

N4311W

ENGINE LOG

#2



CRANKSHAFT SERIAL NO: I17345
ENGINE OVERHAUL

TYPE _____ TIME _____
Major Engine Serial No. _____ Since Last Major _____
Top Date Completed _____ Total _____

TEXTRON Lycoming

TLRED-489
(Rev. 3-93)

652 Oliver Street
Williamsport, PA 17701 USA.

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: O-540-J3A5D
Serial #: L-22574-40A
Total Time: 3526.4
Work Order #: GJ0326713
Date Completed: 4-25-97

Authorized Signature: *Charles M. Dale*
Textron Lycoming Reciprocating Engine Division
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

REMARKS

AIRCRAFTERS, INC. FAA REPAIR STATION D8WR369N
2210 PALOMAR AIRPORT ROAD CARLSBAD, CA (619) 431-7608

A/C: N 4311W DATE: 05/13/97 TACH: 2216.9 TTSN: 2216.9 W.O. 336

1. REMOVED THE OLD ENGINE AND INSTALLED AN OWNER SUPPLIED TEXTRON LYCOMING OVERHAULED ENGINE.
2. INSTALLED NEW ENGINE MOUNTS.
3. INSTALLED NEW FUEL AND OIL HOSES.
4. THE MUFFLERS WERE REPAIRED AS NECESSARY.
5. THE PROP AND PROP GOVERNOR WERE OVERHAULED.
6. NEW BAFFLE SEAL WAS INSTALLED.
7. INSTALLED A NEW ALTERNATOR BELT.
8. THE ENGINE WAS SERVICED WITH 50W NON DET. OIL.
9. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.
10. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE.

BILL DAILEDA *Bill Daileda* CRS D8WR369N

Address _____

AIRCRAFTERS, INC. FAA REPAIR STATION D8WR369N
2210 PALOMAR AIRPORT ROAD CARLSBAD, CA (619) 431-7608

DATE: 07/09/97 MODEL: LYC O-540-13A5D S/N: L-22574-40A
REG #: N 4311W TACH: 22325 TSMOH: 15.6 W.O.: 391

R&R THE ENGINE DRIVEN FUEL PUMP. INSTALLED WARRANTY PUMP FROM LYCOMING.
THE AIRCRAFT COMPONENT IDENTIFIED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH
APPLICABLE FARs AND WAS FOUND TO BE AIRWORTHY FOR RETURN TO SERVICE.

BILL DAILED A *Bill Daileda* CRS D8WR369N

AIRCRAFTERS, INC. FAA REPAIR STATION D8WR369N
2210 PALOMAR AIRPORT ROAD CARLSBAD, CA (619) 431-7608

DATE: 09/09/97 MODEL: O-540-13A5D S/N: L-33685-40A REG #: N 4311W TACH: 22538 TSMOH: 36.9 W.O.: 436
THIS ENGINE WAS ~~INSPECTED~~ INSPECTED AND SERVICED FOR AN ANNUAL INSPECTION AS PER AIRCRAFTERS, INC. FAA
APPROVED INSPECTION PROCEDURE.

1. COMPRESSION WAS TESTED 1 REPLACED, 2 70, 3 77, 4 78, 5 78, 6 77 -- ALL OVER 80
2. THE OIL AND FILTER WAS NOT CHANGED AT OWNER'S REQUEST DUE TO LOW TIME ON THE OIL.
3. THE SPARK PLUGS WERE CLEANED AND GAPPED.
4. MAG TIMING WAS CHECKED
5. FUEL SCREENS WERE CLEANED
6. THE EXHAUST SYSTEM WAS CHECKED FOR CONDITION AND SECURITY.
7. ENGINE CONTROLS WERE CHECKED FOR TRAVELS.
8. REMOVED # 1 CYLINDER FOR REPAIR. GROUND INTAKE VALVE SEAT. INSTALLED A NEW INTAKE VALVE. INSTALLED
9. CYLINDER USING NEW GASKETS AND SEALS.
10. ALL ADS WERE RESEARCHED AND COMPLIED WITH THROUGH 97-17.
11. AD 96-12-07 ON IMPULSE COUPLINGS DUE AT 2716.9 ON THE TACH
12. C/W AD 96-26-13 ON OIL HOSES. ALL HOSES C/W TSO CHANGE DUE 5-2005.
13. SB 518C ON OIL BY PASS VALVES DOES NOT APPLY DUE TO PN ON VALVE.
14. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.

I CERTIFY THIS ENGINE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND REPAIRED, WHEN
NECESSARY, IN ACCORDANCE WITH ALL APPLICABLE FARs AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

BILL DAILED A *Bill Daileda* CRS D8WR369N

I certify that this overhaul was accomplished in accordance with FAA Regulations and Directives using
approved material and parts.

Signature _____ Certificate No. _____
Address _____

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6-5-97	Brought Forward →	10.5	2227.4	Changed Oil and Oil Filter
7-27-97		23.9	2240.8	✓ ✓ ✓ ✓
12-20-97		60.5	2277.4	✓ ✓ ✓ ✓
5-27-98		95.7	2312.6	✓ ✓ ✓ ✓
12-10-98		130.1	2348.0	✓ ✓ ✓ ✓
4-4-01		349.3	2566.2	✓ ✓ ✓ ✓
8-29-01		388.6	2605.5	✓ ✓ ✓ ✓
12-16-01		427.5	2644.4	✓ ✓ ✓ ✓
5-9-02		466.6	2683.5	✓ ✓ ✓ ✓
6-27-02		496.7	2713.6	✓ ✓ ✓ ✓
Total To Carry Forward				

and Remarks	Signature	Certificate No.
10 QTS SHELL 100 BREAK-IN OIL	J.P. Overby	340202791
10 QTS SHELL 100W	J.P. Overby	340202791
12 QTS SHELL 100W	J.P. Overby	340202791
11 QTS SHELL 100W	J.P. Overby	340202791
12 QTS SHELL 100W	J.P. Overby	340202791
10 QTS SHELL 100W	J.P. Overby	340202791
10 QTS SHELL 100W	J.P. Overby	340202791
✓ ✓	J.P. Overby	340202791
✓ ✓	J.P. Overby	340202791
✓ ✓	J.P. Overby	340202791

ENGINE LOG

AIRCRAFTERS, INC. FAA REPAIR STATION D8WR369N
 2210 PALOMAR AIRPORT ROAD CARLSBAD, CA (760) 431-7608

DATE: 11/03/99 MODEL: O-540-J3ASD S/N: L-33685-40A REG #: N-4311W TACH: 2398.7 TSMOH: 181.9 W.O.: 1153

1. THIS ENGINE WAS OPENED, INSPECTED AND SERVICED FOR AN ANNUAL INSPECTION AS PER AIRCRAFTERS, INC. FAA APPROVED INSPECTION PROCEDURE.
2. COMPRESSION WAS TESTED 1 76, 2 72, 3 72, 4 73, 5 72, 6 74 -- ALL OVER 80.
3. THE OIL AND FILTER WERE CHANGED SHELL 50W DET. OIL ADDED.
4. THE SPARK PLUGS WERE CLEANED AND GAPPED.
5. MAG TIMING WAS CHECKED.
6. FUEL SCREENS WERE CLEANED.
7. THE EXHAUST SYSTEM WAS CHECKED FOR CONDITION AND SECURITY.
8. ENGINE CONTROLS WERE CHECKED FOR TRAVELS.
9. ALL ADS WERE RESEARCHED AND COMPLIED WITH THROUGH 99-20.
10. AD 96-12-07 ON IMPULSE COUPLINGS DUE AT 2716.9 ON THE TACH.
11. C/W AD 96-26-13 ON OIL HOSES. ALL HOSES C/W TSO. CHANGE DUE 5-2005.
12. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.

I CERTIFY THIS ENGINE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND REPAIRED WHEN NECESSARY, IN ACCORDANCE WITH ALL APPLICABLE FARs AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

BILL DAILED A *Bill Dailed* CRS D8WR369N

Total To			
Carry Forward			

AIRCRAFTERS, INC. FAA REPAIR STATION D8WR369N
 2210 PALOMAR AIRPORT ROAD CARLSBAD, CA (760) 431-7608

DATE: 5/20/00 REG #: N-4311W MAKE: O-540-J3ASD S/N: L-22574-4S TACH: 2449.0 W.O.: 1334

1. COMPLETED A 50 HR. INSPECTION PER AIRCRAFTERS, INC. FAA APPROVED INSPECTION SHEET.
 2. THE OIL AND FILTER WERE CHANGED, SERVICED THE ENGINE WITH AEROSHELL OIL.
 3. THE ENGINE WAS GROUND RUN AND CHECKED FOR LEAKS.
- THE ENGINE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH APPLICABLE FARs AND WAS FOUND TO BE AIRWORTHY FOR RETURN TO SERVICE.

BILL DAILED A *Bill Dailed* CRS D8WR369N

AIRCRAFTERS, INC. FAA REPAIR STATION D8WR369N
 2210 PALOMAR AIRPORT ROAD CARLSBAD, CA (760) 431-7608

DATE: 7/19/00 REG #: N-4311W MAKE: O-540-J3ASD S/N: L-22574-4S TACH: 2477.1 W.O.: 1418

1. COMPLETED A 50 HR. INSPECTION PER AIRCRAFTERS, INC. FAA APPROVED INSPECTION SHEET.
 2. THE OIL AND FILTER WERE CHANGED, SERVICED THE ENGINE WITH AEROSHELL OIL.
 3. THE ENGINE WAS GROUND RUN AND CHECKED FOR LEAKS.
- THE ENGINE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH APPLICABLE FARs AND WAS FOUND TO BE AIRWORTHY FOR RETURN TO SERVICE.

BILL DAILED A *Bill Dailed* CRS D8WR369N

Total To			
Carry Forward			

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

AIRCRAFTERS, INC. FRENCH VALLEY AIRPORT-F70
 37552 WINCHESTER ROAD, BLDG. 81, MURRIETA, CA 92563

DATE: 1/04/02 MODEL: O-540-J3ASD S/N: 1-33685-40A REG #: N4311W TACH: 2647.0 TSMOH: 430.1 W/O: 011890

1. THIS ENGINE WAS OPENED, INSPECTED AND SERVICED FOR AN ANNUAL INSPECTION.
 2. COMPRESSION WAS TESTED: 1. 76, 2. 78, 3. 79, 4. 78, 5. 76, 6. 74 -- ALL OVER 80.
 3. THE OIL AND FILTER WERE NOT CHANGED DUE TO LOW TIME ON THE OIL AND FILTER.
 4. INSTALLED 12 NEW SPARK PLUGS.
 5. THE MAG WAS REMOVED AND INSPECTED FOR A 500 HR. INSPECTION AS PER BENDIS SERVICE MANUAL. C/W AD 96-12-07 ON THE MAG IMPULSE COUPLING. NO DEFECTS FOUND. INSTALLED AND TIMED THE MAG TO THE ENGINE USING A NEW MAG GASKET.
 6. FUEL SCREENS WERE CLEANED.
 7. THE EXHAUST SYSTEM WAS CHECKED FOR CONDITION AND SECURITY.
 8. ENGINE CONTROLS WERE CHECKED FOR TRAVELS.
 9. ALL ADS WERE RESEARCHED AND COMPLIED WITH THROUGH 01-25.
 10. C/W AD 96-12-07 ON IMPULSE COUPLINGS BY INSPECTION NO DEFECTS FOUND. NEXT DUE AT 3147.0 ON THE A/C TACH.
 11. C/W AD 96-26-13 ON OIL HOSES, ALL HOSES C/W TSO. CHANGE DUE 5-2005 OR 3216.9 ON THE AIRCRAFT TACH.
 12. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.
- I CERTIFY THIS ENGINE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND REPAIRED, WHEN NECESSARY, IN ACCORDANCE WITH ALL APPLICABLE FARs AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

BILL DAILEDA *Bill Daileda* A&P 1910299 AJ

Total To
Carry Forward

and Remarks

Signature

Certificate No.

AIRCRAFTERS, INC. FRENCH VALLEY AIRPORT-F70
 37552 WINCHESTER ROAD, BLDG. 81, MURRIETA, CA 92563 (909) 304-1292

DATE: 2/14/03 MODEL: O-540-J3ASD S/N: 1-33685-40A REG #: N4311W TACH: 2772.4 TSMOH: 555.5 W/O: 032169

- THIS ENGINE WAS INSPECTED AND SERVICED FOR AN ANNUAL INSPECTION.
 COMPRESSION WAS TESTED: 1. 74, 2. 76, 3. 72, 4. 78, 5. 78, 6. 78 -- ALL OVER 80.
 CHANGED THE OIL AND FILTER, SERVICED THE ENGINE WITH AERO SHELL W 100 OIL. AN OIL SAMPLE WAS SUBMITTED FOR ANALYSIS (FILTER, OIL & OIL SAMPLE KIT SUPPLIED BY THE OWNER.)
 CLEANED AND GAPPED THE SPARK PLUGS.
 THE MAG TIMING WAS CHECKED.
 FUEL SCREENS WERE CLEANED.
 THE EXHAUST SYSTEM WAS CHECKED FOR CONDITION AND SECURITY. 2 MUFFLERS AND 2 RISERS WERE SENT TO CUSTOM AIRCRAFT PARTS FOR REPAIR. INSTALLED THE EXHAUST SYSTEM AFTER REPAIR USING NEW EXHAUST CLAMPS.
 ENGINE CONTROLS WERE CHECKED FOR TRAVELS.
 ALL ADS WERE RESEARCHED AND COMPLIED WITH THROUGH 01-02.
 AD 96-12-07 ON IMPULSE COUPLINGS, NEXT DUE AT 3147.0 ON THE A/C TACH.
 C/W AD 96-26-13 ON OIL HOSES, ALL HOSES C/W TSO. CHANGE DUE 5-2005 OR 3216.9 ON THE AIRCRAFT TACH.
1. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.
 2. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.
- I CERTIFY THIS ENGINE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND REPAIRED, WHEN NECESSARY, IN ACCORDANCE WITH ALL APPLICABLE FARs AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

BILL DAILEDA *Bill Daileda* A&P 1910299 AJ

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

AVIATION SERVICE COMPANY
 Palomar Airport, Carlsbad CA
 (760) 438-5256

7/9/04 7811W TACH TIME: 2862.0 ENGINE SMOH: 6451

Completed annual inspection this date. Did not change oil due to owners' request, and low time since last change. Researched AD's up to and thru Bi-week 2004-04, none due at this time. Cleaned, gapped, and rotated spark plugs. Compression test results as follows. 1)74 2) 78 3) 72 4)76 5)78 6)76 over 80 PSI. Engine ground run and leak check satisfactory.

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

Dan Older
 Dan Older

A&P 539464655 IA

Total To Carry Forward

and Remarks	Signature	Certificate No.
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ENGINE MODEL
 O-540 J5A50
 ENGINE SN: 1 22574 40A
 REG. NO. 43114W
 WORK ORDER
 2949-07-2004

HIGH PERFORMANCE AIRCRAFT, INC.
 Repair Station No. 14YF5M6X
 1800 JOE CRIBBON DRIVE
 EL CAJON, CA 92020
 Phone: 609-567-2797

DATE 7/9/2004
 AIC TSN: 2880 B
 ENG. IT: 4180 S
 TSMOH: 6659
 TACH: 2880 B

Engine Entries

PERFORMED DIFFERENTIAL COMPRESSION CHECK USING D80 ORIFICE TESTER PER AC 43.13-1B, PARA. B-14(b). 1) 76/80, 2) 77/80, 3) 77/80, 4) 76/80, 5) 77/80, 6) 76/80. REMOVED CUT OPEN AND INSPECTED OIL FILTER, NO ABNORMALITIES FOUND. REPLACED WITH PIN CH448103-1, RAN ENGINE FOR LEAK CHECK, NONE NOTED.

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 2949-07-2004. Dated 7/12/2004.

DATE 7/9/2004

SIGNED

Dan Satterman
 Certified Repair Station No. 14YF5M6X

Work Order 2949-07-2004

Printed by EBis 3 (dafcommedia.com)

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
22-10-05	2922.4 Brought Forward →			Change oil and Filter OH48103 and Service with 12qt A/S 15W50. Put Filter in defect noted. Ran in for leak check ok, no leaks. Benn DR 12R 57544 8813
24-05	Trail 29311	Blow by #1 74 #2 72 #3 75 #4 74 #5 76 #6 75		Over 80, main change, cleaned & gapped spark plugs. Replaced brackets air filter, checked valve points & timing, replaced points in left mag, installed & timed to engine, repaired cracks in muffler strapping, from engine
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>and checked for leaks</p> <p>DATE <u>3-24-05</u> TOTAL TIME TO DATE <u>4240.6</u> SMOH <u>914.2</u></p> <p>I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>	<p><i>Amel Seitz</i> MP2445062 FA</p>	



REG. SERVICE • FIN. • AIRCRAFT LEASING • MANAGEMENT

Reg: N4311W Mod: PA28-236
 S/N: 28-8311024 Tach: 3018.1
 A/C TT: 3018.1 Eng: Lycoming O-540-J3A5D
 S/N: L-22574-40A TSMO: 801.2

- 1) Engine inspected IAW FAR 43 Appdx D and with reference to Piper SMM.
- 2) Compressions: 1=78/80, 2=77/80, 3=77/80, 4=78/80, 5=77/80, 6=76/80.
- 3) Remove rear muffler and header pipes. Replaced muffler with new p/n A67517-00.
- 4) Removed cabin heat/carb heat shroud and repaired carb heat riser by fabrication.
- 5) Installed 6 new RHM-38E spark plugs on bottom cylinder locations.
- 6) Ran up and ops test. Ops test = satisfactory.
- 7) See AD compliance for status and next due date/time. Crankshaft mandatory retirement time IAW SB 569A due no later than 4/30/2009.
- 8) I certify this aircraft engine has been inspected IAW an annual/100 hr inspection and was determined to be in airworthy condition. Approved for return to service.

Rick Gardner 08/21/2006
 Rick Gardner AP 3146802 IA

ntenance



REG. SERVICE • FIN. • AIRCRAFT LEASING • MANAGEMENT

Reg: N4311W
 S/N: 28-8311024
 A/C TT: 3033.4


Mod: Piper PA28-236
 Tach: 3033.4

- 1) Removed vacuum pump and replaced with newly overhauled Aero Accessories p/n 215CC, s/n 48239.
- 2) Approved for return to service.

Rick Gardner 09/21/2006
 Rick Gardner AP 3146802 IA

Certificate No.

ENGINE LOG

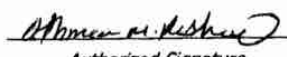
Engine Time		Recorder Reading	Maintenance
This Date	Since Major		
AERO AVIATION MAINTENANCE			
DATE <u>9 Jan 07</u>	ENGINE TIME _____	TACH <u>3045.0</u>	_____
CHANGE OIL (11 QTS AEROSHELL 15W50) AND FILTER (CH48103-1), CUT AND INSPECTED FILTER, WASH AND CLEAN ENGINE AND ENGINE COMPARTMENT.			
 JOHN R. SHEA A&P 297380062 IA			
(803)663-1777			

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes and Service Bulletins are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 16774 DATE 9/7/07

MAKE Lycoming MODEL 0540-J3A5D
 S/N L-22574-40A TOTAL TIME 3070.8 Aft.
 TSMOH 000.00 TBO 2000

TRIAD
 AVIATION

Triad Aviation, Inc.
 FAA Repair Station #PP4R448M
 Burlington Municipal Airport
 3439 South Aviation Drive
 Burlington, NC 27215
 336-227-1467


 Authorized Signature

Test ran Lycoming 0540-J3A5D engine S/N L-22574-40A for 2 hours 15 minutes, RPM 2575, oil pressure 81 lbs, oil temperature 200 degrees, CHT 410 degrees. Mag check at 2100 RPM, L 120 RPM, R 100 RPM. Compression test cylinder #1 77/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 77/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION# PP4R448M. WO#16774.

Signed:  Date 9/7/07

1. Approving National Aviation Authority/Country FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: AA 53515
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4. Organization/Name and Address Aero Accessories, Inc. • 1240 Springwood Avenue • Gibsonville, NC 27249 USA FAA-PMA (PQ1206CE)	5. Work Order/Contract/Invoice Number: 53515
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6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	Dry Air Pump	215CC	N/A	1	48239	Newly Overhauled

13. Remarks Overhauled & Tested in accordance with FAA approved data

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approval design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return To Service <input type="checkbox"/> Other Regulation Specified in Block 13 <small>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.</small>
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15. Authorized Signature	16. Approval/Authorization No.	20. Authorized Signature <i>Kim Claar</i>	21. Approval/Certificate No. YV4R688M
17. Name (Typed or Printed):	18. Date (M / D / Y)	22. Name (Typed or Printed) KIM GLAAR	23. Date (M / D / Y) SEP 01 2006

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 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 ensure that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1. Statements in block 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.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Reg: N4311W S/N: 28-8311024		Tach: 3070.8 Smoh: 0.0	ENG: Lycoming Mod: 0540-J3A5D S/N: L-22574-40A	
Engine Re-Installed after Major Overhaul by Triad Aviation, Inc. (Reference Triad W/O no. 16774). Installed with new Lord mounts and mount bolts. All fuel and oil hoses replaced with new assys. Serviced engine with 11 Qts. Aeroshell 50 Wt. Mineral oil. Adjusted Idle mixture and RPM. Adjusted Prop Gov high RPM stop Engine, washed, run, and checked for leaks. Ground run-up checked normal.				
I certify that this Engine has been Inspected in accordance with a 100 Hr. / Annual Inspection and found to be in Airworthy condition.				
<i>Ricky Gardner</i> 9/20/2007 Ricky Gardner A&P 3146802 I/A				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
		3566 Mon
		Telephone: 828/777-7777 www.speedbirdaviation.com
Reg: N4311W S/N: 28-8311024	Tach: 3091.2 Smoh: 20.4	Eng: Lycoming Mod: 0540-J3A5D S/N: L-22574-40A
Drained oil, opened and Insp old oil filter—no metal noted. Installed new CH48103-1 oil filter, re-filled engine with 11 Qts. Aeroshell W 100Plus oil.		
Engine, washed, run, and checked for leaks. Ground run-up checked normal.		
<i>Ricky Gardner</i> 10/29/2007 Ricky Gardner A&P 3146802 I/A		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

SERVICEABLE

OWNER SPEED BIRD AVIATION
 CARBUETOR MAXIMEL SCHERLER
 PART NAME MA-4-5
 MFG. NAME MA-4-5
 MODEL NO. 75063909
 SERIAL NO. 75063909

Repaired Overhauled Inspected Tested

The aircraft component identified above was repaired and/or inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in accordance with manufacturer's instructions.

Work Order 82511 Date _____
 Signed for _____
 ANStar Fuel Systems, Inc.
 1385 Park Lane South
 Jupiter, FL 33458

JACK CARTER

Shop	Work Order	Tail	Make	Model	Serial #	Tach Time
44	6393	N4311W	PIPER	PA-28-236	28-8311024	3 153.30

ENGINE ENTRY

Oper Description

1 COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH INDUSTRY STANDARDS SWAPPED CYLINDER #1 AND #3 CHT PROBES PER CUSTOMER REQUEST. OPS CHECK GOOD. WORK PERFORMED IN ACCORDANCE WITH PIPER PA -28-236 MAINTENANCE MANUAL, APPLICABLE SECTION OF CHAPTER 77-23-00.

2999 *****MAINTENANCE RELEASE*****

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 6393

DATE: 6/2/2008 SIGNED BY: [Signature] FOR EAGLE AVIATION, INC. FAA APPROVED REPAIR STATION NO. FEHR859D 2861 AVIATION WAY WEST COLUMBIA, SOUTH CAROLINA 29170

Date No.

De Ur thr en TI Ru st S/ TI 3-

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →		3157.1	
<p>On 6/11/2008, Aircraft: N4311W, Type: PA28-236, S/N: 28-831102-1, Reg: N4311W, Tach: 3157.1, Smoh: 92.8. Engine inspected, checked mag timing, checked for induction leaks, checked baffles for air escaping. Resealed all areas of concern and rechecked. Adjusted idle mixture to richen. Performed ground-operation check. Aircraft, airframe, aircraft engine, propeller or appliance identified 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 shop under Shop Order No. 17353, Dated: 11-7-08.</p>				
<p>WITNESSED: <i>Michael Robert</i>, Inspector for FAA CRS PP4R448M, 336-227-1467, Burlington, NC 27215</p>				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>Reg: N4311W Tach: 3163.6 Smoh: 92.8</p> <p>Eng: Lycoming Mod: 0540-J3A5D S/N: L-22574</p> <p>Engine Inspected in accordance with a 100 Hr/ Annual Inspection guide. Drained oil, opened and insp. old oil filter- no metal noted. Installed new CH48110-1 oil filter, refilled with 11 Qts. Aeroshell W100Plus oil. Cleaned gapped and rotated spark plugs, checked mag timing. Compression #1=76/80, #2=78/80, #3=76/80, #4=78/80, #5=74/80, #6=78/80.</p> <p>Engine, washed, run, and checked for leaks. Ground run-up checked normal.</p> <p>I certify that this Engine has been inspected in accordance with a 100 Hr./ Annual Inspection and found to be in Airworthy condition.</p> <p><i>Rick Gardner</i> 10/27/2008 Rick Gardner A&P 3146802 I/A</p>		

N431W

AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG

1. Approving Nation Aviation Authority/Country FAA/United States	2.	3. Form Tracking Number FN-060853
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4. Organization Name and Address Sky-Tec Inc. 350 Howard clemmons Rd. Granbury, Texas 76048 (PQ0852SW)	5. Work Order/Contract/ Invoice Number FN-060853
--	---

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	STARTER	149-NL	N/A	1	FN-060853	NEW

13. Remarks
AIRWORTHINESS APPROVAL. DIRECT SHIP AUTHORIZATION

14. Certifies the items above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation
 Non-approved design and 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. DAR-750120SW	20. Authorized Signature	21. Approval/Certificate No.
17. Name (Typed or Printed) Eugene Chiappe	18. Date (m/d/y) February 14, 2008	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/assembly.

Where the user/installer 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 part/components/assemblies from the Airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the nation regulations by th the user/installer before the aircraft may be flown.

CUT HERE

AUGUSTA AVIATION, INC.
DANIEL FIELD (DNL)
1775 HIGHLAND AVE.
AUGUSTA, GA 30904

"Excellence Since 1940"



Date: 11/20/2009; Aircraft: N4311W; Type: PA28-236; S/N: 28-8311024; Tach: 3.1; Total Time: 3176.3; Engine - Type: , S/N:, Time: 3176.3, SMOH: 105.5

Performed Annual Engine Inspection.

I certify this Engine has been inspected in accordance with the Annual Inspection, FARs and applicable manufacturer specifications and was determined to be in airworthy condition.

AUGUSTA AVIATION, INC.
DANIEL FIELD (DNL)
1775 HIGHLAND AVE.
AUGUSTA, GA 30904

"Excellence Since 1940"



Date: 12/09/2009; Aircraft: N4311W; Type: PA28-236; S/N: 28-8311024; Tach: 3.5; Total Time: 3176.7; Engine - Type: , S/N:, Time: 3176.7, SMOH: 105.9

Removed Starter, P/N MZ-622, SN: F080247 and installed new Skytec Starter Model 149-NL, SN: FN-060853. Ops check good.(12)(11)

I certify this Engine has been inspected in accordance with FARs and applicable manufacturer specifications and were determined to be in airworthy condition.

3298861

AUGUSTA AVIATION, INC.
DANIEL FIELD (DNL)
1775 HIGHLAND AVE.
AUGUSTA, GA 30904

"Excellence Since 1940"



Date: 10/14/2010; Aircraft: N4311W; Type: PA28-236; S/N: 28-8311024; Tach: 10.2; Total Time: 3183.4; Prop - Type: , S/N:, Time: 3183.4, SMOH: 112.6

Performed Annual Engine Inspection. No defects noted. (1) Plugs removed, cleaned, inspected, gapped and reinstalled with new gaskets (PN: M674). Replaced induction air filter (PN: BA2905) with new.(11)(10)(6)(5) Changed oil with 40 Wt Aeroshell and filter with new, AA48103. Checked old filter for metal, none found.(11)(10)(6)(5) Compression checked: #1-78, 2-79, 3-79, 4-79, 5-79 and 6-78.(11)(10)(6)(5) AD 09-26-12, ECI Cylinders, D/N/A due to factory cylinders (see log entry 09-07-07).(6)(5)(6)(5) AD 05-12-06, Impulse Coupling, not due at this time. Due 3570.8 TTIS.(5)(6)(6)(5)

I certify this Prop has been inspected in accordance with the Annual Inspection, FARs and applicable manufacturer specifications and was determined to be in airworthy condition.

IA 256217253

21 December 2010 Textron Lycoming O-540-J3A5D SN L-22574-40A
Tach Time: 58.6 SMOH: 161.0

Serviced engine oil and filter with Tempest AA48103 filter and 12qt of Phillips XC 20w50. Cut filter and inspected for metal - none found.

This endorsement constitutes a return to service for the work performed only.

Joshua L Johnson 2861559AP

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
<p>ENGINE MODEL: O-540-J3A5D ENGINE S/N: L-22574-40A REG NO: N4311W WORK ORDER: 1399-05-2011</p> <p>Yulista Aviation 190 Belltop Road Meridianville, Alabama 35759 Phone: (256) 425-9086</p> <p>DATE: 5/24/2011 A/C TSN: 3277 ENG TT: 3377 TSMOH: 252.2 TACH: 103.8</p> <p>Engine Entries Warmred and un cowled engine. Drained oil. Removed, cut open and inspected oil filter. No defects or abnormal findings at this time. Filled sump with 12 qts Phillips XC20W50 oil and installed new CH48103-1 filter and safetied. Ground ran engine for leak check. None noted at this time. Cowled engine.</p> <p>Maintenance Release</p> <p>The aircraft and/or component(s) on N4311W was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 1399-05-2011. Dated 5/24/2011.</p> <p>DATE: 5/24/2011 SIGNED: <i>Joshua L Johnson</i> Work Order: 1399-05-2011 Printed by EBis 3 (datacomedia.com)</p>				

24 September 2011 Textron Lycoming O-540-J3A5D SN# L-22574-40A
 Tach Time: 150.1 TSMOH: 252.5 Engine TT: 3323.3

Drained oil, cut & checked filter for metal. None found. Inspected oil suction screen - no debris found. Checked engine compressions: 1 - 79/80, 2 - 77/80, 3 - 77/80, 4 - 79/80, 5 - 77/80, 6 - 79/80. Cleaned, gapped and tested spark plugs. Reinstalled with new plug washers. Replaced oil filter with Tempest AA48103 and filled engine with 12qt Phillips X/C 20W50 engine oil. Checked ignition timing. Removed carburetor screen and inspected for debris - no debris found. Replaced air filter with PN#BA2509. Replaced engine driven fuel pump with new Lycoming fuel pump PN# LW-15472

Checked AD listing for engine. None due at this time.

AD 05-12-16, impulse coupling, due at Total Time 3570.8 - Tach time 397.6

I certify that this engine has been inspected in accordance with a 100 hour inspection as per 14CFR 43 Appendix D and has been found to be in an airworthy condition at this time.

Joshua L Johnson



2861559AP

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
ENGINE MODEL O-540-JM5D ENGINE S/N L22574-46A REG. NO. N4311W WORK ORDER 1584-11-2011	Yulista Aviation 100 Bolling Road Mariettaville, Alabama 35759 Phone: (256) 928-9286		DATE: 11/30/2011 A/C TWR: 2348-2 ENG. TT: 3349-2 TSMON: 278-4 TACH: 176	
Engine Entries Checked fuel pressure operation. Appears mechanical fuel pump is weak. (See notes). Removed mechanical engine driven fuel pump p/n LW15472 s/n. H4610. Installed customer supplied engine driven fuel pump p/n LW15472 s/n. H1611. Operational check satisfactory (8 psi).				
Maintenance Release The aircraft and/or component(s) on N4311W was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Repair Station YUTR074Y under Work Order No. 1584-11-2011, Dated 11/30/2011.				
DATE: 11/30/2011	SIGNED: <i>[Signature]</i>		Work Order: 1584-11-2011	
Printed by EBio 3 (datamedia.com)				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C***** Removed EFD-1000 s/n 11301. Installed exchange EFD-1000 s/n 120465. Static & pitot leak checked good. Ramp checked good.	Make <u>Piper</u> Ser No <u>28-9311024</u> Model <u>PA28-236</u> Reg. Mark <u>N4311W</u> The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency.	
Aircraft Tach: 201.1 PLEASE PLACE IN AIRCRAFT LOGBOOK	Work Order No. <u>90783</u> Date <u>9-14-12</u> Signed <u>[Signature]</u> Inspector for MUNCIE AVIATION COMPANY C.R.S. #AJVR135C MUNCIE, IN 47303-9778 (765) 289-7141 MAC	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Achievement Aviation LLC

Facility Address:
 Van Wert County Airport
 1400 Leeson Ave
 Van Wert, OH 45891

Mailing Address:
 PO Box 1031
 Van Wert, OH 45891
 Phone# (260) 525-2975

June 7, 2014 N4311W Textron Lycoming O-540-J3A5D SN#L-22574-40A Tach Time: 220.0 Engine
 Total Time: 3393.2 Engine Total Time SMOH: 322.4

- (1) Performed annual inspection of engine by use of checklist conforming to 14CFR43 Appendix D
- (2) Drained engine oil. Removed and inspected oil pump suction screen and oil filter by following the instructions of Lycoming Service bulletin 480E Dated 4/13/2005 Section I & II. No metal particles were found.
- (3) Refilled engine crankcase with 100pts Phillips XC 20W50, Lot numbers 17G13P1A 1556 & 28K11P2 1447. Installed new Tempest FAA PMA AA48103 oil filter, torqued to 15ft lbs and safetied oil filter and oil suction screen plug with .032 stainless safety wire.
- (4) Checked engine compression by following the instructions of Lycoming SB1191A Dated 9/26/1999. Compression readings as follows: 1-76/80, 2-78/80, 3-74/80, 4-78/80, 5-76/80, 6-78/80. Compression readings are satisfactory as per item 3(b) of SB1191A.
- (5) Cleaned, gapped, rotated, and re-installed spark plugs.
- (6) Cleaned and inspected carburetor screen, secured with new MC16-A48 gasket. Drained carburetor float bowl. Reinstalled and re-safetied drain plug.

Checked status of airworthiness directives through biweekly supplement 2014-10. See separate listing this date for more details.
 No AD's due at this time.

AD 2014-10-14C1 eff 6/25/04 will be due at overhaul or sudden stoppage

AD 2005-12-06 eff 07/19/05 will be due at Tach time 397.6

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was found to be in airworthy condition.

Joshua L Johnson  A&P 2861559 IA

and Remarks

ENGINE MODEL
 O-540-J3A5D
 ENGINE SN L-22574-40A
 REG NO N4311W
 WORK ORDER:
 2510-03-2015



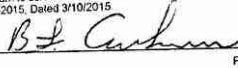
Yulista Aviation
 190 Boling Road
 Mendonville, Alabama 35759
 Phone: (256) 528-9295

Engine Entries

Removed, cleaned, and reinstalled #6 cylinder lower spark plug. Operational check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N4311W was repaired and inspected in accordance with 14 CFR of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Repair Station YUTR674Y under Work Order No. 2510-03-2015, Dated 3/10/2015.

DATE 3/10/2015 SIGNED  Work Order: 2510-03-2015
 Printed by EBis 3 (datcomedia.com)

DATE 3/10/2015
 AIC TSN 3420.9
 ENG TT 3420.9
 TSMOH 350.1
 TACH 247.7

Signature

Certificate

ENGINE LOG

Date	Engine Time	Recorder	Mileage
Achievement Aviation LLC			
Facility Address: Van Wert County Airport 1400 Leeson Ave Van Wert, OH 45891		Mailing Address: PO Box 1031 Van Wert, OH 45891 Phone# (260) 525-2975	
July 6, 2015 N4311W Textron Lycoming O-540-J3A5D SN#L-22574-40A Tach Time:250.4 Engine Total Time: 3423.4 Engine Total Time SMOH: 352.8			
<ul style="list-style-type: none">(1) Performed annual inspection of engine by use of checklist conforming to 14CFR43 Appendix D(2) Drained engine oil. Removed and inspected oil pump suction screen and oil filter by following the instructions of Lycoming Service bulletin 480E Dated 4/13/2005 Section I & II. No metal particles were found.(3) Refilled engine crankcase with 10qts Phillips XC 20W50. Installed new Tempest FAA PMA AA48103 oil filter, torqued to 15ft lbs and safety oil filter and oil suction screen plug with .032 stainless safety wire.(4) Checked engine compression by following the instructions of Lycoming SB1191A Dated 9/28/1998. Compression readings as follows: 1-75/80, 2-76/80, 3-74/80, 4-77/80, 5-76/80, 6-77/80. Compression readings are satisfactory as per item 3(b) of SB1191A.(5) Cleaned, gapped, rotated, and re-installed spark plugs.(6) Removed and inspected carburetor screen, secured with new MC16-A48 gasket. Drained carburetor float bowl. Reinstalled and re-safety drain plug.			
Checked status of airworthiness directives through biweekly supplement 2015-12. See separate listing this date for more details. No AD's due at this time.			
AD 2014-10-14C1 eff 6/25/04 will be due at overhaul or sudden stoppage			
AD 2005-12-06 eff 07/19/05 will be due at Tach time 397.6			
I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was found to be in airworthy condition.			
Joshua L Johnson		A&P 2861559 IA	

Signature

Certificate No

Achievement Aviation LLC

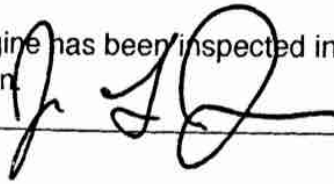
Facility Address:
Lakeland Airport
6177 St Rd 219
Celina, OH 45822

8/16/2016 N4311W Lycoming O-540-J3A5D SN# L22574-40A Tach Time: 280.0 Total Time:
3453.0 SMOH: 382.4

- (1) Performed annual inspection of engine in accordance with 14 CFR 43 Appendix D
- (2) Drained engine oil. Removed oil filter and suction screen. Inspected oil filter and suction screen in accordance with Lycoming SB480E, no metal contamination found. Installed new Tempest AA48103 oil filter, torqued to 18 ft lbs and safetied. Installed oil suction screen and safetied. Refilled crankcase with 12 qts Phillips XC 20w50 engine oil.
- (3) Checked engine compressions per Lycoming SI 1191A. Compression readings as follows: 1:76/80, 2:76/80, 3:74/80, 4:77/80, 5:76/80, 6:76/80. Orifice reading 45 psig.
- (4) Inspected carburetor inlet screen in accordance with AC43.13-1B section 8-36, no contamination found. Drained carburetor float bowl, reinstalled drain plug and safetied. Replaced carburetor inlet screen lock gasket with MC16-A48.
- (5) Checked airworthiness directives through biweekly supplement 2016-14. None due at this time. See separate listing for details.

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

Joshua L Johnson



2861559 A&P IA