

# N13839

## 1970 Piper Turbo Aztec D

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# LH 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  
LEFT ENGINE LOG  
BOOK NO. 2  
LYC TIO-540-C1A  
SER NO. L-1532-61

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**LEFT**  
**ENGINE**  
**MAINTENANCE**  
**RECORDS**

# ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N13839

Engine Manufacturer Lycoming

Model T10-540-C1A

Serial No. L-1532-61

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) 1500 Hours

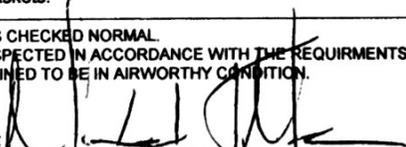
If used on multi-engine aircraft:

- |                                |  |
|--------------------------------|--|
| <input type="checkbox"/> Right | <input checked="" type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear            |

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
				<b>TOTALS</b> brought forward from previous page
4/8/91		65.3 HRS	1999.0	changed ENGINE OIL AND FILTER, ADDED 11 QTS AERO Shell 50WT NON-DETERGENT MINERAL OIL Ronald E Carter TP 313586855
6-11-91		98.7 HRS	2034.5	changed OIL AND FILTER, ADDED 11 QTS AEROSHell 100W DETRIGENT. cleaned FUEL INJECTOR NOZZLES, changed HYDRAULIC FILTER, Replaced TURBO HEAT BLANKETS, ADJUSTED idle mixture AS NECESSARY. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ELDW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION Ronald E Carter JA313586855
	ALL cyl. compressions 70+/80			
8/7/91			2045.8	* c/w AD 91-08-07 AMEND 39-6962 PAR. (A)(1), (B)(1)+(2) INSTALLED AN OZA 21380 FITTINGS Ronald E Carter TP 313586855
11/2/91			2078.6	changed ENGINE OIL AND FILTER, ADDED 11 QTS - AEROSHell 50WT det. cleaned and gapped plugs Retimed MAGNETOS, cleaned ENGINE AIR FILTER Ronald E Carter TP 313586855
3/7/92		165 TSO	2100.8	changed ENGINE OIL AND FILTER, INSPECTED FILTER, ADDED 11 QTS AEROSHell 50WT det. checked compressions ALL cylinders 75+ 80 Ronald E Carter TP 313586855
			<b>SUB-TOTALS</b> this page	
			<b>TOTALS</b> —Carry forward to next page	
			2100.8	

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		165.6	2101.4	Cleaned Fuel Injectors, Fuel Screens, Inspected Engine controls and exhaust system, checked cylinder compressions - all cylinders $\frac{25}{80}$ I certify that this engine has been inspected I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION David Rose MP33586855JA
11/21/92		191.4	2127.2	CHANGED ENGINE OIL AND FILTER - AEROSHELL 15-50W - 11 QTS. CLEANED ENGINE AIR FILTER J&Denton.
7-1-93		218.9	2154.7	I CERTIFY THAT THIS ENGINE HAS BEEN INSP. I/A/W AN ANNUAL INSP & WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION David Rose 1A181908P
7-1-93		218.9	2154.7	CHANGED ENGINE OIL AND FILTER - AEROSHELL 15-50W - 11 QTS - CLEANED ENGINE AIR FILTER J&D
5-7-94		219.8	2155.6	CHANGED ENGINE OIL AND FILTER - AEROSHELL 15-50W - 11 QTS - CLEANED ENGINE AIR FILTER J&D DENTON
11-25-94		220.5	2156.3	I CERTIFY THAT THIS ENGINE HAS BEEN INSP I/A/W AN ANNUAL INSP & WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION David Rose 1A181908P
11-25-94		220.5	2156.3	CHANGED ENGINE OIL + FILTER - AEROSHELL 15-50W - 11 QTS - CLEANED ENGINE AIR FILTER J&D
				SUB-TOTALS this page
	2156.3	220.5	2156.3	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
	2213.8	278.0	2213.8	TOTALS brought forward from previous page
11/06/07	2214.0	278.2	2214.0	Changed ENGINE oil CLEANED SCREEN Filled 11 QUARTS Aeroshell 15-50W J. Deaton - owner
01/18/08	2233.64	297.84	2233.64	Removed + CLEANED oil SCREEN - Replaced SCREEN + RAN ENGINE - Returned To Service J. Deaton - owner
02/08/08	2245.17	309.37	2245.7	Changed ENGINE oil - CLEANED SCREEN - Replaced SCREEN Filled 11 qts Aeroshell 15-50W J. Deaton - owner 31.17 T-BC
<p>ENGINE MODEL: T10-540-C1A ENGINE S/N (L): L-1532-61 REG. NO: 13839 WORK ORDER: 12695</p>  <p><b>Mangon Aircraft, Inc.</b> 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848</p>				<p>DATE: 4/8/2009 A/C TSN: 2265.06 ENG TT (L): 2265.06 TSMOH (L): 329.26 TACH: 2265.06</p> <p>TSMOH 349.26</p>
<p><b>Left Engine Entries</b></p> <p>Left Engine completed a 100 hour inspection for Annual Certification. Ref: Piper Service Manual Pn. 753-564, IR860921, 08/21/88, Table III-I. Inspection Report, Items B. &amp; 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 turboGAMjector nozzles installed. Fuel system pressure checked, no leaks. Compression test, Cyl. 1-79/80, 2-79/80, 3-78/80, 4-78/80, 5-78/80, 6-79/80. 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. Lt. Lycoming Fuel Injection Line inspection complied with by para. (j), (k), and Lycoming Engine MSB No. 342E. No discrepancies noted. Next due 2365.0 or when clamps or lines disturbed.... A.D. 2008-19-05 eff. 10/20/2008 Eng Lt. 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 Lt. To prevent a lean running engine. Not applicable due to date of overhaul of fuel injection servo, overhauled on 11/20/1990.... Engine left cylinders #1 and #2 induction tubes removed, inspected, prep and painted. Reinstalled with new gaskets.</p> <p>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.</p>				
<p>DATE: 4/8/2009      SIGNED:       Work Order: 12695 Michael Tillman, A&amp;P: 2845176 IA      Printed by EBis 3 (datcomedia.com)</p>				
04/08/09	2245.17	329.26	2245.17	APRIL/08/2009 ANNUAL Complete.
04/13/09	2265.1	349.26	2265.1	Time update To Reflect TACH Reading J. Deaton  04/14/2009 tach 2265.1 Installed Reif Corp. engine heaters, FAA-PMA No. PQ2585CE in accordance with installation instructions No STC or 337 required 2265.1
				SUB-TOTALS this page
2265.1	349.26	2265.1	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
	2265.1	349.26	2265.1	TOTALS brought forward from previous page
8/16/09	2291.4	375.6	2291.4	Changed ENGINE OIL - CLEANED Screen. Filled 10 qts Aeroshell 15-50W CLEANED AIR FILTER - RAW ENGINE. Returned To Service <i>Richard Guenther</i> - owner.

1123/09 Left Tach 2305.41  
 Replaced fuel return hose MID: 542929803356252 TID: LK6367156 with part from IAS Inc. Replaced AN837-4 fitting.  
 Richard Guenther AP3039613IA *Richard H. Guenther*

12/27/09	2324.3	408.5	2324.3	Changed ENGINE OIL - CLEANED Screen. Filled 10qts Aeroshell 15-50W - CLEANED Air Filter - RAW ENGINE (4 months - 32.9 hrs between oil change) (4 qts between change) <i>Richard Guenther</i> (owner) Returned To Service
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ENGINE MODEL:  
TIO-540-C1A  
ENGINE S/N (L): L-1532-61  
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 (L): 2309.6  
 TSMOH (L): 373.8  
 TACH: 2309.6

**Left 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 (L): L-1532-61  
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 (L): 2329.99  
 TSMOH (L): 394.19  
 TACH: 2329.99

**Left Engine Entries**

Left 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. 1-78/80, 2-78/80, 3-78/80, 4-78/80, 5-78/80, 6-77/80. See following corrected discrepancies.... Engine Lt. cylinder #2 oil drain back hose removed and replaced during cylinder change. Leak check good.... Engine Lt. oil line from turbo to wastegate anti-chaff spiral wrap installed to protect chaffing against mount.... A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec Engine Lt. fuel pump torque check inspection complied with IAAW Lycoming Service Bulletin 529B. Previous compliance with (b), (2) and (ii) 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 Lt. Lycoming Fuel Injection Line inspection Complied with Para (i) no leaks, no defects. Due again at 2439.99 hrs. or 9/2011.... A.D. 2009-26-12, effective date 2/4/2010, Engine Lt. 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

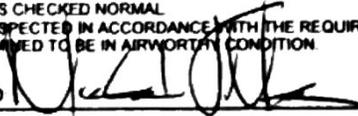
*CONTINUED* →

Engine Lt. 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 6-128. 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 Lt. RPM adjusted to 650. Turbocharger Lt. Engine removed Pn. 406610-9021, Sn JBR0110, due to FOD to compressor blades. Installed repaired turbocharger after repairs by Approved Turbo Components in original location. Ground run-up completed. Adjusted pressure controller up 3/4 turn to increase manifold pressure to 34" at sea level. Ops check good. Engine Lt. oil system drained, hoses flushed, reusable oil filter and screen removed, cleaned, inspected and re-installed. Installed 12 qts of Phillips 20W-50 Mineral oil. Engine ground run-up completed. Leak and ops check good.

MING WORK

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: 9/7/2010

SIGNED 

Work Order: 13169

Michael Tiltman, A&P 2845176 IA

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09/07/10	2329.99	398.05	2329.99	Certified AIRCRAFT Times - LEFT ENGINE
10/07/10	2342.60	410.66	2342.60	12.6 hours Since Top overhaul DATE: 10/09/2010 TOTAL ENGINE HOURS: 2342.60 TSMOH: 410.66 TSTOPH: 12.6 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) 
10/09/10	2342.60	410.66	2342.60	
8/16/11	2364.48	432.54	2364.48	34.48 hours Since top overhaul DATE: 08/16/2011 TOTAL ENGINE HOURS: 2364.48 TSMOH: 432.54 TSTOPH: 34.48 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) 
8/16/11	2364.48	432.54	2364.8	} 2.95 hrs Add 1 qt Phillips 66 X/C 20W-50 AD
9/04/11	2367.43	435.49	2367.43	
	-	-	-	37.43 TSTOPH 

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
				<b>TOTALS</b> brought forward from previous page
2/5/14	2419.0			DATE 02/05/2014 LEFT TOTAL ENGINE HOURS: 2419.0 TSMOH: 486.96 TSTOPH: 89.00 Changed engine oil - Cleaned and inspected ADC oil screen Cleaned and inspected crankcase screen Filled 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)

ENGINE MODEL:  
TIO-540-C1A  
ENGINE S/N (L): L-1532-61  
REG. NO: 13839  
WORK ORDER: 14733



**Mangon Aircraft, Inc.**

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

DATE: 15 August, 2014  
A/C TSN: 2438.31  
ENG TT (L): 502.51  
TSMOH (L): 502.51  
TACH: 2438.31

**Left Engine Entries**

8/15/14

Left 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, cleaned externally mounted screen, inspected, no metal particles. Suction oil screen removed, inspected, no metal particles, cleaned, installed and safetied. Serviced with Phillips XC 20W-50 oil, 11 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- 77/80, 2-78/80, 3- 78/80, 4-78/80, 5-77/80, 6-78/80. See following corrected discrepancies.... A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec fuel pump torque check inspection. A.D. is no longer applicable due to "M" kit installed on Lt. engine fuel pump Pn. RG17980JM Sn. R4423. No further action required.... A.D. 2011-26-04 eff. date 1/25/2012 Engine Lt. Lycoming Fuel Injection Line inspection complied with by visual inspection I/A/W Lycoming Service Bulletin 342A, 342D, 342E & 342F. No defects found. Inspection will be due again 08/2015, 2538.31 hours or when system is serviced.... Engine Lt. engine driven fuel pump Pn. RG17980J, Sn.R-4423 removed for overhaul. Overhauled engine driven fuel pump by CRS# VGOR728L W/O 43901 re-installed in original location now with "M" kit added to pump which changed the part number to RG17980M. Installed and indexed fittings for fuel lines and tightened fuel lines. Function check satisfactory. No leaks noted.

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: 15 August, 2014

SIGNED

Michael Tillman, A&P: 2845176 IA

Work Order: 14733

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8/15/14	2438.31			TIMES UPDATED 02/27/2015 TSN: 2480.11 TSMOH: 544.31 TSTOPH: 150.11 LEFT
2/27/15	2480.11			
				DATE 02/27/2015 LEFT TOTAL ENGINE HOURS: 2480.11 TSMOH: 544.31 TSTOPH: 150.11 Changed engine oil - Cleaned and inspected ADC oil screen Cleaned and inspected crankcase screen Filled 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)

2480.11	544.31	2480.11
2480.11	544.31	2480.11

**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
	2480.11	544.31	2480.11	TOTALS brought forward from previous page

ENGINE MODEL  
T10-540-C1A  
ENGINE S/N (L): L-1532-61  
REG NO 13839  
WORK ORDER 15213



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

DATE: 01 April, 2017  
A/C TSN: 2488 63  
ENG TT (L): 552 89  
TSMOH (L): 552 83  
TACH: 2488 63

2488.63

**Left Engine Entries**

Left 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 and serviced with Phillips 20W-50. Suction oil screen removed, inspected, no metal particles, cleaned, installed and safetied. 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 #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, 2-76/80, 3-74/80, 4-78/80, 5-74/80, 6-74/80.

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 April, 2017

SIGNED

Michael Tillman, A&P 2845176 IA

Work Order: 15213

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10/21/17	2497.13	561.33	2497.13	
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DATE 10/21/2017 LEFT

TOTAL ENGINE HOURS 2497.13

TSMOH 561 33

TSTOPH 167 13

Changed engine oil - Cleaned and inspected ADC oil screen

Cleaned and inspected crankcase screen

Filled with 10 qts Phillips 66 X?C 20W-50 AD

Multigrade mineral based oil and 1 pint CamGuard

Ran Engine - checked for leaks and oil pressure

Inspected engine air filters, hoses and intake duct

Returned to service

John G Deaton (owner) *John G Deaton*

ENGINE MODEL  
T10-540-C1A  
ENGINE S/N (L): L-1532-61  
REG NO 13839  
WORK ORDER 16201



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

DATE: 01 October, 2018  
A/C TSN: 2507.3  
ENG TT (L): 571.5  
TSMOH (L): 571.5  
TACH: 2507.3

**Left Engine Entries**

Left 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 and serviced with Phillips 20W-50. 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. 1-74/80, 2-74/80, 3-76/80, 4-76/80, 5-74/80, 6-74/80. Ground run up performed. No leaks noted. Ops check good. A.D. 2015-19-07, effective date 11/3/2015, Engine LL. Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G supplements 1 & 2. No defects noted.

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 October, 2018

SIGNED

Michael Tillman, A&P 2845176 IA

Work Order: 16201

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10/01/18	2507.3	571.5	2507.3	TOTALS
				SUB-TOTALS this page
	2507.3	571.5	2507.3	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
	2507.3	571.5	2507.3	TOTALS brought forward from previous page
04/18/2019	2513.4	577.61	2513.4	DATE 04/18/2019 LEFT TOTAL ENGINE HOURS 2513.4 TSMOH 577.61 TSTOPH 183.41 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 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	580.7	2516.5	

ENGINE MODEL: TIO-540-C1A  
ENGINE S/N (L): L-1532-61  
REG. NO: 13839  
WORK ORDER: 16558

**Mangon Aircraft, Inc.**

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

DATE: 01 May, 2020  
A/C TSN: 2516.5  
ENG TT (L): 580.7  
TSMOH (L): 580.7  
TACH: 2516.5

**Left Engine Entries**

Left 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, checked aftermarket filter screen inspected no metal particles. Suction oil screen removed, inspected, no metal particles. cleaned. installed and safety. Serviced with customer supplied Phillios 20W-50 oil. 12 Qts. Soak plus. removed. cleaned. gaged. 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, 2-76/80, 3-78/80, 4-76/80, 5-78/80, 6-72/80. Engine washed. Ground run up performed. Ops check good... Engine Lt. idle speed adjusted to 650 RPM... A.D. 2015-19-07, effective date 11/3/2015, Engine Lt. Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G Supplements 1 & 2. No defects noted.

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

DATE: 01 May, 2020

SIGNED: *Michael Tillman*

Work Order: 16558

Michael Tillman, A&P. 2845176 IA

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12/16/2020

**Left Engine Log Entry**

REG #	N13839	Date	02/01/2022	Model	PA23-250	Serial #	27-4480
MFG	Piper	ACTT	2546	TSMOH	610	ENGS/N	L-1532-61

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 72/80.  
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 iniection line inspection. C/W Lvcomina 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 *Brian Welling* 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
				<b>TOTALS</b> brought forward from previous page

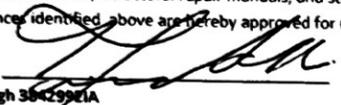
Win Win Aviation

L/H Engine

Aircraft: N13839      MOD Lycoming TIO-540-C1A      Date: 11/6/2023  
 Aircraft TT: 2555.8      SN L-1532-61      Tach: 2555.8

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 38429921A

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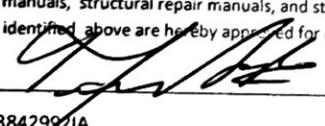
Win Win Aviation

L/H Engine

Aircraft: N13839      MOD Lycoming TIO-540-C1A      Date: 3/12/2025  
 Aircraft TT: 2557.2      SN L-1532-61      Tach: 2557.2

1 Complied with 100hr/annual inspection IAW Piper Service Manual PN 753-564. Performed compression check CYL# 75/80, CYL#2 74/80, CYL#3 76/80, CYL#4 75/80, CYL#5 76/80, CYL#6 74/80. Removed spark plugs cleaned, checked and gapped, removed and replaced 4(ea) worn spark plugs, installed and torqued. 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. AD 2023-09-09 Complied with by means of visual inspection of the turbo V-band clamps, 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   
 J.F. Myburgh 38429921A


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