

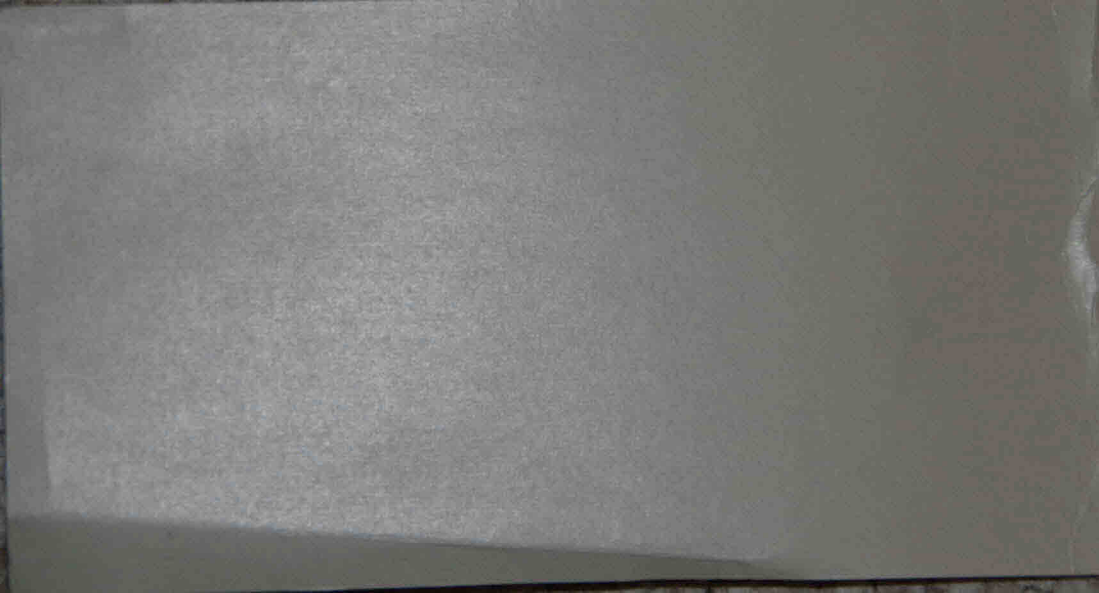
**TRIAD**  
**AVIATION**

**Triad Aviation, Inc.**

3439 South Aviation Drive  
Burlington, NC 27215  
910/227-1467

**FAA-PP4R448M**

**Log Book**



## Engine Record General Information

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_

Serial \_\_\_\_\_ Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft \_\_\_\_\_

Minimum Octane Fuel \_\_\_\_\_ Oil Grade: Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer recommended overhaul at \_\_\_\_\_ hours

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 # 10249.

MAKE Lycoming

MODEL TIO-540-C1A

S/N L-4497-61A

DATE 1/12/99

TSMOH 000.00

TOTAL TIME 3492.3

**TRIAD**  
AVIATION

**Triad Aviation, Inc.**  
FAA Repair Station #PP4R448M  
Burlington Municipal Airport  
3439 South Aviation Drive  
Burlington, NC 27215  
910/227-1467

Hm 1709.3

Thomas M. Parker

Authorized Signature

pair

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>Test ran Lycoming TIO-540-C1A engine, S/N L-4497-61A, 2 hours, 15 minutes, RPM 2575, oil pressure 85 lbs., oil temperature 200°, CHT 380°, mag check at 2100 RPM, R 50 RPM, L 50 RPM. Compression test cylinder #1 78/80 #2 76/80 #3 78/80 #4 78/80 #5 77/80 #6 77/80. See W.O.# 10249 for all pertinent details.</p> <p>This engine and/or component is approved for return to service. All pertinent details on file his repair station.</p> <p>TRIAD AVIATION, INC. FAA REPAIR STATION # PP4B140M</p> <p>Signed: <i>Thomas A. Reshke</i> Date <u>1-12-99</u></p>

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
MAR 18 1999		H.M.	1709.3	TSMOH 2.3 TT 2655.7. THIS ENGINE HAS BEEN INSTALLED IN THE Number 1 (LEFT) Position of Piper Aztec N159B SERIAL NUMBER 27-7754047. THIS ENGINE WAS INSTALLED WITH NEW LORD MOUNTS PN J9613-12 AND NEW BOLTS. ALL FLUID HOSES REPLACED. ALL ACCESSORIES OVERHAULED. FOR DETAILS SEE TRIAD AVIATION, INC. WO # 10249. REPLACED ENG Baffle Material. INSTALLED AND RIGGED CONTROL CABLES. SERVICED ENGINE WITH ACROShell 100 MINERAL OIL. WASHED ENGINE. ENGINE INSTALLED IN PIPER SERVICE MANUAL PART NUMBER 753564. INSTALLED NEW BRACKET Air Filter ELEMENT. REPLACED DRAIN LINE HOSES. RUN GUDONS.

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				check for leaks. Aft TEST FLANN By OWNER. AD 91-08-07
				clw by REPLACEMENT of fitting with PN 02A21380. AD
				91-14-22 clw by REPLACEMENT of GEAR INW SB 475B
				AD 93-02-05 clw by REPLACEMENT of tubes & clamps.
				AD 98-18-12 clw by Fuel pump overhaul. SCREW torque
				check due @ 1759.3 H.A. For complete AD LIST SEE
				A.D. COMPLIANCE RECORD. ANTHONY D. CASEY
				A&P251967817
				Anthony D. Casey
				SEE NEXT PAGE for INSPECTION INFO.

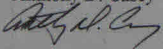
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>MAR 18 1999</p> <p>DATE MAR 18 1999</p> <p>TOTAL TIME 2655.7 TACH. 1709.3 H/M TSMail 2.3</p> <p>I CERTIFY THAT THIS <u>ENGINE</u></p> <p>HAS BEEN INSPECTED IN ACCORDANCE WITH</p> <p>A <u>ANNUAL</u> INSPECTION WAS</p> <p>DETERMINED TO BE IN AIRWORTHY CONDITION</p> <p>ANTHONY D. CASEY A&amp;P 251967817 <u>IA</u></p> <p><i>Anthony D. Casey</i></p> <p>CITY OF SPARTANBURG</p> <p>SPARTANBURG DOWNTOWN AIRPORT</p> <p>500 AMMONS ROAD</p> <p>SPARTANBURG, SC 29306</p> <p>(864) 574-8560</p>

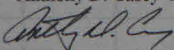


DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
MAY 17 1989	11.14	1745.7		<p>BSMOH 38.7. DRAINED OIL &amp; SERVICED WITH ACROSTELL 50/100 MINERAL OIL. PERFORM OIL ANALYSIS sample. REMOVE &amp; REPLACE OIL 2.1ka w/ NEW CH48110 OIL FILTER. INSPECT OIL SUMP SCREEN. NO CONTAMINANTS. REINSTALLED WITH NEW GASKET. WASH OIL. RUN &amp; CHECK FOR LEAKS. ANTHONY D. CASEY AEP 281967817 IA Anthony D. Casey</p>
				<p>CITY OF SPARTANBURG SPARTANBURG DOWNTOWN AIRPORT 500 AMMONS ROAD SPARTANBURG, SC 29306 (864) 574-8360</p>

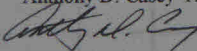
DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
JUL 09 1999		HA 1764.0	75.0	Removed O:1 Cooler HARRISON PN 8537602. INSTALL OH Cooler PN 8537602 SN 798793. Replaced O:1 filter w/new CH48110 O:1 filter. Replaced O:1 TEMP SENDING Unit Gaskets. Cleaned & INSPECTED & REINSTALLED plugs w/new gaskets. Set Day timing to 20°. WASH EGR. Rev & Chk for leaks. ANTHONY D. CASEY
				CITY OF SPARTANBURG SPARTANBURG DOWNTOWN AIRPORT 550 ANDERSON ROAD SPARTANBURG, SC 29206 (864) 574-8500
				ADP 25/967817 IA Anthony D. Casey

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
SEP 14 1999				<p>HM 18149. INSTALLED fuel pump PN RG179805 SN B-9571-3402 after  repm by Approved Aircraft Accessories. Piper SB 1035 CW no further  inspections required. ANTHONY D. CASEY</p> <p>ARP 251967817 IB</p> <p><i>Anthony D. Casey</i></p> <p>CITY OF SPARTANBURG  SPARTANBURG DOWNTOWN AIRPORT  500 AMERSON ROAD  SPARTANBURG, SC 29306  (843) 574-0500</p>
NOV 10 1999				<p>HM 1847.6 DRAINED OIL &amp; SERVICED WITH Aeroshell 15W50. REMOVED  AND INSPECTED OIL FILTER. NO CONTAMINANTS NOTED. INSTALLED NEW  CH48110 OIL FILTER. PERFORMED OIL SAMPLE. WASHED ENG. RUN &amp; CHECK  FOR LEAKS. ANTHONY D. CASEY ARP 251967817 IB <i>Anthony D. Casey</i></p>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<b>Piper PA 23-250 PA23-250</b> <b>Lycoming TIO 540 C1A</b>  Reg. No. <b>159B</b> Ser. No. <b>27-7754047</b> serial number <b>L-4497-61A</b>  Date: February 15, 2000 Tach: 1898.5 TTAF: 3681.5 TSMOH: 189.2  Drained oil and serviced with Aeroshell 15W50 oil. Removed and inspected oil filter for contaminants. None found. Performed oil analysis. Installed new CH48110 oil filter. Washed engine. Run and check for leaks.  Anthony D. Casey A&P 251967817 IA for: City of Spartanburg  Spartanburg Downtown Memorial Airport 500 Annons Road Spartanburg, SC 29306 864 574 8560


DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<b>Piper PA 23-250 PA23-250</b> <b>Lycoming TIO 540 C1A</b>  Reg. No. <b>159B</b> Ser. No. <b>27-7754047</b> serial number <b>L-4497-61A</b>  Date: April 6, 2000 Tach: 1914.6 TTAF: 3697.6 TSMOH: 205.3  This engine has been inspected IAW a 100 hour/Annual inspection. Removed and inspected plugs. Cleaned and reinstalled with new gaskets. Performed compression check: #1 78/80 #2 77/80 #3 78/80 #4 77/80 #5 78/80 #6 78/80. Inspected and tested ignition harness. Checked mag timing. Inspected magneto breakers. Inspected exhaust system. Replaced induction air filter element part number BA3505. Removed, cleaned, inspected and reinstalled fuel injector nozzles with new "O" rings. Inspected fuel injection lines IAW AD 93-02-05. Washed engine. Run and check for leaks.
				Anthony D. Casey A&P 251967817 IA for: City of Spartanburg  Spartanburg Downtown Memorial Airport 500 Ammons Road Spartanburg, SC 29306 864 574 8560



DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>Piper PA 23-250 PA23-250 Reg. No. 159B Ser. No. 27-7754047  Lycoming TIO 540 C1A serial number L-4497-61A (left)</p> <p>May 31, 2000 (ATW)  Date: April 6, 2000 Tach: 1938.3 TTAF: 3721.3 TSMOH: 229.0</p> <p>Drained oil and serviced with Aeroshell 15W50. Removed and inspected oil filter for  contaminants. None found. Installed new CH48110 oil filter. Performed oil analysis. Washed  engine. Run and check for leaks.</p> <p>Anthony D. Casey A&amp;P 251967817 IA for: City of Spartanburg   Spartanburg Downtown Memorial Airport  500 Ammons Road  Spartanburg, SC 29306  864 574 8560</p>





<b>DATE</b>	<b>RECORDING TACH TIME</b>	<b>TODAY'S FLIGHT</b>	<b>TOTAL TIME IN SERVICE</b>	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
19 ____				
				Piper PA 23-250    PA23-250    Reg. No. 159B    Ser. No. 27-7754047 Lycoming TIO 540 C1A    serial number L-4497-61A(left) <del>L-4499-61A(right)</del>
				Date: February 20, 2001    Tach: 2032    TTAF: 3815    TSMOH: 322.7
				Drained oil and serviced with Aeroshell 15W50. Removed and inspected oil filter for contaminants. None found. Installed new CH48110 oil filter. Performed oil analysis. Washed engine. Run and check for leaks.
				Anthony D. Casey A&P 251967817 IA    for: City of Spartanburg  Spartanburg Downtown Memorial Airport 500 Annons Road Spartanburg, SC 29306 864 574 8560

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Piper PA 23-250 PA23-250  
Lycoming TIO 540 C1A

Reg. No. 159B Ser. No. 27-7754047  
serial number L-4497-61A(left) L-4499-61A (right)

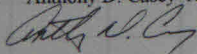
Date: May 01, 2001 Tach: 2047.4 TTAF: 3830.4 TSMOH: 338.1

This engine has been inspected IAW a 100 hour/annual inspection. Removed, cleaned inspected and reinstalled plugs. Performed compression check: #1 78/80 #2 78/80 #3 75/80 #4 78/80 #5 76/80 #6 78/80. Inspected mag breakers. Checked mag timing. Removed cleaned and reinstalled fuel injector nozzles with new "O" rings. Inspected fuel injection lines IAW AD 93-02-05. Next inspection due @ 2147.4. Inspected and tested Ignition harness. Inspected exhaust system. Replaced Induction air filter element part number BA3505. Washed engine. Run and check for leaks.

Anthony D. Casey A&P 251967817 IA

for: City of Spartanburg

Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560



DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
				<p>DATE <u>MAY 01 2001</u></p> <p>TOTAL TIME <u>338.15 moH</u> TACH. <u>2047.4</u></p> <p>I CERTIFY THAT THIS <u>aircraft</u></p> <p>HAS BEEN INSPECTED IN ACCORDANCE WITH</p> <p>A <u>Annual</u> INSPECTION AND WAS</p> <p>DETERMINED TO BE IN AIRWORTHY CONDITION</p> <p>/S/ JIMMY D. CASEY A&amp;P 261957 <u>JDC</u></p> <p><i>[Signature]</i></p>

DA	Piper PA23-250	Registration Number: 159B	Serial Number: 23-7754047
15%	Textron Lycoming	Model: TIO 540-C1A	Serial Number: L-4497-61A (L)
			Serial Number: L-4499-61A ®
	Hartzell	Model: HC-E2YR-2RBSF	Serial Number: BP 8265 (L)
			Serial Number: BP8278 ®

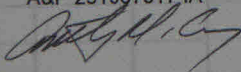
ian or Repair

Date: July 1, 2002 HM 2123.9 TTAF: 3906.9 TSMOH: 414.6 TSPOH:1190.5

This aircraft has been inspected IAW a 100 hour/Annual inspection. Drained oil and serviced with Aeroshell 15W50. Removed and inspected oil filter for contaminants. None found. Installed new CH48110 oil filter. Performed oil analysis. Removed, cleaned, inspected and reinstalled plugs. Performed compression check: #1 77/80 #2 78/80 #3 76/80 #4 77/80 #5 77/80 #6 78/80. Inspected magnetos and checked mag timing. Inspected and tested ignition harness. Cleaned and inspected fuel injectors. Inspected fuel injection lines IAW AD 93-02-05. Next injection line inspection due @ 2223.9. Inspected muffler and exhaust system. Installed new induction air filter element. Inspected exhaust system. Washed engine. Run and checked for leaks.

Anthony D. Casey  
A&P 251967817 IA

for: City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560



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Piper PA23-250  
Textron Lycoming

Registration Number: 159B  
Model: TIO 540-C1A

Hartzell

Model: HC-E2YR-2RBSF

Serial Number: 23-7754047

Serial Number: L-4497-61A (L)

Serial Number: L-4499-61A ®

Serial Number: BP 8265 (L)

Serial Number: BP8278 ®

Initian or Repair

Date: October 21, 2002 HM 2160.0 TTAF: 3943.0 TSMOH: 450.7 TSPOH:1226.6

1. Drained oil and serviced with Aeroshell 15W50.
2. Removed and inspected oil filter for contaminants.
3. Performed oil analysis.
4. Installed new CH48110 oil filter.
5. Washed engine.
6. Run and checked for leaks.

Anthony D. Casey  
A&P 251967817 IA



for: City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560

DATE

19

Piper PA23-250  
Textron Lycoming

Registration Number: 159B  
Model: TIO 540-C1A

Serial Number: 23-7754047  
Serial Number: L-4497-61A (L)  
Serial Number: L-4499-61A ®  
Serial Number: BP 8265 (L)  
Serial Number: BP8278 ®

1 or Repair

Date: September 2, 2003 HM 2214.1 TTAF:3997.1 TSMOH:504.8 TSPOH:1280.7  
HHM:53.4

1. Performed annual inspection.
2. Drained oil and serviced with Aeroshell 15W50.
3. Inspected oil sump screen.
4. Removed and inspected oil filter for contaminants.
5. Installed new CH48110 oil filter.
6. Performed compression check: #1 76/80 #2 76/80 #3 78/80 #4 76/80 #5 78/80 #6 78/80.
7. Inspected and serviced spark plugs and reinstalled with new gaskets.
8. Inspected and serviced fuel injectors.
9. Inspected fuel injection lines IAW AD 93-02-05. Next inspection due @ 2314.1.
10. Inspected and tested ignition harness.
11. Inspected magnetos and checked mag timing.
12. Replaced induction air filter element.

13. Washed engine.
14. Run and checked for leaks.
15. The Aircraft and/or component identified above has been inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details are on file at this agency under work order # 200200359 dated July 28, 2003.

Anthony D. Casey  
A&P 251967817 JA

for: City of Spartanburg

### Spartanburg Downtown Memorial Airport

500 Ammons Road

Spartanburg, SC 29306

DATE \_\_\_\_\_

TOTAL TIME 504.3

TACH. 2214.1

I CERTIFY THAT THIS ENCL

HAS BEEN INSPECTED IN ACCORDANCE WITH

A General INSPECTION AND WAS  
DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNATURE

CERTIFICATION NO. ✓ APR 25 1967 N 17 DA



DATE

19

Piper PA23-250

Registration Number: 159B Serial Number: 23-7754047

Textron Lycoming

Model: TIO 540-C1A

Serial Number: L-4497-61A (L)

Serial Number: L-4499-61A ®

Hartzell

Model: HC-E2YR-2RBSF

Serial Number: BP 8265 (L)

Serial Number: BP 8278 ®

r Repair

Date: December 5, 2004 HM 2265.2 TTAF:4048.2 TSMOH:555.9 TSPOH:1331.8  
HHM:57.2

1. Performed annual inspection.
2. Drained oil.
3. Performed oil analysis.
4. Removed and inspected oil sump screen and reinstalled with new gasket.
5. Removed and inspected oil filter for contaminants.
6. Removed accessory case.
7. Replaced crankshaft gear retaining bolt IAW AD 2004-05-24.
8. Installed Lycoming bolt kit part number 05K19987.
9. Reinstalled accessory case and accessories with new gaskets.
10. Serviced engine with Aeroshell 15W50.
11. Installed new CH48110-1 oil filter.
12. Performed compression check: #1 74/80 #2 69/80 #3 75/80 #4 75/80 #5 68/80  
#6 74/80.

DAT

an or Repair

19. 13. Serviced and inspected spark plugs  
14. Installed 12 new REB 37E spark plugs.  
15. Inspected and tested ignition harness.  
16. Removed magnetos.  
17. Inspected magnetos IAW TCM/Bendix 500 hour inspection.  
18. Reinstalled magnetos and set mag timing.  
19. Inspected Romec fuel pump IAW AD 2003-14-03. Next inspection due @ 2315.2.  
20. Serviced and inspected fuel injectors.  
21. Inspected fuel injection lines IAW AD 2002-26-02. Next inspection due @ 2365.2.  
22. Replaced exhaust stud and nut on #6 cylinder.  
23. Replaced intake hoses part number 69603 and gaskets part number 71793.  
24. Washed engine.  
25. Run and checked for leaks.  
26. Set idle speed and mixture.  
27. The Aircraft and/or component identified above have been inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service. Pertinent details are on file at this agency under work order # 200200723 dated August 31, 2004.

Patrick M. Cobb  
A&P 237982541 IA

for: City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road

[illegible]

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN FLIGHT	Description of Inspections, Tests, Repairs and Alterations
10				Entries must be endorsed with Name, Rating and Certificate Number of Technician

### LEFT ENGINE LOG

Piper PA23-250	"N" Number: N159B	Serial Number: 27-7754047
LH Engine: Lycoming	Model: TIO-540-C1A	Serial Number: L-4497-61A
Date: February 1, 2006	Hobbs: 2307.4	ACTT: 4090.4
LH TSOH: 598.1	RH TSOH: 598.1	LH TT: 4090.4
LH Prop TSN: 4090.4	RH Prop TSN: 4090.4	RH TT: 4090.4
		O/H DATE: 5/95
		L & R TSOH: 1374.0

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturers maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide
2. Compressions: LH 1: 70/80, 2: 69/80, 3: 68/80, 4: 70/80, 5: 74/80, 6: 74/80
3. Installed new bracket Air Filters PN BA-3505.
4. Cleaned all injector nozzles.
5. Installed new gasket on nose oil port and sealed crankcase thru bolts on LH engine.
6. Installed new vacuum filters B3-5-1 and D9-18-1.
7. Removed left prop and shipped to H & H Propeller for evaluation for noise in dome, reinstalled after repair.
8. Dressed, painted and lubed props as required.
9. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2407.4.
10. Researched AD thru Revision 2006-01.

A&P 237982541.1A

City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560

or Repair

APR 23 1982 541 1A

DATE

19

## LEFT ENGINE LOG

Piper PA23-250

"N" Number: N159B

Serial Number: 27-7754047

LH Engine: Lycoming

Model: TIO-540-C1A

Serial Number: L-4497-61A

Date: April 16, 2007

Hobbs: 2326.3

ACTT: 4109.4

LH TSOH: 598.1

RH TSOH: 617.0

LH TT: 4109.4

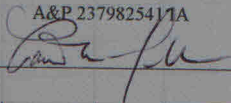
RH TT: 4109.4

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturers maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide
2. Compressions: LH 1: 70/80, 2: 69/80, 3: 68/80, 4: 70/80, 5: 74/80, 6: 74/80
3. Installed new bracket Air Filters PN BA-3505.
4. C/W oil and filter change. Cut and inspected filter, no contamination noted. Serviced engines with 11 quarts Aeroshell 15W50 oil.
5. Dressed, painted and lubed props as required.
6. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2426.3.
7. Researched AD thru Revision 2007-06.

Patrick M. Cobb

A&amp;P 237982541A



City of Spartanburg

Spartanburg Downtown Memorial Airport

500 Ammons Road

Spartanburg, SC 29306

864 574 8560

DATE

RECORDING

## LEFT ENGINE LOG

Piper PA23-250

"N" Number: N159B

Serial Number: 27-7754047

LH Engine: Lycoming

Model: TIO-540-C1A

Serial Number: L-4497-61A

Date: 11/03/2008

Hobbs: 2332.0

ACTT: 4115.1

LH TSOH: 603.8

RH TSOH: 522.7.0

LH TT: 4115.1

RH TT: 4115.1

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturer's maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide.
2. Removed engine for repair by Triad Aviation due to cracked crankcase. Installed after repair by Triad under work order # 17336.
3. Installed new hoses, shock mounts and hardware as required.
4. Compressions (prior to repair): LH 1: 70/80, 2: 69/80, 3: 68/80, 4: 70/80, 5: 74/80, 6: 74/80
5. Installed new bracket Air Filters PN BA-3505.
6. C/W oil and filter change. Cut and inspected filter, no contamination noted. Serviced engines with 11 quarts Aeroshell 15W50 oil.
7. Dressed, painted and lubed props as required.
8. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2426.3.
9. Researched AD thru Revision 2008-21.

Patrick M. Cobb

A&amp;P 237982541 IA

City of Spartanburg

Spartanburg Downtown Memorial Airport

500 Ammons Road

Spartanburg, SC 29306

864 574 8560

[illegible]

### MISCELLANEOUS PARTS

[illegible]

**Triad Aviation, Inc.**  
**FAA Repair Station #PP4R448M**  
 3439 South Aviation Drive  
 Burlington, NC 27215  
 Telephone (336) 227-1467

NAME CITY OF SPARTANBURG  
ADDRESS 500 AMMONS ROAD  
SPARTANBURG, SC 29306

864-574-8560

FAX	864-595-270
-----	-------------

CELL

NAME \_\_\_\_\_

**LYCOMING**

DATE 6/14/2008

TIO-540-CIA

WRITTEN BY **O.R.**

REGISTRATION NO.

P.O. NO.

SERIAL NO.

L-4497-61A

### TACHOMETER

## INSTRUCTIONS/WORK DESCRIPTION

Disassemble (1) Lycoming TIO-540-C1A engine S/N L-4497-61A for Cracked Case Inspection/Disassemble (1) Lycoming TIO-540-C1A engine S/N L-4497-61A for Cracked Case Inspection. Cleaned, inspected, magnafluxed and repaired as needed. Replaced parts as listed. Crankcase- P/N 13828 S/N 4579 overhauled by DI wof 32685. Camshaft- P/N 76148 repaired by AS wof 167972. CW AD 2002-26-01 to prevent failure of the fuel injector fuel lines allowing fuel to spray into the engine compartment CW PER SB 342E. CW AD 2004-10-14 C to prevent loosening or failure of the crankshaft gear retaining bolt CW PER SB 475C. Reassembled engine IAW Lycoming overhaul manual and FAA regulations. Test run engine 2 hours 15 minutes, RPM 2575, oil pressure 84 lbs., oil temperature 196 degrees, CHT 375 degrees, mag check @ 2100 RPM, L 150 RPM, R 150 RPM. Compression test cylinder #1 78/80, #2 79/80, #3 79/80 #4 78/80 #5 79/80 #6 79/80.

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 A994R448M.  
Signed: *[Signature]* Date: *7/10/08*

## BASIC ENGINE

## TOTAL PARTS

## MISCELLANEOUS PARTS

DELIVER OUR TRUCK

TABLE

## TOTAL

97-61A for Cracked Case  
led. Replaced parts as listed  
585. **Camshaft-** P/N 76148  
g overhaul manual and FAA  
*ector fuel lines allowing fuel*  
*1D 2004-10-14 C to prevent*  
*R SB 475C.*  
34 lbs., oil temperature 196  
1, R 150 RPM. Compression  
#6 79/80. This engine is  
repair station WO# 17336.



Disassemble (1) Lycoming TIO-540-C1A engine S/N L-4497-61A for Cracked Case inspection. Cleaned, inspected, magnafluxed and repaired as needed. Replaced parts as listed. **Crankcase-** P/N 13828 S/N 4579 overhauled by DI wo# 83685. **Camshaft-** P/N 76148 repaired by AS wo# 167972. Reassembled engine IAW Lycoming overhaul manual and FAA regulations. *CW AD 2002-26-01 to prevent failure of the fuel injector fuel lines allowing fuel to spray into the engine compartment CW PER SB 342E. CW AD 2004-10-14 C to prevent loosening or failure of the crankshaft gear retaining bolt CW PER SB 475C.*

Test ran engine 2 hours 15 minutes, RPM 2575, oil pressure 84 lbs., oil temperature 196 degrees, CHT 375 degrees, mag check @ 2100 RPM, L 150 RPM, R 150 RPM. Compression test cylinder #1 78/80, #2 79/80, #3 79/80 #4 78/80 #5 79/80 #6 79/80. This engine is approved for return to service. All pertinent details on file this repair station WO# 17336. TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M.

Signed:

Signed: Alfred M. Presbrey Date: 7/10/08

Date: 7/10/08

Piper PA23-250  
LH Engine: Lycoming  
Date: 4/1/2010  
LH TSOH: 607.1

"N" Number: N159B  
Model: TIO-540-C1A  
Hobbs: 2335.3  
LH TT: 4118.4

# LEFT ENGINE LOG

Serial Number: 27-7754047  
Serial Number: L-4497-61A

ACTT: 4118.4  
RH TT: 4118.4

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturer's maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide
2. Compressions: LH 1: 62/80, 2: 74/80, 3: 76/80, 4: 76/80, 5: 75/80, 6: 74/80
3. Installed new bracket Air Filters PN BA-3505.
4. C/W oil and filter change. Cut and inspected filter, no contamination noted. Serviced engines with 12 quarts Aeroshell 15W50 oil.
5. Cleaned, inspected and repacked all wheel bearings.
6. Cleaned and gapped sparkplugs.
7. Installed new vacuum filters B3-5-1 and D9-18-1.
8. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2435.3
9. C/W AD 2008-14-07 per SB342-E no defects noted, next due at 2435.3
10. C/W AD 2003-14-03 per AD instruction on rotary fuel pumps, no defects noted.
11. Researched AD thru Revision 2010-06.

Patrick M. Cobb  
A&P 237982541 LA

City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560

# LEFT ENGINE LOG

Piper PA23-250  
LH Engine: Lycoming

"N" Number: N159B  
Model: TIO-540-C1A

Serial Number: 27-7754047  
Serial Number: L-4497-61A

Date: 4/1/2010  
L & R TSO: 626.0

Hobbs: 2335.3  
L & R TT: 4118.3

ACTT: 4118.3  
L & R Prop TT: 4118.3

L & R TSO: 1401.9

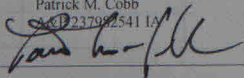
Prop O/H DATE: 5/95

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturer's maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide
2. Compressions: LH 1: 62/80, 2: 74/80, 3: 76/80, 4: 76/80, 5: 75/80, 6: 74/80
3. Installed new bracket Air Filters PN BA-3505.
4. C/W oil and filter change. Cut and inspected filter, no contamination noted. Serviced engines with 12 quarts Aeroshell 15W50 oil.
5. Cleaned, inspected and repacked all wheel bearings.
6. Cleaned and gapped sparkplugs.
7. Installed new vacuum filters B3-5-1 and D9-18-1.
8. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2435.3
9. C/W AD 2008-14-07 per SB342-E no defects noted, next due at 2435.3
10. C/W AD 2003-14-03 per AD instruction on rotary fuel pumps, no defects noted.
11. Researched AD thru Revision 2010-06.

Patrick M. Cobb

ASEP 237982541 IA



City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560

**LEFT ENGINE LOG**

Piper PA23-250  
LH Engine: Lycoming

"N" Number: N159B  
Model: TIO-540-C1A

Serial Number: 27-7754047  
Serial Number: L-4497-61A

Date: 5/15/2011  
L & R TSO: 629.6

Hobbs: 2338.9  
L & R TT: 4121.9

ACTT: 4121.9  
L & R Prop TT: 4121.9

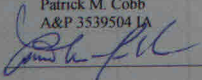
L & R TSO: 1405.5

Prop O/H DATE: 5/95

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturer's maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide
2. Compressions: LH 1: 79/80, 2: 75/80, 3: 79/80, 4: 78/80, 5: 77/80, 6: 76/80
3. Installed new bracket Air Filters PN BA-3505.
4. C/W oil and filter change. Cut and inspected filter, no contamination noted. Serviced engines with 12 quarts Aeroshell 15W50 oil.
5. Cleaned and gapped sparkplugs.
6. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2439.5
7. C/W AD 2008-14-07 per SB342-E no defects noted, next due at 2439.5
8. C/W AD 2003-14-03 per AD instruction on rotary fuel pumps, no defects noted.
9. Researched AD thru Revision 2011-08.

Patrick M. Cobb  
A&P 3539504 IA



City of Spartanburg  
Spartanburg Downtown Memorial Airport  
500 Ammons Road  
Spartanburg, SC 29306  
864 574 8560

# LEFT ENGINE LOG

Piper PA23-250

LH Engine: Lycoming

Date: 6/21/2012

L & R TSO: 647.8

"N" Number: N159B

Model: T10-540-C1A

Hobbs: 2357.1 ACTT: 4140.1

L & R TT: 4140.1

Serial Number: 27-7754047

Serial Number: L-4497-61A

L & R Prop TT: 4140.1

L & R TSO: 1423.7

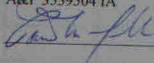
Prop O/H DATE: 5/95

I certify this aircraft has been inspected In Accordance With an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturer's maintenance manual.

1. Performed Annual inspection per Piper Inspection Guide
2. Compressions: LH 1: 79/80, 2: 79/80, 3: 79/80, 4: 78/80, 5: 79/80, 6: 75/80
3. Installed new bracket Air Filters PN BA-3505.
4. C/W oil and filter change. Cut and inspected filter, no contamination noted. Serviced engines with 12 quarts Aeroshell 15W50 oil.
5. Cleaned and gapped sparkplugs.
6. Dressed, painted and lubed props as required.
7. C/A AD 2002-26-01 by inspection of fuel injector lines, no defects noted, next due at 2457.1
8. Researched AD thru Revision 2012-11.

Patrick M. Cobb

A&P 3539504 IA



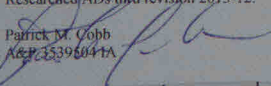
City of Spartanburg

Spartanburg Downtown Memorial Airport

500 Ammons Road

Spartanburg, SC 29306

864 574 8560

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<b>LH ENGINE LOG</b>				
Piper		PA23-250	N159B	SN: 27-7754047
LH Engine:		Lycoming	TIO-540-C1A	SN: L-4497-61A
LH Prop:		Hartzell	HC-E2YR-2RBSF	SN: BP8265
Date: 7/16/2013		Hobbs: 2368.7	ACTT: 4151.7	
L&R TSO: 659.4		L&R TT: 4151.7	L&R Prop TT: 4151.7	L&R TSO: 1435.3 Prop OH Date: 5/95
I certify this aircraft has been inspected in accordance with an Annual inspection and determined to be in airworthy condition. The following discrepancies were corrected in accordance with the manufacturers maintenance manual:				
Performed Annual Inspection				
LH Compression: 78, 76, 78, 78, 75/80.				
Installed new BA-3505				
C/W oil and filter change. No contaminants found in oil filters.				
Cleaned and gapped sparkplugs.				
Dressed, lubed and painted props as necessary.				
C/W AD 2008-14-07 per SB342-E, no defects noted.				
Researched ADs thru revision 2013-12.				
 Patrick M. Cobb A&P 35396041A				

**PLANE WERKS (828)286-1474 N159B-Left**

**March 11, 2015 Hobbs: 2370 TTSMOH: 660.7**

Inspect Engine IAW Lycoming Manual. Drain Oil, Refill with Aeroshell 100W Plus. Replace Oil Filter p/n AA48110. Particle Check OK. Clean and Re-Gap Spark Plugs. Replace Air Filter BA-15. Replace all Aeroquip 303 & Stratoflex 111 hose. Replace Oil Breather Elbows P/N 21459-00.

AD's CK'd , See Compliance Report This Date.

Run up/Leak Check OK. Return to Service.

Compression Ck: 1-74/80, 2-74/80, 3-73/80, 4-70/80, 5-71/80, 6-72/80

*RH*

**RUSSELL M. HYDE: AI#242744527**

-----END-----

**s, Tests, Repairs and Alterations**

ame, Rating and Certificate Number of Technician or Repair  
r specific entries.)

**DATE:**

*March 2015*

**TACH:**

*2370*

**TTSMOH:**

*660.7*

**I CERTIFY THAT THIS ENGINE/ PROP HAS BEEN  
INSPECTED IN ACCORDANCE WITH A 100 HOUR  
ANNUAL  
INSPECTION & WAS DETERMINED TO BE IN  
AIRWORTHY CONDITION.**

**SIGNED:**

*Russell m*

**Russell Hyde 242744527 AI**

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19 ____				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

**PLANE WERKS** (828)286-1474 **M159B-Left**

March 11, 2015 Hobbs: 2370 TTSMOH:

Replace Overhauled Magneto LH P/N 10-349290-1 S/N A229629

Ref. Professional Aircraft Accessories W/O 58129

RUSSELL M. HYDE: AI#242744527

-----END-----

*Russell M Hyde*




DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b>
19 ____				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Date: 4/07/2015 N159B Piper PA-23-250 Serial Number 27-7754047

Left Hand Engine Logbook: Hobbs: 2373.6 Aftt: 4156.6 Smoh:664.3

Removed engine cowling. Performed compression as follows: 1)74/80 3) 74/80 5) 76/80 2) 78/80 4) 76/80 6) 75/80. Replaced bad upper deck line hoses with new units. Installed hose around wires thru the firewall. Cleaned all spark plugs. Rotated spark plugs and reinstalled. Ran up and leak tested. No leaks found at this time. Reinstalled engine cowlings. All work done per Piper PA-23-250 and Lycoming service manuals.

A&P 3383347

  
Blanton Qualls

End