
ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T18208811 N13224

ENGINE MODEL AND SERIAL T1D-540-AK1A L-12897-61A

718208811

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL TIO-540-AK1A

SERIAL NO. L-12897-61A

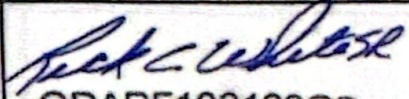
DATE OCT 24 2007


(AUTHORIZED REPRESENTATIVE)


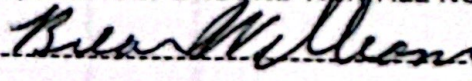
LYCOMING
A Textron Company

LYCOMING ENGINES
652 Oliver Street
Williamsport, PA 17701 U.S.A.

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2008				
03/03	4	9	Engine model TIO-540-AK1A, S/N <u>L-12897-61A</u> has been installed on aircraft # <u>T18208811</u> with TTAF <u>4.9</u> TTSN was <u>4.9</u> This Engine serviced with Phillips X/C 20W50 Engine oil.	 ODARF100129CE

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p><i>Advanced Aviation</i> 5 Aero Plaza New Century, KS 66031 Phone: 913-768-1500</p> <p>Date: 6/12/2008 Tach: 24.4 N1322Y Engine Logbook</p> <p>Drained oil and replaced filter p/n AA48110 with new, inspected filter for metal, none noted. Serviced with 9 quarts Phillips X/C 20W-50 oil. Ran for leak and operational checks with no defects.</p> <p> Michael D. Jewell AP3041076</p>	
			<p>10/13/08 tach 94.9 N3122Y</p> <p>CHANGE OIL AND FILTER (CH48110-1). ADD NINE QUARTS PHILLIPS X/C20W50. GROUND RUN ALL NORMAL AT THIS TIME.</p> <p> BRIAN WILLIAMS AP3218885</p>	

MAINTENANCE RECORD

Landmark Aviation

Joe Foss Field
Sioux Falls SD



APPROVED SIGNATURE,
CERTIFICATE TYPE
NUMBER

DATE

TOTAL TIME
IN SERVICE

HOURS

MIN

Engine Log

DATE	MAKE/MODEL	TACH	ETT	REGISTRATION	SERIAL NUMBER
7-1-09	LYC/TIO540-AK1A	135.5	135.5	NI322Y	L-12897-61A

- Complied with 100 hr inspection in accordance with Cessna T182T M/M and FAR 43 Appendix D.
- Changed oil and filter. Serviced with 9 qts. Phillips 20w50 X/C oil and CH48110-1 filter
- Compression check as follows: 1)78/80 2)78/80 3)78/80 4)78/80 5)78/80 6)78/80.
- C/W AD 2009-02-03 (2-9-09) Precision Airmotive Servo Plug Inspection. C/W by visual and dimensional inspection with no defects noted. Installed new gasket P/N 2577258 and stamped "G" on servo plug. All work done IAW Precision Airmotive MSB No. PRS-107 Rev. 4. No further action required.
- C/W AD 2008-14-07 (8-14-09) by visual inspection of fuel injection lines IAW SB342E with no defects noted. Next due @ 235.5 Tach, 7-2010 or if lines are removed.
- Replaced # 2,3,4,5 & 6 induction tubes gaskets with new P/N 71973.
- C/W SB 08-74-01 R01 Unison Slick Magneto inspection IAW SB 583A by means of replacing cams on both mags with new P/N M3611 (dated 1-7-09) and replacing carbon brushes with new P/N K3215 (dated 11-8-2008) IAW SB 583B. Retimed to engine.
- Ground run normal. Leak check ok.

MAINTENANCE RELEASE: I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition. Pertinent details of this inspection are on file at this repair station under W.O. # 55803

Signed

Chris Gustad

CRS#DDNR793K 3501 Aviation Ave. Sioux Falls, SD 57104

MAINTENANCE RECORD

DATE

TC IN SERVICE

HOURS

DESCRIPTION OF THE WORK PERFORMED

Landmark Aviation

Engine Log

Joe Foss Field
Sioux Falls SD



AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
NUMBER

DATE	MAKE/MODEL	TACH	ETT	REGISTRATION	SERIAL NUMBER
8-12-10	LYC/TIO540-AK1A	213.2	213.2	N1322Y	L-12897-61A

- Complied with 100 hr inspection in accordance with Cessna T182T M/M and FAR 43 Appendix D.
- Changed oil and filter. Serviced with 9 qts. Phillips 20w50 X/C oil and CH48110-1 filter
- Compression check as follows: 1)78/80 2)78/80 3)78/80 4)78/80 5)78/80 6)78/80.
- C/W AD 2008-14-07 (8-14-09) by visual inspection of fuel injection lines IAW SB342E with no defects noted. Next due @ 313.2 Tach, 8-2011 or anytime lines are removed.
- Ground run normal. Leak check ok.

MAINTENANCE RELEASE: I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition. Pertinent details of this inspection are on file at this repair station under W.O. # 56526

Signed Jerry Larsen
Jerry Larsen

CRS#DDNR793K 3501 Aviation Ave. Sioux Falls, SD 57104

Engine Log

Landmark Aviation

Joe Foss Field
Sioux Falls SD

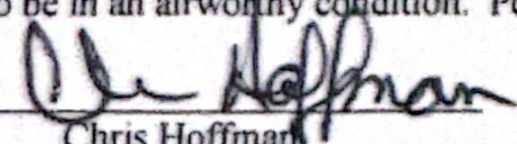


DATE	MAKE/MODEL	TACH	ETT	REGISTRATION	SERIAL NUMBER
8-25-11	LYC/TIO540-AK1A	246.3	246.3	N1322Y	L-12897-61A

- Complied with 100 hr inspection in accordance with Cessna T182T M/M and FAR 43 Appendix D.
- Changed oil and filter. Serviced with 10 qts. Phillips 20W50XC Oil and CH48110-1 Filter.
- Compression check as follows: 1)79/80 2)78/80 3)78/80 4)78/80 5)77/80 6)78/80.
- C/W AD 2008-14-07 (8-14-09) by visual inspection of fuel injection lines IAW SB342F with no defects noted. Next due @ 346.3 Tach, 8-2012 or anytime lines are removed.
- Timed LH & RH Mags to Engine Specs.
- Removed, cleaned, replaced Gaskets with new Gaskets P/N 71973 and reinstalled #1 & #2 Cylinder Induction Tubes.
- Ground run normal. Leak check ok.

MAINTENANCE RELEASE: I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition. Pertinent details of this inspection are on file at this repair station under W.O. # 57177

Signed


Chris Hoffman

CRS# DDNR793K 3501 Aviation Ave. Sioux Falls, SD 57104

ITEM: 14
PN: S3262-6
QTY: 1
U/M: EA
DESC: COUPLING

ORDER: 3620631 SN/LOT: N/A

1. Approving National Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 3620631	
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218					5. Work Order/Contract/Invoice Number: 1225485	
6. Item: 14	7. Description: COUPLING	8. Part Number: S3262-6	9. Eligibility: * N/A	10. Quantity: 1	11. Serial/Batch Number: N/A	12. Status/Work: New
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. PO# 008535						
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.			19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: <i>Keith Thompson</i>		16. Approval/Authorization No.: ODA-100129-CE		20. Authorized Signature:		21. Approval/Certificate No.
17. Name (Typed or Printed): KEITH THOMPSON		18. Date (m/d/y): OCT/02/2012		22. Name (Typed or Printed):		23. Date (m/d/y):
User / Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

Crete Aviation, Crete, NE.

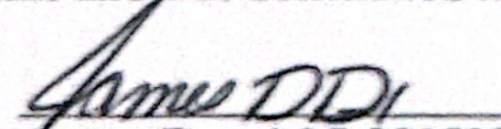
N1322Y Cessna T182T Tach: 269.7 Date 10/09/2012

Completed annual/100hr Inspection in accordance with factory checklist

All routine maintenance performed

- Compressions : #1 79/80, #2 70/80, #3 79/80, #4 74/80, #5 77/80, #6 75/80
- Cleaned and inspected all spark plugs.
- Adjusted magneto to engine timing
- Drained engine oil and serviced with 9qts. Phillips 20-50X/C oil.
- Cut old oil filter open and insp. no contamination found. Installed new oil filter P/N AA48110-2
- Cleaned and inspected oil suction screen
- Inspected exhaust system, installed new turbocharger bypass to tail pipe coupling P/N S3262-6.
- Degreased engine and test run. Operational check good, no leaks noted at this time.
- C/W AD 2011-26-04 by visual inspection, no defects noted. Due ea. 100 hrs. or whenever lines are removed.
- AD 2012-03-06 N/A

I certify that this engine has been inspected in accordance with an annual/100hr inspection at this time and was determined to be in an airworthy condition at this time.

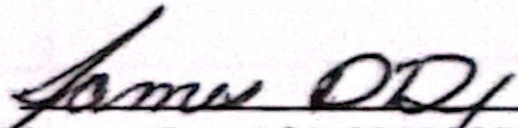

James Dux A&P 28158851A

JD Aviation, Crete NE

N1322Y, Cessna T182T, S/N 18208811, Tach: 273.2 ACTT: 273.2 Date: 2/11/2014

1. Completed and 100hr inspection on this date in accordance with Cessna 182S/T182T maintenance manual and Lycoming TIO-540-AK1A maintenance manual.
2. Compressions: #1 74/80, #2 70/80, #3 76/80, #4 72/80, #5 76/80, #6 74/80
3. Drained oil and service engine with 9qts Phillips 20-50 X/C oil
4. Removed old filter and installed new AA48110-2 filter
5. Installed new intake gasket P/N 71973 and intake boot P/N 69603 on #2 and #5 cylinders.

I certify that this engine has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition at this time.


James Dux A&P 2815885

MAINTENANCE RECORD

JD Aviation
Crete, NE 68333

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

N1322Y, Cessna T182T Tach: 274.2, ACTT: 274.2, Hobbs: 300.2, Date: 4-14-2015

1. Compressions: #1 78/80, #2 70/80, #3 76/80, #4 72/80, #5 74/80, #6 75/80
2. Drained engine oil and service engine with 9qts Phillips 20-50 X/C oil. Removed oil suction screen, inspected, cleaned, and reinstalled. Removed oil filter, cut open and inspected. Installed new AA48110-2 oil filter
3. Removed, cleaned, gapped, rotated, and reinstalled all spark plugs.
4. Checked all AD's thru current revision. See AD list this date for more details

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


James Dux A&P 2815885IA

JD Aviation
Crete, NE 68333

N1322Y, Cessna T182T Tach: 274.2, ACTT: 274.6, Hobbs: 300.6, Date: 06-01-2016

1. Completed an annual inspection in accordance with Cessna 182 Maintenance Manual and 14 CFR 43 Appendix d
2. Inspected ELT and ELT mounting in accordance with 14CFR91.207 (d), no discrepancies noted at this time. Battery Expiration: 11-2019
3. Checked all AD's thru current revision. See AD list this date for more details

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

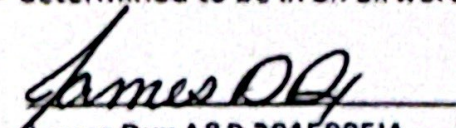

James Dux A&P 2815885IA

JD Aviation
Crete, NE 68333

N1322Y, Cessna T182T Tach: 274.2, ACTT: 274.6, Hobbs: 300.6, Date: 06-01-2016

1. Completed an annual inspection in accordance with Cessna 182 Maintenance Manual and 14 CFR 43 Appendix d
2. Inspected ELT and ELT mounting in accordance with 14CFR91.207 (d), no discrepancies noted at this time. Battery Expiration: 11-2019
3. Checked all AD's thru current revision. See AD list this date for more details

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

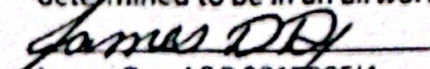

James Dux A&P 2815885IA

JD Aviation
Crete, NE 68333

N1322Y, Cessna T182T Tach: 274.6, Hobbs: 300.6, Date: 06-01-2016

1. Compressions: #1 76/80, #2 76/80, #3 79/80, #4 76/80, #5 77/80, #6 76/80
2. Drained engine oil and service engine with 9qts Phillips 20-50 X/C oil. Removed oil suction screen, inspected, cleaned, and reinstalled. Removed oil filter, cut open and inspected. Installed new AA48110-2 oil filter
3. Removed, cleaned, gapped, rotated, and reinstalled all spark plugs. Installed one new spark plug P/N URHB-37E
4. AD 2015-02-07 N/A due to engine M/N and engine not aerobatic
5. AD 2015-10-06 N/A due to engine M/N
6. C/W AD 2015-19-07 by visual inspection of fuel injector lines. Due ea. 100 hours TIS
7. Checked all AD's thru current revision. See AD list this date for more details

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


James Dux A&P 2815885IA

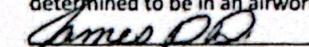
JD Aviation
Crete, NE 68333

DATE	TOTAL TIME IN SERVICE	
	HOURS	10THS

N1322Y, Cessna T182T Tach: 279.5, ETT: 279.5, Hobbs: 300.6, Date: 09-15-2017

1. Compressions: #1 78/80, #2 77/80, #3 78/80, #4 78/80, #5 78/80, #6 74/80
2. Drained engine oil and service engine with 9qts Phillips 20-50 X/C oil. Removed oil suction screen, inspected, cleaned, and reinstalled. Removed oil filter, cut open and inspected. Installed new AA48110-2 oil filter
3. C/W AD 2015-19-07 by visual inspection of fuel injector lines. Due ea. 100 hours TIS
4. Checked all AD's thru current revision. See AD list this date for more details

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


James Dux A&P 28158851A

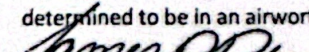
AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

JD Aviation
Crete, NE 68333

N1322Y, Cessna T182T Tach: 280.3, Hobbs: 308.7, Date: 12-26-2018

1. Compressions: #1 75/80, #2 75/80, #3 79/80, #4 78/80, #5 78/80, #6 78/80
2. Drained engine oil and service engine with 9qts Phillips 20-50 X/C oil. Removed oil suction screen, inspected, cleaned, and reinstalled. Removed oil filter, cut open and inspected. Installed new AA48110-2 oil filter
3. C/W AD 2015-19-07 by visual inspection of fuel injector lines. Due ea. 100 hours TIS
4. Checked all AD's thru current revision. See AD list this date for more details

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


James Dux A&P 28158851A

SO#	20-0018	Elevate Air Services LLC.			DATE	16/MAR/2020
REG.	N1322Y	Crete Municipal Airport [CEK]			TACH	280.5
MAKE	Lycoming	MODEL	TIO-540-AK1A	SERIAL NO.	HOBBS	309.3
	Engine	ETT		ETSOH		

Maintenance Record Engine

1. Complied with Annual Inspection/100 Hour referencing the Cessna T182 Series Maintenance Manual Cap 5-10-01 and scope and detail of Title 14 CFR Part 43 Appendix (d). Performed engine/propeller ground run/leak check with no discrepancies noted at this time.
2. Compressions are as follows; #1 76/80 #2 74/80 #3 78/80 #4 68/80 #5 73/80 #6 78/80
3. Cleaned, gapped, and rotated spark plugs.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual/100 Hour inspection as per Title 14 CFR part 91.409 (a)(1) and was determined to be in an airworthy condition.
Dated: March 16, 2020 Shop Order: 20-0018

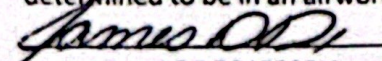
AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

JD Aviation
Crete, NE 68333

N1322Y, Cessna T182T Tach: 280.3, Hobbs: 308.7, Date: 12-26-2018

1. Compressions: #1 75/80, #2 75/80, #3 79/80, #4 78/80, #5 78/80, #6 78/80
2. Drained engine oil and service engine with 9qts Phillips 20-50 X/C oil. Removed oil suction screen, inspected, cleaned, and reinstalled. Removed oil filter, cut open and inspected. Installed new AA48110-2 oil filter
3. C/W AD 2015-19-07 by visual inspection of fuel injector lines. Due ea. 100 hours TIS
4. Checked all AD's thru current revision. See AD list this date for more details

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


James Dux A&P 2815885IA

SO#	20-0018	Elevate Air Services LLC.				DATE	16/MAR/2020
REG.	N1322Y	Crete Municipal Airport [CEK]				TACH	280.5
MAKE	Lycoming	MODEL	TIO-540-AK1A	SERIAL NO.		HOBBS	309.3
	Engine	ETT		ETSOH			

Maintenance Record Engine

1. Complied with Annual Inspection/100 Hour referencing the Cessna T182 Series Maintenance Manual Cap 5-10-01 and scope and detail of Title 14 CFR Part 43 Appendix (d). Performed engine/propeller ground run/leak check with no discrepancies noted at this time.
2. Compressions are as follows; #1 76/80 #2 74/80 #3 78/80 #4 68/80 #5 73/80 #6 78/80
3. Cleaned, gapped, and rotated spark plugs.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual/100 Hour inspection as per Title 14 CFR part 91.409 (a)(1) and was determined to be in an airworthy condition.
Dated: March 16, 2020 Shop Order: 20-0018

Signed: 
Shaun Krzycki
A&P 3624942

Signed: 
James Dux
A&P 2815885IA

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

SU#	21-0025	Elevate Air Services LLC					
REG.	N1322Y	Crete Municipal Airport [CEK]				TACH	280.7
MAKE	Lycoming	MODEL	TIO-540-AK1A	SERIAL NO.		HOBBS	309.6
	Engine	ETT		ETSOH			

Maintenance Record Engine and Propeller

1. Complied with Annual Inspection/100 Hour referencing the Cessna T182 Series Maintenance Manual Cap 5-10-01 and scope and detail of Title 14 CFR Part 43 Appendix (d). Performed engine/propeller ground run/leak check with no discrepancies noted at this time.
2. Compressions are as follows; #1 78/80 #2 70/80 #3 78/80 #4 72/80 #5 78/80 #6 74/80
3. Cleaned, gapped, and rotated spark plugs.
4. Set idle mixture to allow for proper rise at shut-down.
5. Replaced the upper deck pressure lines that were cracking.
6. Replaced the #2,3,4 and 6 rocker box drain tubes that were cracked and seeping.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual/100 Hour inspection as per Title 14 CFR part 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated: May 03, 2021 Shop Order: 21-0025

Signed: 

Shaun Krzycki
A&P 3624942

Signed: 

James Dux
A&P 28158851A

SO#	22-0047	Elevate Air Services LLC.				DATE	05/AUG/2022
REG.	N1322Y	Crete Municipal Airport [CEK]				TACH	283.5
MAKE	Lycoming	MODEL	TIO-540-AK1A	SERIAL NO.		HOBBS	313.7
	Engine	ETT	283.5	ETSOH			

Maintenance Record Engine and Propeller

1. Complied with Annual Inspection/100 Hour referencing the Cessna T182 Series Maintenance Manual Cap 5-10-01 and scope and detail of Title 14 CFR Part 43 Appendix (d). Performed engine/propeller ground run/leak check with no discrepancies noted at this time.
2. Compressions are as follows; #1 78/80 #2 70/80 #3 78/80 #4 72/80 #5 78/80 #6 74/80
3. Cleaned, gapped, and rotated spark plugs.
4. Drained engine oil, removed oil filter. Replaced with new filter P/N AA48110-2 and added 11 quarts of Phillips X/C 20W50 oil.


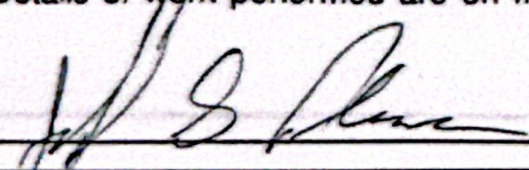
I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual/100 Hour inspection as per Title 14 CFR part 91.409 (a)(1) and was determined to be in an airworthy condition.
Dated: August 05, 2022 Shop Order: 22-0047

Signed: _____

Shaun Krzycki
A&P 3624942IA

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div> <div>wo: WO_286</div> <div>Engine Annual · page 1 of 1</div> <div>  </div> <div>Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587</div> </div>	
			<div> <div> N1322Y HOBBS: 331.0 </div> <div> LYCOMING, TIO-540-AK1A, S/N: L-12897-61A TACH: 298.0 </div> <div> September 13, 2023 </div> </div>	
			<ol style="list-style-type: none"> 1. C/W Annual Inspection in accordance with FAR 43 Appendix D using - Cessna 182/T182 Maintenance Manual as a guide. 2. Drained oil and serviced. Installed (9) P/N Phillips X/C 20W50 - Oil. 3. Removed and cut open oil filter. NDN Installed P/N AA48108-2 - TEMPEST OIL FILTER. 4. Checked Compressions #1/79/80 # 3 79/80 #5 79/80 #2 78/80 #4 78/80 #6 79/80 MO 45. 5. Checked Magneto timing NDN. 6. C/W AD 15-19-07 External fuel injector lines by visual inspection. Due every 110 hours or maintenance when clamp is moved or loosened. 	
			<p>I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_286.</p>	
			<div> Jeff Pleiman A/P I/A 3304319  </div>	

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THE OHIO STATE
UNIVERSITY
AIRPORT

THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case road
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 05/21/2024

N# 1322Y

Aircraft Make/Model: Cessna / T182T

Serial# T18208811

Tach Time: 311.6

Hobbs Time: 347.0


Aircraft Log:

1. Corrected GTX 345R backplate installation referencing Garmin GTX 3XX Part 23 AML STC Installation Manual, PN: 190-00734-10, Section 5.4.3.
2. ATC Transponder Tests and Inspections required by FAR 91.413 have been performed IAW FAR 43, Appendix F.

The aircraft and/or component listed above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Work Order No. AV02334

Signature: _____

END


Charles Jenkins

for CRS# IKBR028F

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THE OHIO STATE
UNIVERSITY
AIRPORT

THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case road
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 06/05/2024

N# 1322Y

Aircraft Make/Model: Cessna / T182T

Serial# T18208811

Tach Time: 314.0

Hobbs Time: 350.0

Aircraft Log:

1. Removed existing GMU 44 PN: 011-00870-00 SN: 47507838 and installed Garmin (G6XR582Y) Overhauled GMU 44 PN: 011-00870-00 SN: 47505484 referencing Textron Cessna Model 182 (Series 1997 and on) MM, Chapter 34-22-10, Section 2.
2. Removed existing GTX345R PN: 011-03303-41 SN: 3EH440614 and installed Garmin (G6XR582Y) Overhauled GTX345R PN: 011-0330-41 SN: 3EH440723 referencing Textron Cessna Model 182 (Series 1997 and on) MM, Chapter 34-53-10, Section 4.
3. ATC Transponder Tests and Inspections required by FAR 91.413 have been performed IAW FAR 43, Appendix F.

The aircraft and/or component listed above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Work Order No. AV02341

Signature: _____

END


Charles Jenkins

for CRS# IKBR028F

DATE



Rise Up Aviation
130 Barklow Rd
Portsmouth, OH 45662
USA

Make: Lycoming
Model: TIO-540-AK1A
Tail: N1322Y
S/N: L-12897-61A

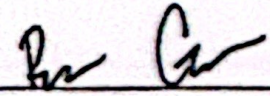
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YPE

Hours: Hobbs:377.8 Tach: 338.9 TTE: 338.9

Performed annual inspection on engine I/AW FAR:43 Appendix :D checklist. Engine wash not needed for inspection. Inspected and lubed all control cables, pressurized intake and exhaust to leak check. Found satisfactory. Checked all hoses, tubing, and injector and lines, removed and cleaned fuel bowl and screen, reinstalled with new gasket. Checked Magneto to engine timing, Removed all 12 spark plugs, Installed 12 new spark plugs P/N:URHB37E, torqued to 33 ft pds. Drained crankcase oil. Removed oil filter, And suction screen, Cleaned screen and reinstalled with new AN-900 crush gasket, and safety wired. cut open old oil filter to inspect. No Contaminants present. Installed new Tempest filter AA48110-2 torqued to 16.5ft. and safety wired filter. Serviced crankcase with 9 Qts. of Philips X/C 20W50.. Comp as follows #1=74/80, #2=73/80, #3=70/80, #4=70/80,#5=71/80, #6=76/80. Retorqued all exhaust nuts. Removed all 6 rocker cover gaskets and installed new gaskets P/N:RG-75906-SP, torqued to 25 in pds, verified 20 in pd torque after run up.(see COC in onwers records under PO# 130120. Ran engine for ops & Leaks check, both Checked OK. Found Satisfactory No defects noted at this time Checked AD's through 10/2024 see Ad compliance list .—END—

(C/W: AD:84-26-02) Complied with By visual inspection next due 10/2024 Tach:438.9
(C/W: AD: 15-19-07) Complied with in Accordance with Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G, diagram #23 page 31 Next DUE:102/2025 Tach:438.9 or if and maintenance is performed on injectors or if clamps are moved
(C/W: AD:23-23-09) Spot-Welded, Multi-Segment V-Band Clamps: Per paragraph (i)(i) less than 500 hrs on part. And Par (K) by visual No defects noted, Next due 10/2025 or Tach:388.9 for visual—

I hereby certify that this engine was inspected in accordance with an Annual Inspection in the scope and detail of 14 CFR Part 43, Appendix D and is determined to be in an airworthy condition as of the date of this logbook service record.

Signed: 
Name: Robert Coyle AP3150828IA

Cert: AP3150828IA
Date: 10/04/2024



Rise Up Aviation
130 Barklow Rd
Portsmouth, OH 45662
USA

Make: Lycoming
Model: TIO-540-AK1A
Tail: N1322Y
S/N: L-12897-61A

Hours: Tach: 368.9 TTE: 368.9 Hobbs:412.3

R&R both side cowling, Drained crankcase of oil, removed filter and cut open to inspect, removed oil return screen to inspect. No particles found at this time. reinstalled oil return screen with new an900-16 gasket and safety wired. serviced crankcase with 9 qts of aeroshell 15 w50, installed new oil filer P/N:AA48110-2 dry torqued to 17.5 ft pds, and safety wired all work done I/A/W, tempest and cessna 182 manuals, Ran engine for ops and leak check, both found satisfactory .—END—

Signed:


Name:

Robert Coyle AP3150828IA

Cert: AP3150828IA

Date: 07/18/2025

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
<p>0</p> <p>THE OHIO STATE UNIVERSITY</p> <p>THE OHIO STATE UNIVERSITY AIRPORT</p> <p>2160 West Case road</p> <p>Columbus, Ohio 43235-2526</p> <p>CRS# IKBR028F</p> <p>Date: 06/11/2024</p> <p>Aircraft Make/Model: Cessna / T182T</p> <p>Tach Time: 314.0</p> <p><u>Aircraft Log:</u></p> <ol style="list-style-type: none"> Removed existing landing and taxi lights and installed new LED landing light PN: 01-0772103-10 SN: 0734 and taxi light PN: 01-0772102-15 SN: 7717 referencing Textron Cessna Service Bulletin SB-33-02 New weight and balance has been made to reflect these changes dated 06/13/2024. <p>The aircraft and/or component listed above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Work Order No. AV02341</p> <p>Signature:  for CRS# IKBR028F</p> <p>Charles Jenkins</p>			