Engine Log & Maintenance Record

LOG #:_____

RECORD OF C.A. TECNAM (MAKE) P2010 (MODEL) 144/US (SERIAL)

AIRCRAFT REGISTRATION NUMBER: N 118T

FROM 08 JUNE 2021 TO _____ 20___

DETAILING TIME FROM 0.0 (HOURS) TO _____ (HOURS)

If used on a multi-engine aircraft: _____Right _____Left _____Front _____Rear

New Reciprocating Engine Certificate

LYCOMING™

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number	ENPL-RT10951
Serial Number	L-1485-80E
Engine Model	IO-390-C3B6
Work Order	KM777565
Total Time	0

[redacted]

Authorized Representative Date

Production Certificate #3

[redacted]

Form 777C Rev 05/13

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airworthy condition.

Aaron Degnan **A&P** [redacted] Date: **11/15/22**
Signature: [redacted]

Created **12/06/2022** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1084.80** TTIS **1084.80**

Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1084.80**

Completed Annual inspection in accordance with Appendix D of part 43 with reference to Lycoming EMM
Drained and replaced 5 qts of 20w-50 XC Phillips oil, and replaced oil filter with AA48110-2

Cleaned, gapped, and rotated spark plugs with reference to Lycoming EMM

Compression check performed cold due to seats removed and no ability to run engine: #1: 71/80, #2: 59/80, #3: 72/80, #4: 76/80

Replaced leaking fuel pressure transmitter
Checked A/D's thru bi-weekly summary 2022-20, all other A/D's NA or PCW

#1 Non air worthy condition: Compression check failed @ 59/80 psi on #2 cylinder. Requires compression check reperformed with engine @ normal operating temp or issue investigated and repaired.

I certify that this engine has been inspected in accordance with annual inspection and was determined to be in NON airworthy condition pending the compression issue noted above.

Aaron Degnan **A&P** [redacted] Date: **12/6/22** Signature: [redacted]

[redacted]

3/6/23, 7:46 AM

100HR - N118T Tecnam P2010

Created **02/07/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1185.20** TTIS **1185.20**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1185.20**

- Completed 100/25 hour inspection in accordance with Appendix D of part 43 with reference to Lycoming IO-390-C Engine Maintenance Manual
- Drained oil, cleaned screen, and replaced oil filter CH48110-1
- Serviced with 6 qts of Phillips XC 20W-50
- Removed, cleaned, gapped, resistance checked, and re-installed spark plugs.
- All ADs NA or PCW
- Completed Compression Check, Check found OK IAW IO-390-AMM

I certify that this engine has been inspected in accordance with a 100hr inspection as per the Tecnam AMM, with reference to the AC 43.13 appendix and was determined to be in airworthy condition.

Zachary Singer **A&P** [redacted] Date: **2/7/23** Signature: [redacted]

Brought Forward: _____

Total to Date: _____

a certified mechanic, and his/her rating and certificate number MUST be shown.

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Created **03/01/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1250.40** TTIS **1250.40**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1250.40**

- Completed **50**hr with reference to Lycoming IO-390-C Maintenance Manual
- Drained oil and replaced oil filter with CH48110-2 IAW 12-10 in Lycoming MM-IO-390-C
- Serviced with 6 quarts of Phillips 20W/50 XC
- Inspected oil suction screen and replaced plug gasket
- Inspected, cleaned and re-gapped plugs

certify that this engine has been inspected in accordance with Lycoming IO-390-C 50HR inspection and was determined to be in airworthy condition

Zachary Singer **A&P** [redacted] Date: **3/1/23** Signature: [redacted] A&P [redacted]

Created **03/14/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1298.00** TTIS **1298.00**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1298.00**

- Completed 100hr inspection in accordance with Appendix D of part 43 with reference to Lycoming IO-390-C Engine Maintenance Manual
- Drained oil, cleaned screen, and replaced oil filter CH48110-1
- Serviced with 6 quarts of Philips 20W/50
- Removed, cleaned and gapped spark plugs with reference to Lycoming service instruction No. 1042AH
- Compression check: #1:__72_/80, #2:72___/80, #3:_76__/80, #4:_76__/80
- Checked A/D's thru bi-weekly summary and all other A/D's NA or PCW

I certify that this engine has been inspected in accordance with 50/100 HR IAW Lycoming AMM 72-30 inspection and was determined to be in airworthy condition. [redacted] A&P

Created **05/08/2023** **N118T Tecnam P2010** S/N **144/US.**
Engine 1 **1397.60** TTIS **1397.60**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1397.60**

Created **05/08/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1397.60** TTIS **1397.60**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1397.60**

- Completed 100hr inspection in accordance with Appendix D of part 43 with reference to Lycoming IO-390-C Engine Maintenance Manual

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					

Created **03/01/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1250.40** TTIS **1250.40**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1250.40**

- Completed **50**hr with reference to Lycoming IO-390-C Maintenance Manual
- Drained oil and replaced oil filter with CH48110-2 IAW 12-10 in Lycoming MM-IO-390-C
- Serviced with 6 quarts of Phillips 20W/50 XC
- Inspected oil suction screen and replaced plug gasket
- Inspected, cleaned and re-gapped plugs

certify that this engine has been inspected in accordance with Lycoming IO-390-C 50HR inspection and was determined to be in airworthy condition

Zachary Singer **A&P** [redacted] Date: **3/1/23** Signature: [redacted] A&P [redacted]

Created **03/14/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1298.00** TTIS **1298.00**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1298.00**

- Completed 100hr inspection in accordance with Appendix D of part 43 with reference to Lycoming IO-390-C Engine Maintenance Manual
- Drained oil, cleaned screen, and replaced oil filter CH48110-1
- Serviced with 6 quarts of Philips 20W/50
- Removed, cleaned and gapped spark plugs with reference to Lycoming service instruction No. 1042AH
- Compression check: #1:__72_/80, #2:72___/80, #3:_76__/80, #4:_76__/80
- Checked A/D's thru bi-weekly summary and all other A/D's NA or PCW

I certify that this engine has been inspected in accordance with 50/100 HR IAW Lycoming AMM 72-30 inspection and was determined to be in airworthy condition.

[redacted] [redacted]

Created **05/08/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1397.60** TTIS **1397.60**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1397.60**

- Completed **50**hr with reference to Lycoming IO-390-C Maintenance Manual
- Drained oil and replaced oil filter with CH48110-2 IAW 12-10 in Lycoming MM-IO-390-C
- Serviced with 7 quarts of Phillips 20W/50 XC
- Inspected oil suction screen and replaced plug gasket
- Inspected, cleaned and re-gapped plugs

I certify that this engine has been inspected in accordance with Lycoming IO-390-C Maintenance Manual inspection and was determined to be in airworthy condition.

Wes Chesnut **A&P** [redacted] Date: **5/8/23** Signature:

[redacted]

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Created **05/08/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1397.60** TTIS **1397.60**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1397.60**

- Completed 100hr inspection in accordance with Appendix D of part 43 with reference to Lycoming IO-390-C Engine Maintenance Manual
- Drained oil, cleaned screen, and replaced oil filter CH48110-1
- Serviced with 7 quarts of Phillips 66 X/C
- Serviced spark plugs with reference to Lycoming service instruction No. 1042AH
- Compression check: #1: 72/80, #2: 72/80, #3: 76/80, #4: 76/80
- Checked A/D's thru bi-weekly summary 2022-21, all other A/D's NA or PCW

I certify that this engine has been inspected in accordance with Lycoming IO-390-C Engine Maintenance Manual inspection and was determined to be in airworthy condition.

[redacted]

Wes Chesnut **A&P** [redacted] **Date: 5/8/23** Signature:

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K20422

Brought Forward: _____

Total to Date: _____

All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

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	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Sig
GHT FORWARD				

Created **06/26/2023** **N118T Tecnam P2010** S/N **144/US.** Engine 1 **1506.60** TTIS **1506.60**
Lycoming IO-390-C3B6 S/N **L-1485-80E** TTSN **1506.60**

- Completed **50hr** with reference to Lycoming IO-390-C Maintenance Manual
- Drained oil and replaced oil filter with CH48110-2 IAW 12-10 in Lycoming MM-IO-390-C
- Serviced with 7 quarts of Phillips ~~20W/50 XC~~ 66 X/C (WCC)
- Inspected oil suction screen and replaced plug gasket
- Inspected, cleaned and re-gapped plugs

I certify that this engine has been inspected in accordance with 50 Hour **inspection and was determined to be in airworthy condition.**

Wes Chesnut **A&P** [redacted] Date: **6/26/23** Signatur[redacted]

Engine Log

Serial #

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licen
OUGHT FORWARD					
	1457.0		RPM STARTER OPS check good. [redacted]	A&P	

Date	T
BROUGHT	

Created 06/13/2023 N118T Tecnam P2010 S/N 144/US. Engine 1 1496.30 TTIS 1496.30

Lycoming IO-390-C3B6 S/N L-1485-80E TTSN 1496.30

- Completed 100hr inspection in accordance with Appendix D of part 43 with reference to Lycoming IO-390-C Engine Maintenance Manual
- Drained oil, cleaned screen, and replaced oil filter CH48110-1
- Serviced with 7 quarts of Phillips 66 X/C
- Serviced spark plugs with reference to Lycoming service instruction No. 1042AH
- Compression check: #1: 72/80, #2: 72/80, #3: 76/80, #4: 76/80
- Checked A/D's thru bi-weekly summary 2022-21, all other A/D's NA or PCW

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

Wes Chesnut A&P [redacted] **Date: 6/13/23** Signature: [redacted] [redacted] A/P

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YEAR: 2023 DATE	ENGINE TOTAL TIME SINCE NEW	Engine TSO	**Work Performed: Inspections, Tests, AD´s, SB´s, Repairs and Alterations.** Entries must contain: Name, Signature, Certificate Number and Kind of Certificate held by the person approving the work (Ref. FAR 43.9 and 43.11). For Repair Stations: Name, Authorized Signature and CRS Number.
8-8	1573.2		I Certify that this aircraft has been inspected IAW the Lycoming 400 HR and was determined to be in an airworthy condition. [redacted] A/P
8-9	1573.2		I Certify that this aircraft has been inspected IAW the Lycoming 100 HR and was determined to be in an airworthy Condition. [redacted] NP

YEAR: 2023 DATE	ENGINE TOTAL TIME SINCE NEW	Engine TSO	**Work Performed: Inspections, Tests, AD´s, SB´s, Repairs and Alterations.** Entries must contain: Name, Signature, Certificate Number and Kind of Certificate held by the person approving the work (Ref. FAR 43.9 and 43.11). For Repair Stations: Name, Authorized Signature and CRS Number.
8-20	1610.7		Pulled Nozzles to Check for proper spray. Change Oil & filter in 50 Hour Lycoming IO-390 Emm Req. Added 4 Qt. of 100W. Ops Checked. Airworthy. [redacted] A/P
9-7	1643.7		I certify that this engine has been inspected IN accordance with 50 hour inspection and was determined in airworthy condition. Changed oil and filter and added 7 quarts of oil in accordance with Lycoming IO-390 C series MM. Ops and leak checked. [redacted] A.P [redacted]

YEAR: 2023 DATE	ENGINE TOTAL TIME SINCE NEW	Engine TSO	**Work Performed: Inspections, Tests, AD's, SB's, Repairs and Alterations.** Entries must contain: Name, Signature, Certificate Number and Kind of Certificate held by the person approving the work (Ref. FAR 43.9 and 43.11). For Repair Stations: Name, Authorized Signature and CRS Number.
9-26	1670.7	1670.7	Completed 100 HR engine Requirements IAW Lycoming SMM. Certify that this aircraft has been inspected and determined to be in an airworthy condition. [redacted] A/P
9-26	1670.7	1670.7	I certify that this aircrafts 200 HR Requirements have been met IAW the Lycoming/Textron SMM. No defects Noted. [redacted] A/P

YEAR: 2023 DATE	ENGINE TOTAL TIME SINCE NEW	Engine TSO	**Work Performed: Inspections, Tests, AD's, SB's, Repairs and Alterations.** Entries must contain: Name, Signature, Certificate Number and Kind of Certificate held by the person approving the work (Ref. FAR 43.9 and 43.11). For Repair Stations: Name, Authorized Signature and CRS Number.
10-4	1684.3	1684.3	Removed Magnetos as impulse was worn. RH Side P/N Off: 4370 SN Off: 21020887 P/N ON: 4370 SN ON: 22050099. LH Side P/N Off: 4345 S/N Off: 21030753 P/N ON: 4345 S/N ON: 21051133 Wired Correctly, Ops Checked. Airworthy [redacted] A/P [redacted] All work Done IAW Lycoming 10-360-C2D EMM. Magnetos are Repaired. This resigns the 500 Hour Off
		x	
10-9	1685.8	1685.8	Replaced all Rocker Arm Gaskets, Covers. IAW Lycoming EMM. No Leaks [redacted] A/P [redacted]

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

Wes Chesnut A& [redacted] : 6/13/23 Signature: [redacted] A/P

Created 06/24/2023 N118T Tecnam P2010 S/N 144/US. Engine 1 1499.30 TTIS 1499.30
Lycoming IO-390-C3B6 S/N L-1485-80E TTSN 1499.30

Complied with 500 hour inspection on Aircraft magnetos. Removed magnetos and installed overhauled magnetos.
L/H Magneto: P/N off: 4345 S/N off: 21051133
L/H Magneto: P/N on: 4345 S/N on: 21030753

R/H Magneto: P/N off: 4370 S/N off: 22050099
R/H Magneto: P/N on: 4370 S/N on: 21020887

Completed timing and ops check of magnetos with no discrepancies noted IAW IO-390-C Series Engine Maintenance Manual
I certify that this engine has been inspected in accordance with 500 hour inspection and was determined to be in airworthy condition.

Wes Chesnut A&P [redacted] Date: 6/24/23 Signature: [redacted] A/P

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AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States		T7582-1133

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
[redacted] ndiantown, Florida 34956 United States 561-964-8770	T7582

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	SLICK MAGNETO	4345	1	21051133	REPAIRED

12. Remarks THIS MAGNETO HAS BEEN DISASSEMBLED, CLEANED, 500 HOUR INSPECTION COMPLETED, REPAIRED AND BENCH TESTED SUCCESSFULLY PER CHAMPION-SLICK SERVICE MANUAL F-1100 WITH SLICK AND OR PMA PARTS.

13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		14a. ✓ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: [redacted]	14c. Approval/Certificate No.: [redacted]
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Mark Young	14e. Date (MM/DD/YYYY): July 10, 2023

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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.

FAA Form 8130–3 (02–14)

NSN: 0052-00-012-9005

Tropic Airpower
FAA CRS T7KR187Y
[redacted]
INDIANTOWN, FLORIDA 34956-329

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States		T7582-0099

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Trop[redacted] Indiantown, Florida 34956 United States 561-964-8770	T7582

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	SLICK MAGNETO	4370	1	22050099	REPAIRED

12. Remarks THIS MAGNETO HAS BEEN DISASSEMBLED, CLEANED, 500 HOUR INSPECTION COMPLETED, REPAIRED AND BENCH TESTED SUCCESSFULLY PER CHAMPION-SLICK SERVICE MANUAL F-1100 WITH SLICK AND OR PMA PARTS.

13a. Certifies the items identified above were manufactured in conformity to:	14a. ✓ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.	Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14c. Approval/Certificate No.:
	[redacted]	[redacted]
13d. Name (Typed or Printed):	**13e. Date (dd/mmm/yyyy):**	**14d. Name (Typed or Printed):** / **14e. Date (MM/DD/YYYY):**
		Mark Young / July 10, 2023

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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.

Tropic Airpower [redacted]