATE: 01 April, 2017
A/C TSN: 2488 63
ENG TT (R): 564 83
TSMOH (R): 564 83
TACH: 2488 63

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DATE: 01 October, 2018
A/C TSN: 2507.3
ENG TT (R): 583.5
TSMOH (R): 583.5
TACH: 2507.3

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
	2507.3	583.5	2507.3	TOTALS brought forward from previous page			
04/13/2019	2513.3	✓	✓	DATE 04/18/2019 RIGHT			
04/03/2019	2513.3	589.5	2513.3	TOTAL ENGINE HOURS 2513.5			
				TSMOH 589.5			
				TSTOPH 181.97			
				Changed engine oil - Cleaned and inspected ADC oil screen			
				Cleaned and inspected crankcase screen			
				Filled with 10 qts Phillips 66 X7C 20W-50 AD			
				Multigrade mineral based oil and 1 pint CamGuard			
04/18/2019		589.5	2513.5	Ran Engine - checked for leaks and oil pressure			
				Inspected engine air filters, hoses and intake duct			
				Returned to service			
				John G Deaton (owner) <i>John G Deaton</i>			
05/01/2020	2516.5	592.7	2516.5				
ENGINE MODEL: TIO-540-C1A ENGINE S/N (R): L-1533-61 REG. NO. 13839 WORK ORDER: 16558				Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848			
Right Engine Entries Right Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I. Inspection Report, Items B. & C. Drained oil, aftermarket oil screen inspected no metal particles. Suction oil screen removed, inspected, no metal particles, cleaned, installed and safety. Serviced with customer supplied Phillips 20W-50 oil. 12 Qts. Spark plugs removed, cleaned, gaped, inspected, rotated and installed. Magneto timing and sync checked at 20 BTC cylinder #1. Injection nozzles removed ultra-sonic cleaned, inspected and installed with new seals. Fuel system pressure checked, no leaks. Compression test, Cyl. 1-78/80, 2-72/80, 3-78/80, 4-78/80, 5-78/80, 6-76/80. Engine washed. Ground run up performed. Ops check good. Engine Rt. idle speed adjusted up to 650 RPM. Engine Rt. mixture adjusted lean to achieve a 50 RPM rise on shut down. A.D. 2015-19-07, effective date 11/3/2015, Engine Rt. Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G. Supplements 1 & 2. No defects noted.				DATE: 01 May, 2020 A/C TSN: 2516.5 ENG TT (R): <i>TT 2516.5</i> TSMOH (R): 592.7 TACH: 2516.5			
ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.							
DATE: 01 May, 2020		SIGNED: <i>Michael Tillman</i>		Work Order: 16558			
		Michael Tillman, A&P: 2845176 IA		Printed by EBis 3 (datcomedia.com)			
Right Engine Log Entry							
REG #	N13839	Date	02/01/2022	Model	PA23-250	Serial #	27-4480
MFG	Piper	ACTT	2546	TSMOH	622	ENG/S/N	L-1533-61
Complied with an 100hr/Annual inspection IAW Piper Service Manual Pn 753-564. Performed compression check CYL #1 78/80, #2 78/80, #3 76/80, #4 74/80. #5 76/80, #6 74/80. Drained oil, add 11 QTS Phillips 20W50 engine oil. Cleaned and inspect aftermarket oil filter screen. Clean and inspect suction oil screen, found no defects at this time. Serviced spark plugs and air induction filter. Complied with A/D 2015-19-07, Eff date 11/03/2015 Lycoming fuel injection line inspection. C/W Lycoming SB 342G. I certify that this ENGINE has been inspected IAW an 100hr/annual inspection and was found to be in airworthy condition.							
Brian Welling		<i>Brian Welling</i>		A/P 3692260 IA.			

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Win Win Aviation

RH Engine

Aircraft: N13839
Aircraft TT: 2555.8

MOD Lycoming TIO-540-C1A
SN L-1533-61

Date: 11/6/2023
Tech: 2552.1

- 1 Complied with 100hr/annual inspection IAW Piper Service Manual PN 753-564. Performed compression check CYL# 78/80, CYL#2 78/80, CYL#3 76/80, CYL#4 75/80, CYL#5 76/80, CYL#6 74/80. Removed spark plugs cleaned, checked and gapped, installed and torqued. Drained oil, cleaned, checked, and cleaned aftermarket oil filter screen. No debris found. Both inboard and outboard slick magnetos sent out for 500hr inspection and check. Internal timing completed, fitted and timed to engine. 11 qts Philips 20W50 engine oil added. Complied with AD 2015-1907, effective date 11/03/2015 Lycoming fuel injection line inspection. C/W Lycoming SB 342G.

All inspections, work, and repairs were performed per Customers Request, IAW appropriate manufacturer's maintenance manuals, structural repair manuals, and standard practices. The aircraft, engines, propellers, or appliances identified above are hereby approved for return to service as per the work performed.

Signature

J.F. Myburgh SB42921A

Win Win Aviation

RH Engine

Aircraft: N13839
Aircraft TT: 2557.2

MOD Lycoming TIO-540-C1A
SN L-1533-61

Date: 3/12/2025
Tach: 2557.2

- 1 Complied with 100hr/annual inspection IAW Piper Service Manual PN 753-564. Performed compression check CYL# 77/80, CYL#2 76/80, CYL#3 76/80, CYL#4 75/80, CYL#5 76/80, CYL#6 74/80. Removed spark plugs cleaned, checked and gapped, installed and torqued. Removed and replaced 4(ea) bad spark plugs. Drained oil, cleaned, checked, and cleaned aftermarket oil filter screen. No debris found. 11 qts Philips 20W50 engine oil added. Complied with AD 2015-1907, effective date 11/03/2015 Lycoming fuel injection line inspection. C/W Lycoming SB 342G. Replaced fuel flow transmitter with new unit, ground runs completed, found satisfactory. AD 2023-09-09 Comply with by means of visual inspection of the turbo V-Band clamps, found satisfactory.

Replaced faulty f/flow transmitter with new unit, tested, found satisfactory.

All inspections, work, and repairs were performed per Customers Request, IAW appropriate manufacturer's maintenance manuals, structural repair manuals, and standard practices. The aircraft, engines, propellers, or appliances identified above are hereby approved for return to service as per the work performed.

Signature

SUB-TOTALS this page

TOTALS—Carry forward to next page

