

AIRCRAFT DESCRIPTION

Registration No. N687AV

Model: PA-34-220T Popular Name: SENECA V

Serial No.: 3449180 Type Certificate No.: A780

Colors: WHITE / BRIGHT GREEN MET & GOLD MET / GREEN MET

Engine Manufacturer: CONTINENTAL Serial Numbers: Single

Original Engine Model: TSIO-360-RB1B Left 322321

LTSIO-360-RB1B Right 322075

Propeller Manufacturer: MCCAULEY Hub or Serial Number: Single

Original Propeller Model: 3AF32C522 Left 001236

3AF32C523 Right 001549

Blade Numbers

Left

Right

UB021

UB027

UB040

UB028

TL057

UB029

2000 MODEL

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
AUG 03 2000	Brought Forward →	9.6	I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE DATED <u>AUG 03 2000</u> I/A/W FAR 21.183(a) PER 21.273. <u>Richard L. Murdock</u> FAA DOA SO-1 RICHARD L. MURDOCK THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 HAVE BEEN PERFORMED. THE ALTIMETER(S) HAVE BEEN TESTED TO <u>35,000</u> FT. ON <u>6/21/00</u> (PI) <u>4/13/00</u> SIGNED <u>Richard L. Murdock</u> DATE <u>AUG 03 2000</u> RICHARD L. MURDOCK	
Total To Carry Forward		9.6		

The ELT is installed per FAR 91.207. Battery replacement date 7/2002
Richard L. Murdock
D.O.A. No. SO-1
The New Piper Aircraft, Inc.
RICHARD L. MURDOCK

Registration No. N687AV

and Remarks	Signature	Certificate No.
<p>The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.</p> <p>ATC Transponder:</p> <p>1. Make <u>GARMIN</u> Model <u>GTX 327</u> S/N <u>83700210</u></p> <p>2. Make <u>N/A</u> Model <u>N/A</u> S/N <u>N/A</u></p> <p>Details of this inspection are on file at this facility under S/N <u>3449180</u> Date <u>7/11/00</u></p> <p>Q.A. Inspector <u>[Signature]</u></p> <p>THE NEW PIPER AIRCRAFT, INC. VERO BEACH, FLORIDA</p> <p>RICHARD L. MURDOCK</p> <p>THE AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT TEST REQUIRED BY FAR PART 91.217 HAVE BEEN PERFORMED THIS DATE: <u>7/13/00</u> SIGNED: <u>[Signature]</u> RICHARD L. MURDOCK</p>		

Registration No. N687AV

DATE: 8/16/00



TTIS: 16.7

- 1 Replaced The Failed Pilot's Artificial Horizon With A New Unit. New Unit SN: 200E01772
- 2 Performed A Ground And Flight Check Satisfactorily.

THE NEW PIPER AIRCRAFT, INC.
VERO BEACH, FLORIDA

MANUFACTURER'S MAINTENANCE FACILITY #321-10

DATE 8/16/00

Model PA 34-220T S/N 3449180 N687AV

The aircraft identified above is approved for return to service. Pertinent details of Customer Acceptance items/Maintenance are on file at this facility under Work Order No. 926105B. A copy of this work order is attached to this log book.

Authorized Representative [Signature]

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
8/24/00	Brought Forward →	16.5	Removed CO-PILOT'S 4000B-26 DG,	
			MOVED PILOT'S ST-180 HSI to CO-PILOT SIDE AND INSTALLED	
			SANDEL SN3308 NAVIGATION Display. All work performed	
			IAW MANUF INSTALL INSTRUCTIONS AND APPLICABLE FAR'S.	
			A/C Ground run AND Flight checked serviceable. Aircraft	
			Weight & Balance AND Equipment List updated.	
			Maintenance Release: The aircraft and/or component identified herein, was repaired and inspected in accordance with current FAA Regulations and was found airworthy for return to service. Permanent details of the repair are on file at this agency under this work order # 11800	
			Date: 8/24/00	Inspector: <i>R. C. Bentley</i>
			SUN AVIATION	FAA CRS ECWR470D
Total To Carry Forward				

Registration No. N687AV



VICTOR AVIATION SERVICES, INC.
P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 12541
Engine Make T.C.M. Model TSIO360RB1B
Serial # 322321/322075 Eng. T.T. 114.5 S.M.O.H. N/A
A/F T.T. 114.5 Hobbs Time 114.5 Tach Time _____

1. Performed 100hr inspection using a checklist meeting the requirements of FAR43 Appendix D.
2. Checked all controls, cables, pulleys and bellcranks.
3. Lubed all hinge and pivot points.
4. Checked tires, wheels, brakes, serviced tires.
5. Replaced light assembly for the ice protection.
6. Replaced light bulb in mag switch for the right mag left engine.
7. Replaced potentiometer for panel lights.
8. Adjusted vacuum pressure.
9. I certify that this aircraft has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.
10. Nothing follows.

Inspector

Mary Hentke

Date

10/23/2000

For repair station of Victor Aviation Services, Inc.

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
<p>Replaced lamp in the Sander SN3308 SN 2274. Rezeroed the lamp. Ground Function Check - OK. Details on file w/o 71188 Hobbs - 115.9</p> <p style="text-align: right;">FOR BAY AVIONICS 10-26-00 CRS# WK3R948L</p> <p style="text-align: right;">Signed: <u>[Signature]</u></p>				
Total To Carry Forward				

Registration No. _____

and Remarks	Signature	Certificate No.
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VICTOR AVIATION SERVICES, INC.
P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 12445
Engine Make T.C.M. Model TSIO360RB1B
Serial # 322321/322075 Eng. T.T. 134.5 S.M.O.H. N/A
A/F T.T. 134.5 Hobbs Time 134.5 Tach Time _____

1. Replaced ice protection light assembly.
2. Aligned main landing gear as per Piper service manual replaced both main gear tires with factory new tires.
3. Replaced main gear actuator for right main gear, serviced hydraulic reservoir as per Piper service manual, cycled landing gear system numerous cycles, fault free emergency extensions.
4. Replaced tachometer and CHT/FF gauges for the left engine.
5. Replaced potentiometer and dimmer control for panel lights.
6. Replaced wiring to compass light.
7. Adjusted instrument vacuum.
8. Replaced bulb for right magneto rocker switch on left engine.
9. Removed Avidyne Flight Computer for upgrade by Avidyne Corp., reinstalled after update.
10. Nothing follows.

Inspector Mary Hentchel Date 12/27/00
For repair station of Victor Aviation Services, Inc.

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



VICTOR AVIATION SERVICES, INC.
P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 12683
Engine Make T.C.M. Model TSIO360RB1B
Serial # 322321/322075 Eng. T.T. 217.8 S.M.O.H. N/A
A/F T.T. 217.8 Hobbs Time 217.8 Tach Time _____

1. Complied with Piper Service Letter 1031, Fuel Pump Cooling Inlet Installation, by installing Piper service kit p/n766-678 as per instructions in Service Letter.
2. Replaced landing light bulb.
3. Replaced nav light retainer for right wing tip light

assembly.

4. Nothing follows.

Inspector *Henry Ketchel* Date 08/25/01
For repair station of Victor Aviation Services, Inc.

Registration No. _____

and Remarks	Signature	Certificate No.
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MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: N687AV
WORK ORDER: 7800

Keystone Aviation
303 N. 2370 W.
Salt Lake City, Utah 84116
Repair Station No. K5SR339N

DATE: 7-21-01
TTA: 376.6
TACH: _____

Airframe Entries

RIGHT MLG WHEEL AND TIRE ASSY REMOVED. REMOVED AND REPLACED BRAKE DISC WITH P/N RA-164-2169. TORQUED WHEEL HALVE BOLTS TO 150 IN/LBS AND SERVICED TO 55 PSI. REMOVED AND REPLACED 8 EACH BRAKE LININGS WITH P/N RA-66-62. REINSTALLED WHEEL AND TIRE ASSY. CONDITIONED BRAKE. ALL MAINTENANCE DONE IAW WITH PIPER MAINTENANCE MANUAL 32-10-00. OPERATIONAL AND LEAK CHECK SATISFACTORY.... MLG WHEEL AND TIRE ASSY REMOVED. REMOVED AND REPLACED BRAKE DISC WITH P/N RA-164-2169. TORQUED WHEEL HALVE BOLTS TO 150 IN/LBS AND SERVICED TO 55 PSI. REMOVED AND REPLACED 8 EACH BRAKE LININGS WITH P/N RA-66-62. REINSTALLED WHEEL AND TIRE ASSY. CONDITIONED BRAKE. ALL MAINTENANCE DONE IAW WITH PIPER MAINTENANCE MANUAL 32-10-00. OPERATIONAL AND LEAK CHECKED SATISFACTORY....

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation L.L.C. inspection manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under referenced Repair Order.

DATE: 7-21-01 SIGNED: *Jimmy Pley*
Certified Repair Station No. K5SR339N

WORK ORDER: 7800

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AIRCRAFT LOG



P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 13333/1333A
Engine Make T.C.M. Model TSIO-360-RBIB
Serial # 322321/322075 Eng. T.T. 417.8 S.M.O.H. SMOH
A/F T.T. 417.8 Hobbs Time 417.8 Tach Time TAC. TIME

1. Performed an annual inspection using a checklist meeting the requirements of FAR43 Appendix D.
2. Checked all controls, cables, pulleys and bellcranks.
3. Lubed all hinge and pivot points.
4. Replaced left and right main gear actuators. Serviced hydraulic pump. Performed several fault free gear cycles including one emergency cycle.
5. Installed a new G-247 aircraft battery. Battery operational check was good.
6. Connected gear warning horn connector. Operational check of gear warning horn was satisfactory.
7. Replaced bushings and link assembly for the rudder trim connection at the rudder.
8. Replaced left wing flap. Repainted flap to match plane.
9. Checked tires, wheels, and brakes.
10. Replaced left hand brake caliper shim.

Continued on next page.

Total To
Carry Forward

Registration No. _____



P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # _____ A/C Ser. # _____ W.O. # _____
Engine Make _____ Model _____
Serial # _____ Eng. T.T. _____ S.M.O.H. _____
A/F T.T. _____ Hobbs Time _____ Tach Time _____

11. I certify that the ELT has been inspected in accordance with requirements of FAR 91.207(d) and was found to be in satisfactory condition.
12. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
13. Nothing follows.

Inspector

Frank Mook

Date

9/14/01

AIRCRAFT LOG

Aircraft Time

Recorder



P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 13459
Engine Make T.C.M. Model LTSIO-360RB1B
Serial # 322075/322321 Eng. T.T. 453.6 S.M.O.H. N/A
A/F T.T. 453.6 Hobbs Time 453.6 Tach Time N/A

1. Replaced left and right TIT indicators. Left TIT S/N #0168, right TIT S/N# 0152. Operational check was satisfactory.
2. Nothing follows.

Inspector Frank Mock Date 11/5/01

Registration No. _____



P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 13578
Engine Make T.C.M. Model LTSIO-360RB1B
Serial # 322075/322321 Eng. T.T. 492.0 S.M.O.H. N/A
A/F T.T. 492.0 Hobbs Time 492.0 Tach Time N/A

1. Complied Service Letter No.1036 per service letter instructions. Throttle force did not exceed 6 pounds. Percision Service Information Letter, SIL RS-59 Rev. 2 is not applicable due to 2576540-7 Fuel Servos being installed.

2. Nothing follows.

Inspector Frank Mock Date 12/13/01

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N687AV A/C Ser. # 3449180 W.O. # 13645/13578
 Engine Make T.C.M. Model LTSIO-360RB1B
 Serial # 322321 Eng. T.T. 577.0 S.M.O.H. N/A
 A/F T.T. 577.0 Hobbs Time 577.0 Tach Time N/A

1. Replaced pilot and copilot sun visors.
2. Replaced left and right wheel brake linings.
3. Nothing follows.

Inspector Frank Mock Date 2/15/02

Registration No. _____

MAKE: PIPER
MODEL: PA-34-220T
S/N: 3449180
REG. NO: N687AV
WORK ORDER: 13743

NORTHERN CALIFORNIA PIPER
P.O. BOX 50608
PALO ALTO, CA 94303
Repair Station No. BJ3R399L

DATE: 05/01/2002
TTA: 617.5
HOBBS: 617.5

Airframe Entries

COMPLIED WITH PIPER VSP-137 BY VERIFYING THAT THE LANDING GEAR CYLINDERS ON THE AIRCRAFT WERE NOT RECEIVED FROM PIPER DURING THE DATES SPECIFIED IN CLEVELAND SERVICE BULLETIN 7073....

DATE: 05/01/2002 SIGNED: _____ WORK ORDER: 13743

Certified Repair Station No. BJ3R399L

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed.

Altimeter tested to 25000 Ft.
IAW FAR 43 App. E on 23 JUL 02
Signed [Signature] Date 23 JUL 02
Northcoast Services crs WR3R955L

Tested by [Signature] Date 23 JUL 02

8000	6000	4000	3000	2000	1500	1000	500	0	-1000	-1500
-30	-30	-35	-30	-30	-25	-20	-10	-20	-15	-15

PORT Altimeter

Scale Cg

AIRCRAFT LOG

MAKE: PIPER
MODEL: PA-34-220T
S/N: 3449180
REG. NO: N687AV
WORK ORDER: 13922



NORTHERN CALIFORNIA PIPER

P.O. BOX 50608
PALO ALTO, CA 94303
Repair Station No. BJ3R399L

DATE: 7/31/02
TTA: 689.80
HOBBS: 689.80

Airframe Entries

PERFORMED ANNUAL INSPECTION USING A CHECK LIST THAT MEETS THE REQUIREMENTS OF FAR 43 APPENDIX D.... I CERTIFY THAT THE ELT HAS BEEN INSPECTED IN ACCORDANCE WITH REQUIREMENTS OF FAR 91.207(D) AND WAS FOUND TO BE IN SATISFACTORY CONDITION.... REPLACED LEFT HAND LANDING LIGHT LAMP. OPERATIONAL CHECK WAS GOOD.... COMPLIED WITH SERVICE BULLETIN NO.1113 BY INSPECTING THE NOSE GEAR DOWN LOCK LINK ASSEMBLY. EYE BOLT IS MILLED CORRECTLY PER SERVICE BULLETIN INSTRUCTIONS AND DOES NOT REQUIRE REPLACEMENT.... REPLACED ELT BATTERY WITH A NEW BATTERY. NEW EXPIRATION DATE IS MAY 2004.

... COMPLIED WITH SERVICE BULLETIN 1100A BY INSPECTING THE STABILATOR TRIM LINK ASSEMBLY. NO FAULTS FOUND.... COMPLIED WITH AD 93-24-14 BY REPLACING THE UPPER NOSE GEAR DRAG LINK BOLT. CYCLED THE GEAR NUMEROUS FAULT FREE TIMES INCLUDING AN EMERGENCY EXTENSION.... REMOVED COPILOTS ATTITUDE INDICATOR AND REPLACED WITH A NEW ATTITUDE INDICATOR P/N 548-365.... REPLACED NOSE BAGGAGE DOOR SEAL.... I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION....

DATE: 7/31/02 SIGNED: *Frank Mock* WORK ORDER: 13922

Certified Repair Station No. BJ3R399L

Total To Carry Forward				

Registration No. _____

SENIOR, N687AV, REPAIR ORDER 5530
REPAIRED #2 COM.
REFER TO REPAIR ORDER.

Signed: *[Signature]*

Date: 09/18/02

The Avionics Specialists, Inc.

FAA-Approved Repair Station No. S3DR062N

MAKE: PIPER
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER: 1031-01-2003

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206

DATE: 1/31/2003
TTA: 771.7

Airframe Entries

(1) Replaced main gear tires with new Goodyear Flight Custom III, s/n 21801232 on right, 21821177 on left....

I certify that this AIRCRAFT is airworthy with respect to the work performed.

DATE: 1/31/2003

SIGNED: *Tom Rouch*

WORK ORDER: 1031-01-2003

Tom Rouch, A&P 549447166

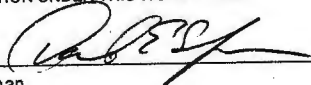
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REPLACED CABIN COMBUSTION HEATER SPARK PLUG WITH P/N 757-334, OPERATION IS NORMAL AT THIS TIME...
 REPLACED TORN BATTERY TERMINAL BOOT WITH NEW P/N MS25171-4... ATTACHED FIRE EXTINGUISHER TO FRAME
 OF AFT FACING RIGHT SEAT. CHECKED WEIGHT TO BE 25.7 OZ AT THIS TIME... CLEANED AND INSPECTED FUEL
 SCREENS, REPLACED O-RINGS WITH NEW P/N 751-898 AND 757-255, 2 EA. NO LEAKS... REPLACED BOTH MAIN GEAR
 LOWER TORQUE LINK BUSHINGS WITH 4 EA. P/N 87026-013... PERFORMED NORMAL AND EMERGENCY GEAR
 OPERATIONS, LUBRICATED AND SERVICED AIRCRAFT....

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT
 MAINTENANCE RULES OF THE FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE
 REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER

DATE: 8/6/2003

SIGNED:



WORK ORDER: 2305-07-2003

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Dan Salzman

Certified Repair Station No. HPFR569X

MAKE: Piper
 MODEL: PA-34-220T
 S/N: 3449180
 REG. NO: 687AV
 WORK ORDER: 1330-08-2003

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
 Stockton, CA 95206

DATE: 11/24/2003
 TTA: 844.20
 TACH: 844.20

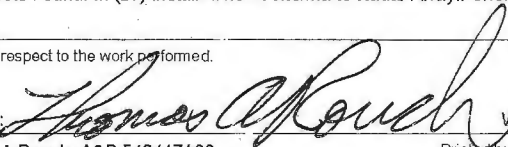
Airframe Entries

(2) Replaced left wing De-ice boot with new boot.... (3) Replaced left outboard fuel tank with new tank.... (4) Fabricated fuel tank
 attach straps and installed in left wing.... (5) Replaced left outboard leading edge skin.... (6) Replaced left outboard trailing edge
 skin.... (7) Replaced left aileron.... (8) Installed new Radome.... (9) Filled dent on right fuselage nose cone.... (10) Replaced right
 inboard leading edge fairing & wing walk fairing.... (11) Replaced wingwalk on right right wing.... (12) Replaced right flap lower
 inboard skin.... (13) Replaced nose tire and nose wheel.... (14) ... (15) Installed new right nose gear door. Ops check normal.... (16)
 Removed dent at outboard end of aft spar.... (18) Replaced left wing aft spar mounting bracket and attach bolt.... (19) Repaired right
 inboard leading edge lower skin damage with flush patch repair & removed dent from leading edge fairing gang channel.... (20)
 Completed hard landing and severe turbulence inspection per Piper Service Manual.... (22) Complied with Piper SB 1139, Control
 Wheel Attachment Inspection, No Defects Found. (23) Installed new Antenna to Radar Array. Performed operational test of Radar
 System. Tested OK....

I certify that this AIRCRAFT is airworthy with respect to the work performed.

DATE: 11/24/2003

SIGNED:



WORK ORDER: 1330-08-2003

Thomas A Rouch, A&P 549447166

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AIRCRAFT LOG

MAKE: PIPER
 MODEL: PA34-220T
 S/N: 3449180
 REG. NO: 687AV
 WORK ORDER: 2305-07-2003



HIGH PERFORMANCE AIRCRAFT, INC.

1850 JOE CROSSON DRIVE
 EL CAJON, CA 92020

Repair Station No. HPFR569X

DATE: 8/6/2003
 TTA: 853.2
 HOBBS: 853.2

Airframe Entries

COMPLETED AN ANNUAL/ 100 HOUR INSPECTION IN ACCORDANCE WITH FAR PART 43, APPENDIX D, USING PIPER
 PA34-220T MAINTENANCE MANUAL 5-20-00 CHECKLIST, REV. DATE MAY 31, 2002, AS A GUIDE. ALL AD'S CHECKED
 THRU REV 2003-15, SEE ATTACHED LIST.... COMPLIED WITH AD 2003-11-14 EFFECTIVE JUNE 20,2003 (HEATER FUEL
 PUMP LEAKAGE INSPECTION) AND PIPER SB 1127A, REPLACED PUMP ASSEMBLY WITH P/N 84251-003, NO LEAKS
 DETECTED DURING HEATER OPERATION... COMPLIED WITH AD 2001-17-13, DATED 09/11/2001 (TO ELIMINATE OR
 SEVERELY REDUCE THE POTENTIAL FOR FUEL LEAKAGE) AND PIPER VSP-149 (KELLY AEROSPACE BULLETIN A-107A)
 FOUND VALVE LEAKING, REPLACED HEATER PRESSURE REGULATOR SHUTOFF VALVE WITH P/N 461-731REP, NO
 LEAKAGE DETECTED DURING HEATER OPERATION ... INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE
 REQUIREMENTS OF FAR 91.207(d) ON THIS DATE, BATTERY DUE 5/2004 ... COMPLIED WITH PIPER SB 1123 (NOSE GEAR
 INSPECTION) NO ABNORMALITIES NOTED, BOLT WAS REPLACED PREVIOUSLY, NEXT REPLACEMENT DUE @ 1189.8
 HOURS... COMPLIED WITH PIPER SB 1113 (NOSE GEAR DOWN LOCK PIN INSPECTION) INSPECTED, FOUND NEW STYLE
 PIN INSTALLED... COMPLIED WITH PIPER SB 1081A (HORIZON AEROSPACE ANALOG INSTRUMENT POINTER
 CALIBRATION) ALL ANALOG INSTRUMENTS ARE INDICATING CORRECTLY AT THIS TIME... COMPLIED WITH PIPER SB
 1041 (AIRBORNE SL 56) INSPECTED INSTRUMENT AIR FILTER ASSEMBLY AND REPLACED FILTER... COMPLIED WITH
 PIPER SL 1069 (FLIGHT CONTROL CABLE TERMINAL CORROSION INSPECTION) NO CORROSION DETECTED AT THIS
 TIME... COMPLIED WITH PIPER SL 1048A (DDMP MAY PROVIDE ERRONEOUS INFORMATION), REPLACED DDMP WITH
 P/N 680-475REP, S/N 0323, OPERATIONAL CHECK OK AT THIS TIME... COMPLIED WITH PIPER VSP-145 (MCCAULEY SL
 2002-24) FOUND NEW STEEL GASKETS, P/N B-7796 PREVIOUSLY INSTALLED... COMPLIED WITH PIPER VSP-142 (GARMIN
 SB 0204) SOFTWARE UPGRADE, UPDATED GARMIN'S TO CURRENT UPDATE... COMPLIED WITH VSP-155, CLEVELAND
 WHEEL AND BRAKES, PARKER HANNIFIN SB 7076, ACTUATORS ARE AFFECTED, NOT LEAKING AT THIS TIME,
 REINSPECT EACH 100 HRS OR AT NEXT ANNUAL... COMPLIED WITH PIPER SB 1048 BY LUBRICATING CABLES WITH
 AEROSHELL 33 AS INSTRUCTED.... REPLACED RIGHT HAND WHITE NAV BULB WITH NEW P/N A510-28 BULB. REPLACED
 BROKEN BULB SOCKET WITH NEW P/N 762-426... REPLACED STEREO 1A CIRCUIT BREAKER WITH P/N 7277-2-1...
 REPLACED LANDING GEAR POSITION INDICATOR MODULE WITH P/N 85315-003, OPERATION IS NORMAL AT THIS TIME...
 REPLACED RH AND LH PROP DE-ICE BRUSH BLOCKS WITH 2 EA. NEW P/N 758-462... REPLACED ALTERNATE AIR
 BUSHINGS WITH 4 EA. P/N 691-800... REPLACED INSTRUMENT AIR FILTER WITH NEW P/N AAD9-18-1 AND VACUUM
 REGULATOR FILTERS WITH NEW 2 EA. P/N B3-5-1... REPLACED BOTH BRAKE DISCS WITH 2 EA. P/N 164-21600 AND 8 EA.
 BRAKE LININGS P/N 068-06200. REPLACED RIGHT BRAKE SHIM WITH ONE EA. P/N 068-01100....



1850 Joe Crosson Drive, El Cajon, CA 92020
FAA Certified Repair Station HPFR569X
(858) 576-5000

I certify that the Altimeter, Automatic Pressure Altitude Reporting, Static Systems and ATC Transponder tests and Inspections required by FAR 91.411 and 91.413 (a) have been performed and found to comply with FAR part 43, Appendices E & F

Registration NO. 687AV Date 9-10-04
Altimeter S/N 412436 Tested to 39000 Feet.
Transponder S/N Encoder S/N

Pertinent Details of these tests are on file at this repair station under

Work Order No. 3043-08-2004 Signature Ken Coryell



1850 Joe Crosson Drive, El Cajon, CA 92020
FAA Certified Repair Station HPFR569X
(858) 576-5000

I certify that the Altimeter, Automatic Pressure Altitude Reporting, Static Systems and ATC Transponder tests and Inspections required by FAR 91.411 and 91.413 (a) have been performed and found to comply with FAR part 43, Appendices E & F

Registration NO. 687AV Date 9-10-04
Altimeter S/N 30972 Tested to 30,000 Feet.
Transponder S/N 83700120 Encoder S/N 30972

Pertinent Details of these tests are on file at this repair station under

Work Order No. 3043-08-2004 Signature Ken Coryell

Total To
Carry Forward

MAINTENANCE RELEASE

COMPONENT Altimeter SERIAL NO. 1756 E/C

PART/MODEL NO. 0140-P

☐ Overhaul ☐ Repair ☒ Inspected ☐ New

The aircraft appliance identified above was overhauled, repaired, functional tested or is new as per block above in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details of this component are on file at this agency under

Work Order # 37183 Date 9-8-04

Authorized Signature [Signature] P/N 6640

Registration No. _____

MAKE: PIPER
MODEL: PA34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
3043-08-2004



HIGH PERFORMANCE AIRCRAFT, INC.

Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
EL CAJON, CA 92020
Phone: 858-576-5000

DATE: 9/10/2004
A/C TSN: 947.2
HOBBS: 947.2

Airframe Entries

COMPLETED AN ANNUAL INSPECTION IN ACCORDANCE WITH FAR PART 43, APPENDIX D, USING CURRENT PIPER PA34-220T MAINTENANCE MANUAL 5-20-00 CHECKLIST AS A GUIDE. ALL AD'S CHECKED THRU REV 2004-18, SEE ATTACHED LIST.... COMPLIED WITH AD 2004-14-12, DATED 8/10/2004 (CONTROL WHEEL ATTACHING HARDWARE INSPECTION AND RETAINER CLIP INSTALLATION) PER PIPER SB 1139A, REPLACED SCREWS ON PILOT & COPILOT CONTROL WHEELS WITH 2 EA. P/N 410-047 AND LOCTITE PER SB INSTRUCTIONS, NUT REPLACEMENT NOT REQUIRED. PART II COMPLIED WITH BY INSTALLING 2 EA. CLIPS P/N 104687-002 AND 4 EA. SCREWS P/N 416-390.... REPLACED ELT BATTERY WITH P/N 452-0130, INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d) ON THIS DATE. ELT BATTERY EXPIRES ON OCT. 2006... COMPLIED WITH PIPER SB 1048 (STAINLESS STEEL CABLES)... REMOVED ALTITUDE PRESELECTOR/ALERTER P/N 0140-P, S/N 1756E/C FOR REPAIR. REINSTALLED AFTER REPAIR BY S-TEC (W/O 37183), FULL OPERATIONAL TEST PERFORMED IN AIRCRAFT, UNIT FUNCTIONS NORMALLY AT THIS TIME... REPLACED LEFT FLAP INBOARD HINGE BUSHINGS WITH ONE EACH P/N 63900-19 AND ONE EACH P/N 63900-020... REPLACED BRAKE LININGS WITH NEW 068-06200 PADS.... REPLACED RIGHT MAIN GEAR DOOR HINGE WITH P/N 63744-011 PIN, P/N 67093-005 HINGE HALF, AND P/N 67095-001 HINGE HALF... REPLACED LEFT MAIN GEAR DOWNLOCK OUTBOARD LINK ASSY WITH P/N 39472-002... PERFORMED NORMAL AND EMERGENCY GEAR OPERATIONS, LUBRICATED AND SERVICED AIRCRAFT.

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. 3043-08-2004 Dated 9/10/2004

DATE: 9/10/2004

SIGNED: [Signature]

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 3043-08-2004

Printed by EBis 3 (datcomedia.com)

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
2185-06-2005

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 6/13/2005
A/C TSN: 1032.8
TACH: 1032.8

Airframe Entries

(2) Replaced left main tire.

I certify that this AIRCRAFT is airworthy with respect to the work performed.

DATE: 6/13/2005

SIGNED:

Thomas A Rouch, IA: 54944/166

Work Order: 2185-06-2005

Printed by EBis 3 (datcomedia.com)

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
2202-06-2005

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 7/5/2005
A/C TSN: 1044.1
TACH: 1044.1

Airframe Entries

(1) Replaced heater fuel solenoid valve. Ops check OK.... (2) Complied with Piper SB 1127B By installation of kit PN 767-367, Function check of combustion heater fuel pump, OK.... (3) Lubricated left engine cowl flap actuating rod and hinges, function check ok.

I certify that this AIRCRAFT is airworthy with respect to the work performed

DATE: 7/5/2005

SIGNED:

Mark T. Rouch, IA: 566531421 IA

Work Order: 2202-06-2005

Printed by EBis 3 (datcomedia.com)

Registration No. _____

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
2365-09-2005

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 10/14/2005
A/C TSN: 1101.1
TACH: 1101.1

ite No. _____

Airframe Entries

(1) Completed ANNUAL inspection IAW Piper maintenance manual... (8) Cleaned, Inspected and lubricated all wheel bearings.... (9) CW ELT 12 month check IAW FAR91.207 [d][1][2][3][4].... (13) Replaced pilot PTT switch with new 84549-004.... (14) Cleaned heater fuel nozzle. Replaced 17E24-4 Rev. N, 7/05 ignition assy. and 39D18 spark plug.... (15) Secured pilots side rear window trim with velcro.... (17) Replaced right tach with Horizon 7710-1 sn: 03011060.... (20) Cleaned left oil pres. and right alt warning lamps and reinstalled useig dielectric grease.... (22) Fabricated new deice extension leads for the left prop and function tested.... (23) Insulated right engine cht wires from motor mount.... (24) Removed and installed new air conditioner belt on left engine.... (26) Removed O2 bottle for hydro test. Re-installed O2 bottle after Hydrostatic test. Serviced to 1850 PSI, Next Hydrostatic test due Oct 2008.... (27) Removed battery, cleaned, added water, charged and re-installed in acft.... (29) Straightened left throttle cable at the engine.... (31) Installed new bolt on left engine, left baffle.... (34) Serviced gear motor reservoir with proper fluid level.... (37) Secured air conditioning hose from rubbing on WX500 computer.... (39) Cleaned both induction air filters.... (41) Installed new vacuum regulator filters.... (44) Retorque hardware on nose steering bungee and installed new cotter pin.... (46) Replaced nose wheel bearings.... (47) Retorque jam nut on rod end at inboard flap hinge.... (49) Installed new fuse on #49. Co-pilots map light is now working.... (50) Installed courtesy light fuse at #49. Passenger rear left dome light is now working.... (53) Installed new gasket on left inboard fuel level sending unit. Ops check good, no leaks detected.... (55) Adjusted aileron, rudder and elevator cable tensions.... (56) Installed new brake linings to right and left main wheels.... (57) Installed new fuel filter o-rings on left and right wing.... (61) Completed 100hr/Annual Inspection

Checked all AD's thru 15-20 for applicability. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed.

DATE: 10/14/2005

SIGNED:

Mark T. Rouch, IA: 566531421 IA

Work Order: 2365-09-2005

Printed by EBis 3 (datcomedia.com)

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In accordance with the Warsaw Convention Regulations.

For shipping please call 1-800-762-7892

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
MAKE: Piper MODEL: PA-34-220T S/N: 3449180 REG. NO: 687AV WORK ORDER: 2809-08-2006				
Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082				
DATE: 8/30/2006 A/C TSN: 1287.7 TACH: 1287.7				
Airframe Entries (2) Removed inspected and clean combustion heater fuel nozzle. Re-installed overhauled heater blower motor after being overhauled by George's Electrical Service. Ops Check Good.				
I certify that this AIRCRAFT is airworthy with respect to the work performed				
DATE: 8/30/2006		SIGNED: 		Work Order: 2809-08-2006 Printed by EBis 3 (datamedia.com)
Mark T. Rouch, IA: 566531421 IA				
MAKE: Piper MODEL: PA-34-220T S/N: 3449180 REG. NO: 687AV WORK ORDER: 2901-11-2006				
Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082				
DATE: 11/30/2006 A/C TSN: 1322.4 TACH: 1322.4				
Airframe Entries (1) Complied with SB7076, Right main landing gear actuator by installation of upgrade kit, Function check OK.				
I certify that this ENGINE is airworthy with respect to the work performed.				
DATE: 11/30/2006		SIGNED: 		Work Order: 2901-11-2006 Printed by EBis 3 (datamedia.com)
Mark T. Rouch, IA: 566531421 IA				

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER: 2885-10-2006

Top Gun Aviation, Inc.
6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 11/9/2006
A/C TSN: 1322.4
TACH: 1322.4

Airframe Entries

(1) Completed Annual Inspection IAW Piper Service Manual.... (6) CW ELT 12 month check IAW FAR91.207 [d][1][2][3][4].... (7) Removed and re-installed radar afterbench test at LAC Avionics Inc.... (8) Installed Airwolf MiniSep air/oil separators to both engines IAW STC SA02288CH.... (9) CW AD 05-13-16 by inspecting nose gear and installing new upper drag link bolt per Piper SB 1123B.... (10) CW SB 1130 vertical fin contour/rivet check by visual inspection OK.... (11) Cleaned AC evaporator filter.... (12) Installed new stato-seal to right fuel bowl.... (13) Installed two new vacuum regulator filters.... (14) Repositioned middle rudder pedal torque tube bushing and retorqued clamp bolts.... (15) Installed new lamp to right nav light.... (16) Installed new lamp to left taxi light.... (17) Installed new ELT battery. Next due date OCT 2008.... (18) Re-positioned left stabilator deice tube to prevent chafing.... (19) Installed new rudder trim tab bushings.... (22) Salted both fuel strainer bolts.... (23) Complied with SB 7076 replaced actuator end gland and installed new washers and seals on left landing gear actuator.... (24) Installed new bolts and bushings to nose gear torque link.... (25) Installed new gaskets to both fuel caps.... (26) Serviced nose strut IAW Piper Service Manual.... (27) Installed new brake linings to both main wheels.... (29) Serviced gear motor reservoir.... (30) Cleaned and retorqued fitting on lower gear pump body.... (31) Cleaned,inspected and serviced all wheel bearings.... (33) Installed new hinge on right main gear door.... (34) Checked nose steering tiller adjustment, adjustment is in limits IAW SB 1123B.... (35) Replaced upper drag link bushing and bolt inspected through center travel, adjusted taxi light switch and up limit stop.... (46) Replaced missing rivet on oil breather tube on right engine.... (53) Insulated and secured right engine prop control cable.... (55) Complied with AD 84-28-02 by installing two new induction air filters. Next due at ACTT:1822.4.... (58) Complied with SB 1161 inspected ribs assemblies at wing stations 49.25 left and right for cracks, re-inspect for cracks next 500hrs at ACTT: 1822.4.... (59) Installed new pistons and insulators to left and right brake assemblies.Installed new pressure plate and shim to left brake.... (61) Completed 100hr/Annual inspection.

Checked all AD's thru 28-77 for applicability. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed.

DATE: 11/9/2006

SIGNED: 

Work Order: 2885-10-2006

Thomas W. Richard, IA: 547493873

Printed by EBis 3 (datamedia.com)



ARTEX AIRCRAFT SUPPLIES, INC.
14405 Kell Rd. NE Aurora, OR 97002
(503) 678-7329 800-547-8901

LOG BOOK ENTRY 

E.L.T. BATTERY

REPLACEMENT DATE 10/2008

AIRCRAFT LOG

Date

Next Due
12-2008

Form 1A

Tested in compliance with App. Tested to: 30000 ft.

Precision Static Testing

PILOT FIRST OFFICER

INSPECTED BY

Altitude	Scale Error	Friction Error	Encoder
-1000	0	0	-1K
0	-10	0	0
500	0	0	.5K
1000	-10	20	1K
1500	0	20	1.5K
2000	0	20	2K
3000	0	20	3K
4000	0	20	4K
5000	0	20	5K
6000	0	20	6K
8000	-10	20	8K
10000	0	20	10K
12000	+10	20	12K
14000	0	20	14K
15000	-10	20	15K
16000	0	20	16K
18000	-10	20	18K
20000	+20	20	20K
22000	+10	20	22K
25000	-20	40	25K
30000	-60	40	30K
35000			
40000			
45000			
50000			

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
2965-01-2007



Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 1/12/2007
A/C TSN: 1347.1
TAGH: 1347.1

Airframe Entries

- (1) Installed new left main tire (2) Repositioned and secured brake lines above pilots left rudder pedal.

I certify that this AIRCRAFT is airworthy with respect to the work performed.

Total T
Carry

DATE: 1/12/2007

SIGNED:

Thomas W. Richardi

Thomas W. Richardi, IA: 547493873

Work Order: 2965-01-2007

Printed by EBis 3 (datcomedia.com)

Registration No.

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
3108-04-2007

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 6/12/2007
A/C TSN: 1453.7
TAGH: 1453.7

e No.

Airframe Entries

- (1) Reinstalled digital eng guage after testing, Removed manifold pressure guage, MN 7720-1, PN 159253-3, S/N 0716,

I certify that this AIRCRAFT is airworthy with respect to the work performed.

DATE: 6/12/2007

SIGNED:

Thomas W. Richardi

Thomas W. Richardi, IA: 547493873

Work Order: 3108-04-2007

Printed by EBis 3 (datcomedia.com)

Scale Co	Altitude	Add
	-1000	-15
	0	-10
	500	-15
	1000	-20
	1500	-20
	2000	-30
	3000	-30
	4000	-30
	6000	-40
	8000	-30

Date: 12 DEC 07

Tested by: *Shirley*

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.

Altimeter tested to 25000 Ft. N 687AV

IAW FAR 43 App. E on 12 DEC 07

Signed: *Shirley*

Date: 12 DEC 07

Northcoast Services crs WR3R955L Time 1501.3

NORTHCOAST SERVICES Accounting & Scheduling: P.O. Box 2966, Vacaville, CA 95696 (707) 451-9421 Fax (707) 451-8517 FAA crs # WR3R955L 146 Deerglen Cir. Vacaville, CA 95687		No 028057	
NAME TOP GUN AVIATION		UNIT	
ADDRESS 6100 S. LINDBERGH		MODEL #	SERIAL #
CITY STOCKTON, CA 95206 <small>(PROBLEM)</small>		AIRCRAFT TYPE PA34-220T	SERIAL # N687AV
DUE OUT / /		DATE	12/12/07

INSPECTED BY J. G. H. H. H. FAA CERT. # 2312667

I HEREBY AUTHORIZE THE ABOVE REPAIRS ALONG WITH THE NECESSARY MATERIAL, YOU OR YOUR EMPLOYEES MAY MAKE ALL NECESSARY CHECKS TO DETERMINE THE ACCURACY OF THE ABOVE INFORMATION. BY SIGNING THIS LIEN IS HEREBY ACKNOWLEDGED ON ABOVE UNIT TO SECURE AMOUNT OF REPAIRS THERETO, IF IT BECOMES NECESSARY FOR YOU TO EMPLOY A COLLECTION AGENCY AND/OR AN ATTORNEY TO COLLECT THIS AMOUNT, I WILL UNDISCLOSED AGREE TO PAY ALL COURT COSTS PLUS A REASONABLE ATTORNEY'S FEE AND/OR COLLECTION FEE.


DUE ON RECEIPT

028057

PARTS		
LABOR	295	-
SUBLET OR OTHER		
TAX		
TOTAL	295	-

AIRCRAFT LOG

MAKE: Piper
MODEL: PA-34-220T
S/N: 3449180
REG. NO: 687AV
WORK ORDER:
3446-12-2007

 **CIRRUS**

Top Gun Aviation, Inc.
6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 1/21/2008
A/C TSN: 1501.3
TACH: 1501.3

Airframe Entries

(1) Completed ANNUAL inspection IAW Piper maintenance manual... (2) CW ELT 12 month check I.A.W FAR 91.207. Ops check OK.... (9) Installed all new vacuum regulator filters to left and right nacelles.... (10) Removed left eng. boost pump SN 8AT53 PN 2B6-88 installed overhauled boost pump PN 2B6-88 SN 6AU11.... (16) Serviced nose gear strut.... (17) Adjusted down lock link arm on nose gear.... (18) Installed new stat-o seals and o-rings on left and right gascolator.... (19) Installed new left side rear nav light.... (20) Installed new step grip tape on step.... (21) Installed new light bulbs in right alternator and right engine right mag switches... (22) Installed new storm window seal.... (23) Installed seal repair kit in right main gear actuator.... (25) Installed new central vacuum filter.... (26) Cleaned and lubed all wheel bearings

Checked all AD's thru CE-01 for applicability. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed.

DATE: 1/21/2008
SIGNED: 
Mark T. Rouch, IA: 568531421 IA

Work Order: 3446-12-2007
Printed by EBis 3 (datcomedia.com)

Total To Carry Forward				
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Registration No. _____

and Remarks

Signature

Certificate No.

ARINC

8014 E. McClain Drive Suite 100 Scottsdale, AZ 85260

FAA CRS No. G7QR017Y

AIRFRAME LOG ENTRY

Aircraft N687AV S/N 3449180 Seneca V HOBBS 1522.2

- Fuel leak on LH Wing - found screw on fuel panel loose, secured screw, leak check good IAW PA34-220T MM 20-00-00
- Service Struts - Serviced both Main struts with Nitrogen. Nose strut measurement checks good IAW Piper PA-34-220T MM 12-10-00.
- Dress Props - dressed props IAW E AC43.13-2B

With regard to the work described above, I certify that the above stated maintenance and/or inspection was performed in accordance with the Federal Aviation Regulations and this aircraft /component is presently airworthy and approved for return to service. **Details are on file under W.O. 10396**

Technician: John Fisher

Date: 14 Mar 08

Signature: *John Fisher*

Date

Aircraft Time

This Date

Total

Recorder
Reading

Maintenance



Lloyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

N 687AV

Hobbs: 1565.50

AFTT: 1565.50

Aircraft S/N: 3449180

Date: 10/29/2008

Work Accomplished

Airframe - Removed and replaced ELT battery with new unit, P/N 452-0130. Performed functional check of ELT in accordance with F.A.R. 91.207(d). Operational check satisfactory. New ELT battery due replacement 12/10.

Michael L. Mullen
Michael L. Mullen A&P549967919



Lloyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

N 687AV

Hobbs: 1571.20

AFTT: 1571.20

Aircraft S/N: 3449180

Date: 11/11/2008

Work Accomplished

Airframe - Removed and replaced right alternator with overhauled unit, P/N ES-4024LP, S/N E110438. See F.A.A. Form 8130-3 from Falcon Aircraft Accessories dated 11/10/2008. Set alternator belt tension as required and safetied. Operational check of alternator system satisfactory.

Michael L. Mullen
Michael L. Mullen A&P549967919



Lloyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



N 687AV
 Hobbs: 1604.10
 AFTT: 1604.10
 Aircraft S/N: 3449180
 Date: 2/20/2009

L. Eng. TT: 1604.10
 R. Eng. TT: 1604.10
 L.Prop. TT: 1604.10
 R.Prop. TT: 1604.10

Work Accomplished

Airframe - Completed an Annual Inspection this date in accordance with Piper PA-34-220T Maintenance Manual Inspection Guide as per F.A.R. 43 appendix D. C/W AD Note 2005-13-16 part (e)(2) by inspection of nose landing gear in accordance with Piper Service Bulletin SB1123B. All parts found to be serviceable at this time. AD compliance is due again at 1704.1 AFTT. C/W AD Note 2004-21-05 by pressure test of combustion heater assembly. No defects noted at this time. AD compliance is due again 2/20/2011 or 1804.1 AFTT. C/W AD Note 2004-15-16 R1 by inspection of heater fuel regulator shut-off valve for condition and fuel leaks. No defects noted at this time. AD compliance is due again at 1704.1 AFTT or 2/20/2010. C/W Piper Service Bulletin 1161 by inspection of wing rib assemblies on left and right sides as per paragraph 2a (500 hr. requirement). No defects noted at this time. SB compliance is due again at 1704.1 AFTT. Jacked aircraft. Removed and replaced both main tires with new Goodyear 6.00x6 8 ply tires. Removed and replaced nose tire with new Michelin 6.00x6 8 ply tire. All new tubes installed. Removed and replaced both brake discs and all brake linings with new parts. Serviced all wheel bearings with grease. Performed landing gear retract check through several fault-free cycles. Performed emergency gear extension. Operational checks of gear satisfactory. Removed aircraft from jacks. Removed and replaced right wing tip nav light bulb with new A508-28 bulb. Operational check of nav lights satisfactory. Removed oxygen bottle from aircraft. Sent bottle off to HRD Aero Systems for hydrostatic test. See F.A.A. Form 8130-3 and associated paperwork from HRD dated 2/18/2009 for more information. Reinstalled oxygen bottle into aircraft. Operational and leak check of oxygen system satisfactory. Performed functional test of ELT as per F.A.R. 91.207(d). ELT battery is due replacement 12/10. Aircraft ground run and taxi check satisfactory. I certify that this aircraft has been inspected in accordance with an Annual Inspection and is approved for return to service.

Lance Sondrol
 Lance Sondrol A&P32175701A

AIRCRAFT LOG



Lloyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



N 687AV
 Hobbs: 1620.60
 AFTT: 1620.60
 Aircraft S/N: 3449180
 Date: 8/16/2009

Work Accomplished

Airframe - Removed and replaced left fuel boost pump with overhauled pump, P/N 2B6-88, S/N 38252. See F.A.A. Form 8130-3 from Fleet Support Services, Inc. dated 12/22/08 for more information. Operational and leak checks of boost pump satisfactory.

Mark W. Wiebe
 Mark W. Wiebe A&P561868073



Lloyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



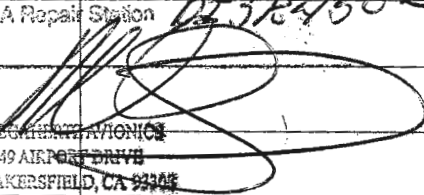
N 687AV
 Hobbs: 1653.80
 Tach: NA
 AFTT: 1653.80
 AFTC: NA
 Date: 1/7/2010
 L. Eng. TT: 1653.80
 R. Eng. TT: 1653.80
 L.Prop. TT: 1653.80
 R.Prop. TT: 1653.80
 Aircraft S/N: 3449180

Work Accomplished

Airframe - Installed Slick Start ignition booster per STC SA593CH, no weight change, equipment list revised and filed 337 form with FAA.

Mark W. Wiebe
 Mark W. Wiebe AP561868073

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
1-22-10	Brought Forward →	#665 1667.1		
		The static pressure system and altimeter S/N	30972/410430	
		were inspected and tested this date	1-22-10	to SA
		altitude of	30,000	feet found to comply
		with FAR91.411. The ATC Transponder S/N	83700720	
		was tested and inspected on this date	1-22-10	and
		found to comply with FAR91.413. The automatic altitude		
		reporting equipment S/N	30972	was tested
		this date	1-22-10	in compliance with FAR91.411.
MECAHERTZ AVIONICS 1949 AIRPORT DRIVE BAKERSFIELD, CA 93306 CRS DBR450L RADIO CLASS 1,2,3 LIMITED INSTRUMENT SPECIALIZED SERVICES PITOT STATIC (661) 393-1818			FAA Repair Station by: 	02384506
			MECAHERTZ AVIONICS 1949 AIRPORT DRIVE BAKERSFIELD, CA 93306 CRS DBR450L RADIO CLASS 1,2,3 LIMITED INSTRUMENT SPECIALIZED SERVICES PITOT STATIC (661) 393-1818	
Total To Carry Forward				

and Remarks

Signature

Certificate No.



Lloyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



PAGE 1

Date: 6/07/2011; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1749.00; Total Time: 1749.00;
Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1749.00, SMOH: 1749.00; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1749.00, Last Prop MOH: 417.80-9/20/2001, SMOH: 1331.20; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1749.00, SMOH: 1749.00; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1749.00, Last Prop MOH: 417.80-9/20/2001, SMOH: 1331.20; Work Done At - Airframe Time: 1749.00, Engine Time: 1749.00,

Discrepancy:

Annual inspection due.

Completed an Annual inspection this date in accordance with Piper Maintenance Manual Inspection Check List and F.A.R. 43 appendix d.

Discrepancy:

AD note 2004-21-05 (heater pressure test) due.

Complied with AD note 2004-321-05 per AD note instructions. No defects found at this time.

Discrepancy:

AD note 2004-25-16R1 (heater fuel regulator) due.

Complied with AD note 2004-25-16R1 per AD note instructions. No defects found at this time.

Discrepancy:

AD note 2005-13-16 (50, 100 & 500 hour inspections of nose gear) due.

Complied with AD note 2005-13-16 / 50, 100 & 500 hour inspections per AD note instructions. No defects found at this time.

Discrepancy:

AD note 2010-15-10 (control wheel shaft inspection) due.

Complied with AD note 2010-15-10 per AD note instructions. No defects found at this time.

Discrepancy:

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



Lloyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



PAGE 2

AD note 84-26-02 (engine air filter replacement) due.

Complied with AD note 84-26-02 by installing new air filters per AD note instructions. No defects found at this time.

Discrepancy:

All engine compartment hoses due 5 year replacement.

Removed and replaced all engine compartment flexible hoses on left and right engines. Hoses manufactured by

Aviall. Leak check good.

Discrepancy:

Corrosion on floor of battery area.

Cleaned and treated corrosion on battery floor area.

Discrepancy:

Battery weak. Will not pass capacitance test,

Serviced and charged new aircraft battery. Installed G247 serial# G02513708.

Discrepancy:

Oxygen system low.

Serviced oxygen system with Aviators Breathing Oxygen.

Discrepancy:

ELT battery due.

Removed and replaced ELT battery with new unit. Performed functional test in accordance with FAR 91.207d. New battery due date 5-2013.

This aircraft is approved for return to service with respect to the work performed.

T: *Mark W Wiebe*
C: Mark W Wiebe AP5618680731A

and Remarks	Signature	Certificate No.

LOGBOOK: N687AV
DATE: 03/27/2012

P/S CERT.
A/C TIME: H1752.6

THE STATIC PRESSURE SYSTEM AND ALTIMETER S/N 30972 / 412436 WERE INSPECTED AND TESTED THIS DATE TO AN ALTITUDE OF 30,000 FT AND FOUND TO COMPLY WITH FAR 91.411. THE ATC TRANSPONDER S/N 83700720 WAS TESTED AND INSPECTED ON THIS DATE AND FOUND TO COMPLY WITH FAR 91.413. THE AUTOMATIC ALTITUDE REPORTING EQUIPMENT S/N 30972 WAS TESTED THIS DATE IN COMPLIANCE WITH FAR 91.411.

WO# 24089

RICHARD KURTZ
FAA CRS D13R450L
RADIO CLASS 1,2,3
LIMITED INSTRUMENT

MEGAHERTZ AVIONICS, INC.
1949 AIRPORT DR.
BAKERSFIELD, CA 93308
(661) 393-1818

AIRCRAFT LOG



Lloyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 9/01/2012; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1755.20; Total Time: 1755.20; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1755.20, SMOH: 1755.20; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1755.20, Last Prop MOH: 417.80-9/20/2001, SMOH: 1337.40; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1755.20, SMOH: 1755.20; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1755.20, Last Prop MOH: 417.80-9/20/2001, SMOH: 1337.40; Work Done At - Airframe Time: 1755.20, Engine Time: 1755.20, Shop Order #: 15301

Discrepancy:

Annual inspection due.

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix d.

Discrepancy:

AD Note 2004-25-16R1 (heater fuel regulator inspection) due.

Complied with AD Note 2004-25-16R1 (heater fuel regulator inspection) per AD note instructions. No defects found at this time.

Discrepancy:

AD Note 2005-13-16 (nose gear inspection) due.

Complied with AD by performing required 50 hour inspection of nose gear assy. No defects noted at this time.

Discrepancy:

Right engine front baffling cracked.

Fabricated patch from .032 2025T3 aluminum, painted to match and riveted in place.

Discrepancy:

Heater fuel pump outlet fitting leaking fuel.

Removed interior to facilitate access to fuel pump. Removed fitting, resealed, and torqued to Piper specs. Leaked checked fitting and functionally checked heater. No defects noted. Reinstalled interior. This aircraft is approved for return to service with respect to the work performed.

Mark E. Jensen AP1941683IA

AIRCRAFT LOG



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



PAGE 1

Date: 1/13/2014; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1768.60; Total Time: 1768.60;
Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1768.60; Prop 1 Type: 3AF32C522, S/N: 001236, Time:
1768.60; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1768.60; Prop 2, Type: 3AF32C523, S/N: 001549,
Time: 1768.60; Work Done At - Airframe Time: 1768.60, Engine Time: 1768.60,

Shop Order #: 16149, Closed: 12/31/2013

****Discrepancy****

Annual Inspection due.

Completed an Annual Inspection this date in accordance with F.A.R. 43 appendix d.

****Discrepancy****

AD 2004-21-05 Combustion heater pressure test due.

Complied with AD by pressure test of combustion heater. No defects noted at this time.

****Discrepancy****

AD 2004-25-16R1 Heater fuel regulator inspection due.

Complied with AD by visual inspection of heater fuel regulator unit. No defects noted at this time.

****Discrepancy****

AD 2009-02-03 Lean running engine due.

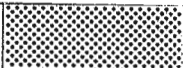
Complied with AD note 2009-02-03 per AD note instructions. No defects found at this time.

****Discrepancy****

ELT Annual test due and ELT battery due replacement.

Removed and replaced ELT battery with new unit. Performed functional test in accordance with FAR 91.207d using the ICARUS model # ELT406-03. Calibration date 1/1/2015. New ELT battery due date 12/2015.

Total To
Carry Forward



Registration No. _____

and Remarks

Signature

Certificate No.



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 1/31/2013; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1758.40; Total Time: 1758.40;
Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1758.40, SMOH: 1758.40; Prop 1 Type: 3AF32C522, S/N:
001236, Time: 1758.40, Last Prop MOH: 417.80-9/20/2001, SMOH: 1340.60; Engine 2, Type: LTSIO-360-RB1B, S/N:
322075, Time: 1758.40, SMOH: 1758.40; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1758.40, Last Prop MOH:
417.80-9/20/2001, SMOH: 1340.60

Shop Order #: 15537

Discrepancy:

Left fuel boost pump inoperative.

Installed original pump serial number 7AV19 after overhaul by Fleet Support Service. No leaks found and ground run was normal.

This aircraft is approved for return to service with respect to the work performed.

Michael L Mullen AP549967919

Michael L Mullen

AIRCRAFT LOG



Lloyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 3/11/2015; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1813.00; Total Time: 1813.00; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1813.00; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1813.00; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1813.00; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1813.00; Work Done At - Airframe Time: 1813.00, Engine Time: 1813.00, Shop Order #: 16786

****Discrepancy****

Annual inspection due.

Completed an Annual Inspection this date in accordance with F.A.R. 43 appendix d.

****Discrepancy** 5**

AD 2004-25-16R1 (Heater fuel shutoff valve inspection) due.

Complied with AD note 2004-25-16R1 per AD note instructions. No defects found at this time.

****Discrepancy****

AD 2005-13-16 (NLG inspection) 50 Hour interval due.

Complied with AD by performing 50 hour required lubrication of nose gear.

****Discrepancy****

Static wick on right flap missing.

Installed new static wick.

****Discrepancy****

Pilots storm window broken.

Removed storm window, fit new window and riveted in place.

****Discrepancy****

Left and right propellers due overhaul.

Removed left and right propellers with slip rings and sent to Johnson Propeller for overhaul. Reinstalled both propeller and slip

Carry Forward



Lloyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



PAGE 2

****Discrepancy****

Right landing light inop.

Relamped right landing light. Ops check good.

****Discrepancy****

Oxygen system low.

Serviced oxygen system with Aviators Breathing Oxygen.

****Discrepancy****

Air conditioning require servicing.

Recovered 1.23lbs of R134 freon. Vacuumed and serviced system with 2.25lbs of R134 freon.

This aircraft is approved for return to service with respect to the work performed.

Mark E Jensen AP1941683IA

[Signature]

Interior Work Performed Piper Seneca V - N687AV

Aviation Design - 20166 Pine Mountain Dr., Groveland, Ca 95321 (209) 962-0415

Total Time Tach: 1813.0

Seats: Refurbished and covered Seats with Spinneybeck Leather, P/N6064ADI11044 -

Color Andes, D/L 111044

Above materials were tested to FAR 25.853 (a) Appendix F Part 2(a)(1)(8).

Weight and Balance Negligible.

Burn Certs provided to: Owner

Work signed off by: *[Signature]* AP 561868073



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



ring assemblies on aircraft. Lube torqued to 50 ft lbs. Timed syncrophazer target assemblies per PA34-220T maintenance manual.

****Discrepancy****

All three tires are weathered. (sidewall cracks).
Replaced all three tires and tubes.

****Discrepancy****

RH engine and LH engine alternator belts cracking
Replaced alternator belts with new units. Tensioned and saftied.

****Discrepancy****

All brake linings worn.
Replaced all brake linings with new units.

****Discrepancy****

Right engine bottom cowl fuel drain attaching hardware missing.
Installed nut with lock washer to secure drain.

****Discrepancy****

Oxygen bottle due recertification.
Removed oxygen bottle and found it was past service life. Installed new bottle in aircraft and serviced with Aviators Breathing Oxygen. Leak check good.

****Discrepancy****

Nose gear strut leaking.
Jacked aircraft. Resealed nose strut assembly by replacing seals and wiper assembly. Serviced strut with hydraulic fluid and nitrogen. Removed aircraft from jacks.

****Discrepancy****

Nose gear up stop deteriorated
Replaced stop with factory new unit.

****Discrepancy****

Nose wheel races and bearings corroded.
Replaced races and bearings with new units.

This aircraft is approved for return to service with respect to the work performed.

Mark W Wiebe
Mark W Wiebe AP5618680731A

AIRCRAFT LOG



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 5/28/2015; Aircraft: N687AV; Type: PIPER, PA34-220T; S/N: 3449180; Hobbs: 1830.40; Total Time: 1830.40; Engine 1 Type: TSIO-360-RB1B, S/N: 322321, Time: 1830.40; Prop 1 Type: 3AF32C522, S/N: 001236, Time: 1830.40; Engine 2, Type: LTSIO-360-RB1B, S/N: 322075, Time: 1830.40; Prop 2, Type: 3AF32C523, S/N: 001549, Time: 1830.40; Work Done At - Airframe Time: 1830.40, Engine Time: 1830.40,

-- Discrepancy -- Install new wing root to fuselage rubber seal.

Removed inboard left and right wing leading edge assemblies, and installed additional fiberglass to inside leading edge radius at inboard edge. Installed cuff on fuselage at intersection of inboard leading edge of wing and fuselage to support seal. Installed new left and right wing to fuselage rubber seals. This aircraft is approved for return to service with respect to the work performed.

George Leazer AP3557664

George Leazer

Total To Carry Forward				

AIRCRAFT LOG



Loyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



N 687AV

Hobbs: 1850.50

AFTT: 1850.50

Aircraft S/N: 3449180

Date: 4/15/2016

Work Accomplished

Airframe -

-- Discrepancy -- Annual inspection due.

Completed an annual inspection this date in accordance with F.A.R. 43 appendix d.

-- Discrepancy -- AD 2004-25-16R1 Heater Fuel Regulator inspection due.

Complied with AD 2004-25-16R1 (Heater Fuel Regulator inspection). No leaks found at this time.

-- Discrepancy -- AD 2005-13-16 Nose Landing Gear inspection due. (50 and 100 hour inspections)

Complied with AD 2005-13-16 (Nose Landing Gear) inspection by performing 50 and 100 hour inspections per SB1123A. No defects noted at this time.

-- Discrepancy -- AD 2013-02-13 (Stabilator Control System inspection) due.

Complied with AD 2013-02-13 (Stabilator Control System inspection). No defects noted at this time.

-- Discrepancy -- AD 2004-21-05 (Combustion heater decay test) due.

Complied with AD 2004-21-05 (heater decay test). No defects noted at this time.

-- Discrepancy -- ELT Annual test due. Battery due replacement.

Tested ELT in accordance with FAR 91.207(d) using the ICARUS model # ELT406-03. Battery due date, October 2018, ELT approved for continued use.

-- Discrepancy -- Compass fluid low.

Changed all gaskets and filled compass with fluid.

-- Discrepancy -- All three landing gear retract actuators leaking.

Installed overhauled exchange actuators, left S/N 050915 and right S/N 5963. Installed new nose actuator S/N 5914. Retraction test performed and leak check good. Serviced system with MIL-H-5606 hydraulic fluid.

-- Discrepancy -- Oxygen system low.

Serviced oxygen system with Aviators Breathing Oxygen.

-- Discrepancy -- Heater combustion air switch defective.

Installed new combustion air switch P/N 94E42-3. Heater functionally tested good. This aircraft is approved for return to service with respect to the work performed.

Gabriel Ramirez AP3130276IA



Loyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



N 687AV

Hobbs: 1836.50

AFTT: 1836.50

Aircraft S/N: 3449180

Date: 10/26/2015

Work Accomplished

Airframe -

-- Discrepancy -- Install customer supplied LED landing lights.

Installed new LED landing, taxi and recognition lights P/N 01-0771833-20. Operational check good. This aircraft is approved for return to service with respect to the work performed.

Michael Pedersen AP2792777



Loyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



N 687AV

Hobbs: 1836.50

AFTT: 1836.50

Aircraft S/N: 3449180

Date: 12/18/2015

Work Accomplished

Airframe -

-- Discrepancy -- Aircraft battery weak.

Activated and charged a new G247 battery, S/N G02890840. Installed in aircraft. This aircraft is approved for return to service with respect to the work performed.

Aurelio Flores AP3544096



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502



N 687AV
Hobbs: 1687.10
Tach: NA
AFTT: 1687.10
AFTC: NA
Date: 4/1/2010

L. Eng. TT: 1687.10
R. Eng. TT: 1687.10
L. Prop. TT: 1687.10
R. Prop. TT: 1687.10
Aircraft S/N: 3449180

Work Accomplished

Airframe - Completed an Annual Inspection this date in accordance with Piper PA-34-220T Maintenance Manual Inspection Guide as per F.A.R. 43 appendix D. C/W AD Note 2005-13-16 (inspection of nose landing gear in accordance with Piper Service Bulletin SB1123B) all parts found to be serviceable at this time. C/W AD Note 2004-15-16 R1 by inspection of heater fuel regulator shut-off valve for condition and fuel leaks. No defects noted at this time. Resealed main and nose landing gear and serviced with 5606 fluid and nitrogen. Installed new gaskets on left and right outboard fuel transmitters. Installed overhauled exchange engine digital display unit. Installed overhauled exchange left fuel boost pump. Performed landing gear retract check through several fault-free cycles. Performed emergency gear extension. Operational checks of gear satisfactory. Performed functional test of ELT as per F.A.R. 91.207(d). ELT battery is due replacement 12/10. Aircraft ground run and taxi check satisfactory. I certify that this aircraft has been inspected in accordance with an Annual Inspection and is approved for return to service.

Mark W Wiebe
Mark W Wiebe AP5618680731A



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502



AFTC:

N 687AV
Hobbs: 1852.00
AFTT: 1852.00
Aircraft S/N: 3449180
Date: 8/29/2016

Work Accomplished

Airframe -

--Discrepancy--

Left fuel boost pump trips circuit breaker.


Removed left access panel, removed fuel boost pump S/N 7AV19 for overhaul. Reinstalled fuel boost pump S/N 7AV19 after overhaul operational and leak check ok, reinstalled panels.

This aircraft is approved for return to service with respect to the work performed.

Gabriel Ramirez AP3130276

Gabriel Ramirez

Registration No. _____

and Remarks	Signature	Certificate No.
<p>LOGBOOK: N687AV P/S CERT.</p> <p>DATE: 05/04/2016 A/C TIME H1786.1</p> <p>*****</p> <p>THE STATIC PRESSURE SYSTEM AND ALTIMETER S/N 30972 / 412436 WERE INSPECTED AND TESTED THIS DATE TO AN ALTITUDE OF 25,000 FT AND FOUND TO COMPLY WITH FAR 91.411.</p> <p>THE ATC TRANSPONDER S/N 83700720 WAS TESTED AND INSPECTED ON THIS DATE AND FOUND TO COMPLY WITH FAR 91.413. THE AUTOMATIC ALTITUDE REPORTING EQUIPMENT S/N 30972 WAS TESTED THIS DATE IN COMPLIANCE WITH FAR 91.411.</p> <p> WO# 24996</p> <p>RICHARD KURTZ MEGAHERTZ AVIONICS, INC. FAA CRS D13R450L 1949 AIRPORT DR. RADIO CLASS 1,2,3 BAKERSFIELD, CA 93308 LIMITED INSTRUMENT (661) 393-1818</p> <p>*****</p>		

AIRCRAFT LOG

Date



DATE: 3-29-17

N#687AV

TACH: 1869.0

AFTT: 1869.0

TTSN: 0

Maintenance

INSTALLED TWO NEW ENGINES INTO THIS AIRFRAME.

LEFT: TSIO360RB2B, S#1033600

RIGHT: LTSIO360RB5B, S#1033319

BOTH ENGINE ARE FACTORY NEW.

ENGINES INSTALLED AND ADJUSTED PER CONT. MAINTENANCE MANUAL.

ENGINES TEST FLOWN AND OPS CHECK NORMAL.

CHARLES LITTON AP3683725

Charles Litton

7/20/17 HOURS 1860.6 THIS AIRCRAFT HAS BEEN INSPECTED
AND HAS BEEN FOUND SAFE FOR THE INTENDED FLIGHT IN
ACCORDANCE WITH SPECIAL FLIGHT PERMIT DATED 7/18/17
Robert White ATP 061868073 ———— END ————

Total To
Carry Forward

and Remarks	Signature	Certificate No.
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Lloyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502



SO# 18651

N 687AV
Hobbs: 1861.80
AFTT: 1861.80
Aircraft S/N: 3449180
Date: 8/9/2017

Work Accomplished

Airframe -

Discrepancy:

Annual Inspection due.

Resolution:

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix D, and Piper Inspection guide, Dated: 30 MAY 2007.

Discrepancy:

Nose tire worn.

Resolution:

Jacked aircraft, removed nose tire assembly. Disassembled nose wheel and tire assembly.

Replaced nose tire and tube, with new items. Statically rebalanced nose tire assembly, cleaned and greased bearings, reinstalled nose tire assembly on to aircraft, torqued axles IAW Piper MM, Dated: 30 MAY 2007. Dejaired aircraft.

Discrepancy:

Upon changing nose wheel and tire assembly, nose wheel race and bearings were corroded.

Resolution:

Installed new races and bearings, repacked with grease and installed.

Discrepancy:

Air conditioner not cooling.

Resolution:

Evacuated and serviced air conditioner system with 2.25 lbs. of R-134A Freon. Operational check satisfactory.

Cont-ON

Next Page.

AIRCRAFT LOG

Discrepancy:

ELT Annual test due.

Resolution:

Tested ELT in accordance with FAR 91.207(d) using the ICARUS model # ELT406-03. Battery due date, OCT/2018, ELT approved for continued use.

CONT- From Previous Page. SO# 18651

Discrepancy:

Vertical stabilizer deice boot scuffed.

Resolution:

Painted with BF Goodrich deice boot sealant paint.

Discrepancy:

Oxygen requires service.

Resolution:

Serviced oxygen system with Aviators Breathing Oxygen.

Discrepancy:

Pitot heat annunciator light bulb inoperable.

Resolution:

Replaced bulbs with two new GE327, lights operational.

Discrepancy:

Cabin heater inoperative. Combustion blower not operating.

Resolution:

Repaired ground wire connection for combustion blower motor. Operational test satisfactory.

Discrepancy:

AD 2004-25-16R1 Heater Fuel Regulator inspection due.

Resolution:

Complied with AD by visual inspection. No defects noted at this time. Due again 7/2018.

Discrepancy:

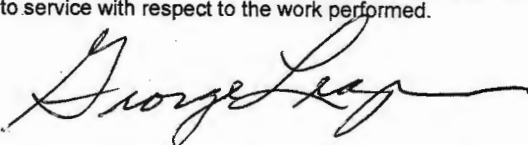
Right horizontal stabilizer tip damaged.

Resolution:

Repaired and reinstalled repaired and painted right stabilizer tip, IAW Piper Structural Repair Manual, Chapter 51-10-00, Dated: 29 NOV 1993.

Cont-ON
Next Page

Registration No. _____

and Remarks	Signature	Certificate No.
CONTINUED FROM PREVIOUS PAGE. LOYD'S AIRCRAFT MAINT. SO# 18651		
I certify that this aircraft has been inspected and complied with an Annual Inspection per F.A.R. 43 appendix D. This aircraft is approved for return to service with respect to the work performed.		
George Leazer AP3557664IA		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502



SO# 18997

N 687AV
Hobbs: 1885.70
AFTT: 1885.70
Aircraft S/N: 344918
Date: 2/22/20

Work Accomplished

Airframe-

Discrepancy:

Check for hydraulic leak right wing inboard area.

Resolution:

Found right main gear actuator hydraulic hose fittings loose at actuator. Tightened hose fittings and no leaks noted.

Discrepancy:

Right Pilot's brake master cylinder leaking.

Resolution:

Removed brake master cylinder and replaced with new unit, PN: 10-30. Bled brake system and performed operational taxi test, no defects found.

This aircraft is approved for return to service with respect to the work performed.



Jorge Cruz, AP3967528

Total To Carry Forward				
------------------------	--	--	--	--

Registration No. _____



Lloyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502



SO# 19387

N 687AV
Hobbs: 1888.40
AFTT: 1888.40
Aircraft S/N: 3449180
Date: 9/21/2018

Work Accomplished

Airframe-

Discrepancy:

Annual inspection due.

Resolution:

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix D, and Piper Aircraft MM and Inspection guide, 761-888, PR140101, REV. Dated 24 JUL 2014.

Discrepancy:

Left and right alternator belts loose.

Resolution:

Tighten both belts and safety.

Discrepancy:

ELT Annual test due. Battery due replacement.

Resolution:

Tested ELT in accordance with FAR 91.207(d) using the ICARUS model # ELT406-03. Battery due date, 3-30-2021, ELT approved for continued use.

Discrepancy:

AD 2004-21-05 Heater pressure test due.

Resolution:

Complied with AD 2004-21-05 heater pressure test. Heater passed test at this time.

Discrepancy:

AD 2004-25-16 Heater fuel regulator inspection due.

Resolution:

Complied with AD 2004-25-16 heater regulator inspection. No leaks found at this time.

CONT. ON NEXT PAGE

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought			

Discrepancy:

AD 2005-13-16 Nose gear inspection due.

Resolution:

Complied with AD 2005-13-16 and Piper service bulletin 1123C 50hr and 100hr inspection of nose gear and performed five (5) complete retraction / extension tests, no defects noted at this time.

Discrepancy:

Battery capacity test due.

Resolution:

Battery failed capacity test at 50%. Installed new Gill G247 battery S/N G03013395.

Discrepancy:

Two (2) inoperative static wicks at left wing.

Resolution:

Installed two (2) new static wicks.

Discrepancy:

Nose wheel turn limit placard worn.

Resolution:

Installed new turn limit placard.

Discrepancy:

Fuel placards adjacent to filler caps unreadable.

Resolution:

Installed new fuel placards.

I certify that a annual inspection was performed on the above aircraft in accordance with F.A.R. 43 appendix D, and Piper Aircraft MM 761-888, PR140101, REV Dated 24 JUL 2014.

This aircraft is approved for return to service with respect to the work performed.

Mark W Wiebe AP561868073IA

Registration No. _____

and Remarks	Signature	Certificate No.
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Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

N 687AV
Hobbs: 1888.40
AFTT: 1888.40
Aircraft S/N: 3449180
Date: 11/2/2018

SO# 19483

Work Accomplished

Airframe-

Discrepancy:
Hydraulic leak left wing root area.

Resolution:
Hydraulic leak found to be from landing gear actuator retraction / extension hoses. Placed aircraft on jacks. Installed factory new hydraulic hoses on the left and right main gear. Also installed new hoses on the nose gear actuator. Performed 5 fault free gear cycles. No leaks noted. Reserviced hydraulic reservoir as required. Removed aircraft from jacks.

This aircraft is approved for return to service with respect to the work performed.

Mark W Wiebe
Mark W Wiebe AP561868073

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

N 687AV
Hobbs: 1888.40
AFTT: 1888.40
Aircraft S/N: 3449180
Date: 12/11/2018

SO# 19553

Work Accomplished

Airframe:
Discrepancy:
Left fuel boost pump inoperative.

Resolution:
Installed overhauled exchange boost pump P/N 2B6-88. Installed S/N 64755 and functionally tested and leak checked good.

This aircraft is approved for return to service with respect to the work performed.

Mark W Wiebe
Mark W Wiebe AP561868073IA

Total To Carry Forward				
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