

ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T 20609685

NHEUM

ENGINE MODEL AND SERIAL TIO-540-AJIA

L-14645-61E

D5518-3-13

INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

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MAINTENANCE RECORD

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|-------------|------------|-------|-----------------------------------|-------------------------------------------|--|--|
| DATE | IN SERVICE | | | AUTHORIZED CICALATA DE | | |
| | | | DESCRIPTION OF THE WORK PERFORMED | AUTHORIZED SIGNATURE, CERTIFICATE TYPE | | |
| <u>2022</u> | HOURS | 10THS | | & NUMBER | | |
| ٠١. | | | | V HOMBETT | | |

New Reciprocating Engine Certificate

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.

CYCONNING

Part Number ENPL-RT10658
Serial Number L-14645-61E
Engine Model TIO-540-AJ1A
Work Order KM794547

Work Order
Total Time

Form 777C Rev 05/13

Authorized Representative

Date

Production Certificate #3

652 Oliver Street Williamsport, PA 17701 U.S.A. Lycoming Engines is a division of Avco Corporation

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| DATE | TOTAL TI IN SERVI HOURS 1 | | | DESC | RIPTION OF THE | WORK PER | FORMED | | | AUTHORIZED SIGNA CERTIFICATE TY & NUMBER | |
| | | Serial # | A/C Unit# | # | Date | City ID | Total A/C Hours | Total A/C Landings | Total En | • ······ | |
| | Engin with TTAF Work Performe I certify the with the curren Work inspe Cer | 6.7 This engine ed by TEXT at the above t regulations cted by tificate No. Is of this ma | RON AVIATIO stated mainte s of the Feder Larry C Che PC-4 aintenance are | | PC-4 Date now a performed in Date now as performed in Date now a performance i | 50 and Champi e 1/APR/202 accordance 1/APR/202 //Service Order | on CH48110- 2 2 | | 6.7 t S/N | T20609685 | |
| AIRCRAFT IS IN AIRWORTHY CONDITION RETURN TO SERVICE | 04/05/2024 TACH 244.8 DRAINED ENGINE OIL, REMOVED AND REPLACED FILTER, INSPECTED FILTER AND OIL PICKUP SCREEN NO NOTE ABLE DEBRIS, FILLED ENGINE WITH 10QTS PHILLIPS 20W50XC. RUN UP AND LEAK CHECK ENGINE GOOD I CERTIFY THAT MAINTENANCE PERFORMED TO THIS | • , | DEAN RILEY AP2645280IA | | N46NM SOUND MAINTENANCE 11/09/2023 TACH 195.2 | FOUND TO BE IN AIRWORTHY CONDITION RETURN TO SERVICE BRIAN COLE AP3088036IA BRIAN COLE AP3088036IA | CHAFFING, TIGHTENED ROCKER DRAIN HOSES. RUN-UP ENGINE. I CERTIFY THAT THE INSPECTION AND MAINTENANCE OF THIS AIRCRAFT HAS BEEN PERFORMED IN ACCORDANCE WITH MANUFACTURE CHECKLIST AND FAR 43. AND WAS | 5/1/2023 TACH 114.5 TTE 114.5 PERFORMED 100HR/ANNUAL INSPECTION PER MANUFACTURE CHECKLIST AND FAR 43. COMPRESSION CHECK, #1)78/80 #2)79/80 #3)79/80 #4)76/80 #5)79/80 CLEAN GAP AND ROTATE SPARKPLUGS, CHECK MAGNETO TO ENGINE TIMING, REPAIRED #2 | N46NM SOUND MAINTENANCE | DRAINED ENGINE OIL, REMOVED AND REPLACED FILTER, INSPECTED FILTER AND OIL PICKUP SCREEN NO NOTE ABLE DEBRIS, FILLED ENGINE WITH 9QTS PHILLIPS 20W50XC. RUN UP AND LEAK CHECK ENGINE GOOD. I CERTIFY THAT MAINTENANCE PERFORMED TO THIS AIRCRAFT IS IN AIRWORTHY CONDITION RETURN TO SERVICE QUINN EDGINGTON AP4125077 | .— |



Island Air Maintenance LLC 72 Airport Circle Friday Harbor WA 98250 3603782376

Make: Lycoming

Model: TIO=540-AJ1A

Tail:

N46NM

S/N: L-14645-61E

| Hours: | AC: 259.1 | TT: 259.1 | EngTT: 259.1 | PropTT: 259.1 | 1 |
|--------|-----------|-----------|--------------|---------------|---|
|--------|-----------|-----------|--------------|---------------|---|

Complied with annual Inspection as per CFR part 43 Appx D
Corroded adel clamp at #1 Cyl. intake drain, replaced with new MS21919-DG2 clamp.

Cylinder Head oil drain tubes leaking at 12 hose clamp locations. Tightened all hose clamps as needed. Cleaned up oil

Cylinder #5 exhaust riser cracked, installed new p/n 40 \$29468 exhaust segment.

Replaced all LW-18234 exhaust gaskets in 6 locations. 78246 V band gasket replaced and turbo junction.

Ignition harness damaged. Installed new p/n M2965R Ignition Harness at L/H Magneto.

CW AD17-11-10- Engine Exhaust system leaks by visual inspection and torque check of exhaust flange nuts as specified in AD. Next due tach 284.1 for visual inspection, Tach time 359.1 for torque check.

C/W AD15-19-07 Fuel injector fuel lines and clamps by visual means as specified in AD. Next due in tach 369.1

C/W AD23-09-09 Exhaust tail pipe V-band coupling by Visual means as specified in AD. Next due in 12 months. This angine has been inspected in accordance with an apputal inspection as per CFR 43 appy D and is found to the coupling by Visual means as the coupling by D and is found to the coupling by D and I apply D This engine has been inspected in accordance with an annual inspection as per CFR 43 appx D and is found to be airworthy at this time and date. This engine is released from maintenance.

Signed:

Cert: AP3088036IA

Date: 06/12/2024

Name: **Brian Cole**











DATE

TOTAL TIME IN SERVICE HOURS

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER





CSN/CSO: N/A / N/A





289 E Perimeter Rd. Renton, Washington 98057 United States

Telephone: 425-204-0845

www.aceaviationinc.com

Manufacturer: Lycoming Div Avco Corp Textron Part/Model number: TIO540AJ1A

Work Order No: 5895

Hour Meter: 290.9

TSN/TSO: 290.90 / N/A

Serial Number: L-14645-61

Date: 8/21/2024

Squawk

2.1 Complied with Lycoming AD 17-11-10. Inspected exhaust system and torque checked all exhaust flange bolts. No discrepancies noted at this.time. Next due 390.9.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 5895.

Song Kim (SONG)

AP 4368224

| | | | MAINTE | NANCE RECORD | | | | | |
|----------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|-------------------------------------------------------|-----|--|
| DATE | | TIME RVICE 10THS | DESCRIPTION OF THE WORK PERFORMED | | | | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER | | |
| 14 duly 2025 | 402 | 0 | Removed oil filter, cut fil debis noted. Installed ne torqued and saffied. Removed free hal compression connected ignition leads P check the oil filter. NO leaks customer supplied but to | test, remstable erformed ground noted this tal | d spark p d run to led ≤ix | leak (6) | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 3 | |
| | | | Aircraftreturned to ser | vice-this date | _ | | KS S. | | |
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| | | \brows A | | | | | | RE, | |
| A | | Ahrens A I15 Aero | view Lane | Make: | | Cessna) | | - | |
| • | × E | | nd, Washington 98245 | Model: Tail: | T206H | | | | |
| | | | | | N46NM | | | | |
| | | | | S/N: | T206-968 | 35 | | | |
| Hour | s: F | POWER | PLANT TT: 402.1 Tach; 402.1 TSMOH: 40 | 02.1 | | | | | |
| Left F Rotar Fuel I Failur Engin | uel Mani y Fuel Pu Lines and e was no e Run-U | ifold Pre- ump Lea d Clamps of compli p. All wo | on check #1-80 #2-80 #3-78 #4-80 #5-79 ing. Oil change not due at this time. Rem ssure Line. Installed new baffle spark pluses, 2009-02-03: RSA-5 or RSA-10 Series, 2017-11-10: Engine Exhaust System Lived with at this time. Ork done IAW Manufacturers Service Manuace performed to this aircraft is in airworth. | oved right strobe light a g access plugs and sec s - Fuel Injection Servo eaks, No oil change nee uals and AC 43.13. | ind routed for ured. Plug Gasket, eded, AD 202 | r warranty re | pair. Replaced | | |
| Siana | d. | | | | | | | | |
| Signe | | - | | | Cert: | 4850672 | A&P | | |
| Name | e: Lo | oren Ahr | ens | | Date: | 07/17/202 | 25 | | |

MAINTENANCE RECORD DATE TOTAL TIME AUTHORIZED SIGNATURE, IN SERVICE DESCRIPTION OF THE WORK PERFORMED CERTIFICATE TYPE HO Island Air Maintenance LLC Make: Cessna 72 Airport Circle Model: T206 Friday Harbor WA 98250 ISLAND AIR Tail: N46NM 3603782376 T20609685 S/N: Hours: Hobbs: 426.1 Adjusted engine idle to 650 RPMs Adjusted engine idle mixture to provide 20 rpm rise at shutdown.

Performed several engine runs, going from 1800 rpms to idle with no indication of engine wanting to die. Released from maintenance airworthy, Work done IAW Textron AMM Ch 70-90-01 section 7 Idle mixture adjustment. Signed: Cert: AP3799974 Name: Gary Ehrheart Date: 12/16/2024 DATE TOTAL TIME AUTHORIZED SIGNATURE, **Engine Annual Inspection** IN SERVICE CERTIFICATE TYPE HOURS 10THS & NUMBER Date 7/17/25 Tach 402. | TSMO 402. | Comp #1 &6 /80, #2 &6 /80, #3 78 /80, #4 60 /80, #5 79 /80, #6 78 /80 All AD's have been compiled with and listed in log Book. I certify that this engine has been inspected in accordance with an annual Inspection per FAR 43 part D and found it to be in airworthy condition on this date. David Riffle A&P/IA 2046875