

ERA24LA211

MAINTENANCE LOGBOOK EXCERPTS

T. W. SMITH ENGINE CO., INC.
HANGAR #1 • LUNKEN AIRPORT • CINCINNATI, OHIO 45226

MAINTENANCE RELEASE

The aircraft and/or component identified above was overhauled and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency. CERTIFIED REPAIR STATION
No. CB1R054K

Work Order No. E5386 Date: 11-1-97
Model: IO-540-K1A5 Serial No. L-8401-48
Date Re-built 10-29-97
Total Accumulated Time 3092.0 HOURS [REDACTED]
Signed: [REDACTED]

The above listed component has been overhauled and inspected, and test run as prescribed by manufacturer's specifications. All steel parts magnafluxed and non-ferric parts zygloed. No further run-in of the installation is required. List of manufacturer's bulletin and AD Notes complied with, recorded in back of logbook.

2025/01/29 14:55

PROP
OH

Photograph 1 - Most recent engine overhaul.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.	DATE
TAC 3169	TT 4522		
SMOH 1430			

Aircraft Engineering, Inc.
 Bldg. 434 Bartow Airport
 Bartow Florida 33830
 863.533.1870 IA # [REDACTED]

ANNUAL STATEMENT

N908DK

Date	2/16/2018	SMOH	1430
TACH	3169	Total Time	4522

I certify that this **Engine** has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition.

AD'S checked [REDACTED] file
 For details see [REDACTED]

Bill Turley Signature Inspection Authorization # [REDACTED]

Aircraft Engineering, Inc.
 Bldg. 434 Bartow Airport
 Bartow Florida 33830
 863.533.1870 IA # [REDACTED]

DATE: 2/16/2018 TACH: 3169
 N908DK ENGINE WO# A 11815

- 1 ANNUAL INSPECTION COMPLETED
- 2 COMPRESSION TESTED TO 80 PSI: (1) 70 (2) 76 (3) 74 (4) 76 (5) 76 (6) 76
- 3 CHANGED OIL AND FILTER, SERVICED WITH 11 QT 100W
- 4 REMOVED AND REPLACED EGT AND CHT TERMINAL CONNECTORS WITH NEW
- 5 REMOVED AND REPLACED PROPELLER GOVERNOR WITH NEW P/N ATF4-4A S/N 174058 AND SET TO SPECS
- 6 REMOVED AND REPLACED ENGINE FUEL AND OIL HOSES WITH NEW, P/N 124F001-3CR0303, P/N 124F001-4CR0152, P/N 124F001-4CR0182, P/N 124F001-6CR0142, P/N 124F001-4CR0344, P/N 124F001-4CR0082, P/N 124F001-6CR0192, P/N 124003-4CR0116, AND P/N 124003-4CR0110
- 7 REMOVED AND REPLACED ALT AIR ARM AND SWIVEL WITH NEW ASSEMBLY
- 8 AD 03-14-3 FUEL PUMP TORQUE CHECK COMPLETED
- 9 REPAIRED AIR FILTER LID, INSTALLED BOLTS AND REFIT
- 10 TEST RUN UP NORMAL

Photograph 2 - 2018 Engine annual inspection

Photograph 3 - 2022 Engine annual inspection

INSPECTION & MAINTENANCE RECORD		
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE
TAC	3253	
TT	4606	
TT	1514	
SMOH		

Aircraft Engineering, Inc.
 Bldg. 434 Bartow Airport
 Bartow Florida 33830
 863.533.1870 IA [REDACTED]

ANNUAL STATEMENT
 N908DK

Date 2/13/2024 SMOH 1514
 TACH 3253 Total Time 4606

I certify that this Engine has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition.
 AD'S checked thru CD 2024-03 AD list on file
 For details see w [REDACTED]
 Bill Turley Signature Inspection [REDACTED]

Aircraft Engineering, Inc.
 Bldg. 434 Bartow Airport
 Bartow Florida 33830
 863.533.1870 IA [REDACTED]

DATE: 2/13/2024 ENGINE HOBBS/TACH: 3253
 N908DK WO# A 12410

- 1 Compression tested to 80 psi 76, 76, 74, 77, 76
- 2 Serviced engine with 11 qts Aeroshell 100w Plus and installed new filter
- 3 Installed new engine air filter P/N BA-15
- 4 Inspected all valve gaskets
- 5 Installed OH cylinder #2 assembly
- 6 AD 15-19-07 Lycoming lines inspection completed
- 7 AD 03-14-03 Fuel pump torque inspection completed
- 8 AD 95-26-13 Oil cooler hoses complied with by installation of 2 new hoses
- 9 TEST RUN UP NORMAL

END

THE AIRCRAFT, ENGINE(S), OR COMPONENT ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION

UNDER WORK ORDER NUMBER A 12410 DATE: 2/13/2024
 SIGNED: BILL TURLEY FOR AIRCRAFT
 ENGINEERING, INC. INSPECTION AUTHORIZATION [REDACTED] BARTOW FLORIDA 33830

2025/01/29 15:04

Photograph 4 - 2024 Engine annual inspection

Inspection Authorization 2104727

CYL 2

1. Approving Civil Aviation Authority/Country: FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: 78592

4. Organization Name and Address: CERTIFIED ENGINES UNLIMITED, INC. [REDACTED] EMBROKE PINES, FL 33023 USA

5. Work Order/Contract/Invoice Number: 63012-000

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	CYLINDER ASSY	73948 IO-540 K1A5	1	79244-1/F1193	REPAIRED

12. Remarks: INSPECT & REPAIR AS NECESSARY WITH STD CHROME BARREL--MANDATORY SB'S & AD'S COMPLIED WITH OR N/A.

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

14b. 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: [REDACTED]

13c. Approval/Authorization No.: [REDACTED]

14c. Approval/Certificate No.: [REDACTED]

13d. Name (Typed or Printed): [REDACTED]

13e. Date (dd/mm/yyyy): [REDACTED]

14d. Date (dd/mm/yyyy): JANUARY 2024

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.

NSN: 0052-00-012-9005

FAA Form 8130-3 (02-14)

2025/01/29 15:05

Photograph 5 - Cylinder No. 2 release certificate

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				 SEBASTIAN COMMUNICATION INC FAA Approved Repair Station Piper PA-32-300 s/n 32-7440070 N908DK Removed Edo-Aire vacuum horizon gyro, Sigma-Tek vacuum DG, Airborne vacuum gauge, vacuum regulator, vacuum filter, Astronautics electric turn coordinator, United Instruments altimeter, VSI, airspeed, manifold pressure/fuel flow indicator, Electronics International FP-5L fuel flow indicator w/pressure module, UBG-16 EGT/CHT indicator w/data recorder module, volt/amp module, RPM module, manifold pressure module, oil pressure module, AC tachometer, Piper fuel quantity/pressure cluster gauge, oil pressure/temp/ammeter cluster gauge, Alcor EGT gauge, Narco Nav-122, remote marker beacon receiver, altitude encoder, Garmin GI-106A CDI, GX60 GPS/Comm, AeroAntenna GPS antenna, Mid-Continent MD40-65L GPS CDI, King KY-97A Comm, Icarus 3000U altitude serializer, S-Tec System 60PSS (consisting of programmer, PFGC, altitude transducer, altitude preselector, pitch servo, trim servo), Piper Autocontrol III system (consisting of console, nav coupler, roll servo, cables). Installed Garmin G3X EFIS system (consisting of GDU-460, GSU-25D, GMU-11, GTP-59, GAD-29B, GEA-24, GAD-27, GA-26C) IAW STC# SA01899WI, G5 Backup EFIS IAW STC# SA01818WI, GFC-500 Autopilot system (consisting of GMC-507, 3ea GSA-28's) IAW STC# SA01866WI, GA-35 GPS antenna IAW STC# SA02018SE-D. Weight & Balance recalculated, Equipment List update. See 337 Form this date. Performed ATC transponder test and inspections required by FAR 91.413, found to comply with FAR 43, appendix F. Performed the Static Pressure System and Automatic Pressure Altitude reporting system test and inspections required by FAR 91.411. Tested to 20,000 ft. Word Order # 2994 Garmin GTX-345 s/n 3EG020602, Garmin GDU-460 s/n 350011077 / Garmin GSU-25D s/n 5Q3002835 Garmin G5 s/n 4JQ054562 02/02/2022 020745 3240 Carl Campbell

2025/01/29 15:25

Photograph 6 - Airframe logbook entry for new avionics

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19	3240		5458	
	ENG HRS -0-			

Aircraft Engineering, Inc.
 Bldg. 434 Bartow Airport
 Bartow Florida 33830
 863.533.1870 IA [REDACTED]

ANNUAL STATEMENT
 N908DK

Date 8/1/2022
 TACH 3240 (REMOVED) Total Time 5458
 ENGINE HOURS 0

I certify that this **Airframe** has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition.
 AD'S checked thru AD 2020-21 AD list on file
 For details [REDACTED]

Bill Turley [REDACTED]

Aircraft Engineering, Inc.
 Bldg. 434 Bartow Airport
 Bartow Florida 33830
 863.533.1870 IA [REDACTED]

DATE: 5/2/2022
 N908DK ENGINE: 0
 AIRFRAME

HOBS/TACH: 3240
 WO# [REDACTED]

- 1 ANNUAL INSPECTION COMPLETED
- 2 CLEANED AND PAINTED BATTERY BOX
- 3 ELT TEST FAR 91.207D RETEST 08/2025
- 4 INSTALLED 2 NEW STRUT CAPS
- 5 REBONDED AND REPLACED WING ROOT RUBBERS
- 6 AD 2020-24-5 SPAR INSPECTION COMPLETED
- 7 AD 2020-26-16 EDDY CURRENT BOLT HOSES INSPECTION COMPLETED
- 8 AD 77-12-1 FUEL SYSTEM INSPECTION COMPLETED
- 9 AD 78-23-01 FUEL DOOR INSPECTION COMPLETED
- 10 AD 75-10-3 BAGGAGE DOOR INSPECTION COMPLETED
- 11 AD 75-24-2 SEAT TAB INSPECTION COMPLETED
- 12 AD 76-7-12 SWITCH TEST COMPLETED
- 13 REPLACED A/C AFT PANEL FUSE HOLDERS WITH NEW
- 14 REPLACED LEFT AND RIGHT BRAKE CYLINDER O'RINGS WITH NEW
- 15 INSTALLED CIES FUEL SENSOR AND CALIBRATED SYSTEM
- 16 SB1355 TEE BAR INSPECTION COMPLETED
- 17 REPLACED BATTERY WITH NEW SN 41214847
- 18 ALL CONTINUING AIRWORTHINESS ITEMS CHECKED AND COMPLETED

THE AIRCRAFT, ENGINE(S), OR COMPONENT ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.

INSPECTED BY: [REDACTED] DATE: 5/2/2022
 SIGNED: [REDACTED] BILL TURLEY FOR AIRCRAFT ENGINEERING, INC. INSPECTION AUTHORIZATION [REDACTED] BARTOW FLORIDA 33830

2025/01/29 15:26

Photograph 7 - 2022 Airframe annual inspection

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: WO 9F343	
4. Organization Name and Address: Webco Aircraft LLC [REDACTED] Newton, Ks 67114				5. Work Order, Contract, or Invoice Number: 9F343 / 29517 Sales Order 66332-C1618-9FN	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:
1	FUEL VALVE	1H65-4	To be determined by installer.	1 ea	9D
12. Status/Work: Repaired & inspected.					
13. REMARKS Disassembled & cleaned. Reassembled with new seals and hardware. Tested for proper operation.					
14. Certifies the item 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 13			19. 14 CFR 43.9 Return to Service ☒ 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:		16. Approval Authorization No:		21. Approval/Certificate No: A [REDACTED]	
17. Name (Typed or Printed):		18. Date (m/d/y):		23. Date (m/d/y): 09-18-2023	
		22. Name (Typed or Printed): Ben Hutchins			
User/Installer Responsibilities					

2025/01/29 15:27

Photograph 8 - New fuel selector valve release certificate

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
 Aircraft Engineering, Inc. Bldg. 434 Bartow Airport Bartow Florida 33830 863.533.1870 IA [REDACTED]				
DATE: 2/13/2024 HOBBBS/TACH: 3253 N908DK AIRFRAME CONT'D WO# A 12410				
17 Installed new left and right rudder blocks 18 Installed 4 new fuel cap gaskets 19 Set rudder cable tension to specification 20 Installed new LED strobe light 21 Repaired pilot seat adjust cable 22 Installed new nose tire and tube 23 SB 1375C Gear bolts complied with 24 SB 1242 Rudder bar inspection completed 25 SB 1355A T bar inspection completed 26 AD 77-21-01 Fuel inspection completed 27 AD 78-23-01 Fuel door inspection completed 28 AD 75-24-02 Seat tab inspection completed 29 AD 76-07-12 Bendix ignition switch test completed 30 AD 20-24-05 Spar Inspection completed 31 Installed new ACS-510-2 ignition switch 32 AD 93-05-06 ACS ignition switch due in 2000 hours 33 ALL CONTINUING AIRWORTHINESS ITEMS CHECKED AND COMPLETED END				
THE AIRCRAFT, ENGINE(S), OR COMPONENT ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER A 12410 DATE: 2/13/2024 SIGNED: [REDACTED] BILL TURLEY FOR AIRCRAFT ENGINEERING, INC. INSPECTION AUTHORIZATION [REDACTED] BARTOW FLORIDA 33830				

2025/01/29 15:27

Photograph 10 - 2024 Airframe annual inspection continued