

#2

NH

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1-26-04	5015.8	0	604.8	INSTALLED ENGINE MODEL LT10-540-J2BD, S/N L-1718 68A IN #2 POSITION ON PA-31-350, N96342, S/N 74-05205. INSTALLED NEW BARRY ENGINE MOUNTS, ENGINE HOSE KIT AND AIRFRAME HOSE KIT. ALL WORK DONE I.A.W PIPER SERVICE MANUAL. Ronnie C Smith AP 2616322
2-3-04	5015.8	0	604.8	I certify that this <u>ENGINE</u> ALL CYLINDER COMPRESSION has been inspected in accordance with an ANNUAL inspection determined to be in satisfactory condition <u>70/80 OR BETTER.</u> J. Smith AP 267770514
3-5-04	5027.57	11.72	615.8	CHANGED OIL & FILTER, PHILLIPS 20/50 XC OIL, CH48103 FILTER. RUN UP NORMAL WITH NO LEAKS NOTED.
3-29-04	5065.6	49.8	653.9	Completed 50 hr inspection I/A/W service manual. changed oil to Amshell 100W and filter CH48103 Run up ok - ok for service. Francis D. Ross 1232632 AP
4-12-04	5098.2	75.4	680.2	Replaced R/H Vacuum Pump Francis D. Ross 1232632
5-5-04	5109.7 5126.7	93.9	698.7	Completed 100 hr Insp I/A/W Piper service manual changed oil & filter. Run up ok - ok for service. Francis D. Ross 1232632
5-29-04	5159.2	143.4	748.2	Completed 50 hr Insp. I/A/W Piper service manual - Changed oil & filter Run-up ok - ok for service Francis D. Ross 1232632
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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6-19-04	5206.6	190.8	795.6	Completed 100 hr insp I/A/W piper service manual. Changed oil + filter. Run up OK + ok for return to service Francis D Ross 1232632

7-25-04 T.T. 12815.2 Hobbs 843.7 N96342 S/N 31-7405205
 Completed 50 hr inspection I/A/W piper service manual. Changed Oil, 12 qts Aeroshell 100. Test run for leaks OK for return to service.

Francis D. Ross AP1232632 Francis D. Ross

10-06-04 T.T. 12865.3 Hobbs 893.5 I certify that this aircraft has been inspected in accordance with 100 hr inspection and Piper service manual and was determined to be in airworthy condition. Installed 2 new BA7 air filters, serviced oil with aeroshell 100.
 AP Pending Brian S Ross Brian S Ross

11-24-04 5353.1 337.9 942.7 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH 50 hr INSPECTION AND PIPER SERVICE MANUAL AND DETERMINED TO BE IN AIRWORTHY CONDITION SERVICED W/AEROSHELL W/100 TEST RUN + CHECKED FOR LEAKS.
Brian S Ross AP 292 7540

SUB-TOTALS this page

TOTALS—Carry forward to next page

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Aero ENGINES

OF WINCHESTER, INC.

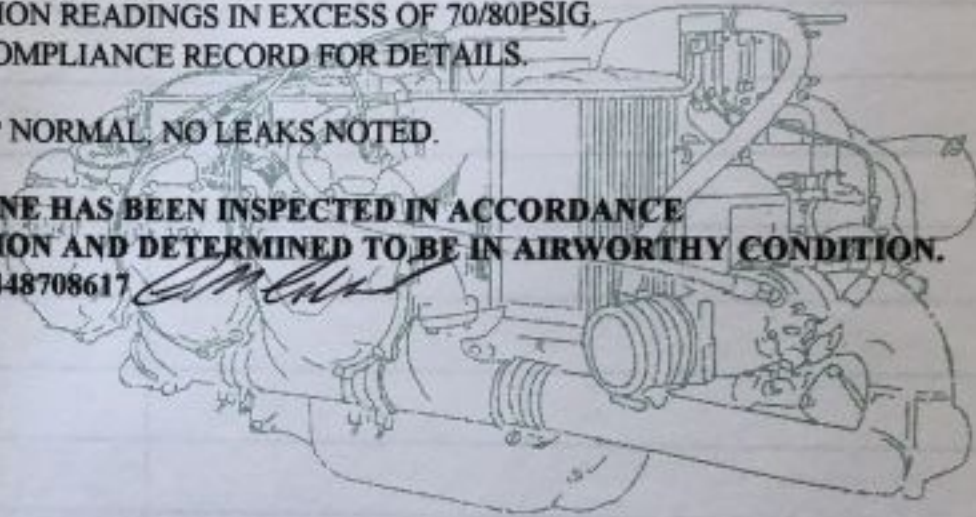
815 AIRPORT ROAD #109 • WINCHESTER, VA 22602
(540) 678-1861

DATE: 12-18-04 HOBBS: 976.3 SMOH: 371.5 LTIO-540-J2BD S/N: L-1718-68A

1. INSPECT ENGIN IAW AN APPROVED CHECK LIST.
2. CHECKED MAG TO ENGINE TIMING..
3. TEST AND LUBRICATE ENGINE CONTROLLS.
4. ALL CYLINDER COMPRESSION READINGS IN EXCESS OF 70/80PSIG.
5. C/W AD 02-26-01, SEE AD COMPLIANCE RECORD FOR DETAILS.

POST MAINTENANCE RUN UP NORMAL. NO LEAKS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.
CHRIS M. COLLINS A&P/IA 448708617 *CMC*



12-18-04	5387.3	371.5	976.3	COMPRESSION CHECK #1/73 2/76 3/76 4/74 5/75 6/73 CHANGED OIL + FILTER SERVICED W/ AERO SHELL 100W 12 QTS, REPLACED INTAKE PUSH ROD TUBE ON #6 CYLINDER ADJUSTED & RETORQUED TURBO CHARGER MOUNT BOLTS WASHER DOWN ENGINE + LEAK CHECKED OK Bran S Ran AP2927540

SUB-TOTALS this page
TOTALS—Carry forward to next page

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<p>01-12-05 TT 12990.0 Hobbs 1028.2 I certify that this engine has been inspected in accordance with 50 hr inspection and piper service manual and determined to be in airworthy condition. Brian Ross A/P 2927540 <i>Brian Ross</i></p>				
1-28-05			1055.5	INSTALL NEW VACUUM PUMP + FILTERS RA PART # RA 442 CW-6 SERIAL D2124 <i>Brian Ross</i> AP2927540
2-11-05		469.6	1074.4	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH PIPER SERVICE MANUAL 100 hr INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION BRIAN ROSS AP 2927540 C/W AD# 93-23-13, 02-26-1, 03-14-3,
<p>Date 3-6-05 T.T. Hobbs 1121.4 N96342 S/N 31-7405205</p> <p>Serviced with 12 qts Aeroshell 100W, test ran and leak checked ok. C/W AD# 93-23-13 and 03-14-03. I certify that this engine has been inspected in accordance with 50 hr inspection as per piper service manual and found to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
<p>Date 3/23/05 T.T. 13128.6 Hobbs 1166.8 N96342 S/N 31-7405205</p> <p>Serviced with 12 qts Aeroshell 100W, test ran and leak checked ok. Compressions right 1#772#723#764#785#786#76 C/W AD# 93-23-13, 03-14-03 and 02-26-01. I certify that this engine has been inspected in accordance with 100 hr inspection as per piper service manual and found to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
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				TOTALS—Carry forward to next page

NAME
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TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		TOTALS brought forward from previous page

Date 4/6/05 T.T. 13180.8 Hobbs 1219.0 N96342 S/N 31-7405205
 Serviced with 12 qts Aeroshell 100W, test ran and leak checked ok. Installed New Starter S/N F024527 C/W AD# 93-23-13, 03-14-03. I certify that this engine has been inspected in accordance with 50 hr inspection as per piper service manual and found to be in airworthy condition. Brian Ross AP 2927540 *Brian Ross*

Date 4/19/05 T.T. 13214.0 Hobbs 1252.2 N96342 S/N 31-7405205
 Serviced with 12 qts Aeroshell 100W, test ran and leak checked ok. Compressions better than 70/80. Removed, repaired and reinstalled Magneto. C/W AD# 93-23-13, 03-14-03 and 02-26-01. I certify that this engine has been inspected in accordance with 100 hr inspection as per piper service manual and found to be in airworthy condition. Brian Ross AP 2927540 *Brian Ross*

SERVICEABLE

Manufacturer TCM
 Part Name MAGNETO
 Part No. 10-682910-18R
 Model No. D6RN-3200
 Serial No. D110531

Maintenance Release

The appliance identified above was ~~overhauled~~/repaired, inspected and tested in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Remarks: Removed 6/07

Pertinent details are on file at this repair station under work order no. 29808

Authorized Signature: *[Signature]* Date: 4/12/05

Executive Accessories, Inc.
 FAA Approved Repair Station
 No. RL4R496M
 1072 N.W. 53 St., Ft. Laud. 33309

SUB-TOTALS this page
 TOTALS—Carry forward to next page

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<p>Date 5/06/05 T.T.13260.8 Hobbs1299.0 N96342 S/N 31-7405205 Serviced with 12 qts Aeroshell 100w, test ran and leak checked ok. C/W AD # 93-23-13, 03-14-03 and 02-26-01. I certify that this engine has been inspected in accordance with 50 hr inspection as per Piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
<p>Date 5/21/05 SMOH 746.5 Hobbs1351.3 N96342 S/N 31-7405205 Serviced with 12 qts Aeroshell 100w, test ran and leak checked ok. Compressions better than 70/80. C/W AD # 93-23-13, 03-14-03 and 02-26-01. I certify that this engine has been inspected in accordance with 100 hr inspection as per Piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
<p>Date 6/06/05 SMOH794.1 Hobbs1398.7 N96342 S/N 31-7405205 Serviced with 12 qts Aeroshell 100w, test ran and leak checked ok. C/W AD # 93-23-13, 03-14-03 and 02-26-01. I certify that this engine has been inspected in accordance with 50 hr inspection as per Piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
<p>Date 06/19/05 R/H SMOH 844.4 Hobbs 1449.0 N96342 S/N 31-7405205 Installed new spark plugs. Compressions all better than 70/80. Serviced with 12 qts aeroshell 100W and new filter. Compiled with AD# 93-23-13, 03-14-03 and 02-26-01. I certify that this engine has been inspected in accordance with 100 hr inspection as per piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
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				TOTALS—Carry forward to next page

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<p>Date 07/12/05 R/H SMOH 894.6 Hobbs 1499.2 N96342 S/N 31-7405205 Serviced with 12 qts aeroshell 100W and new filter. I certify that this engine has been inspected in accordance with 50 hr inspection as per piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>				
8-5-05	5958.2	942.6	1547.2	SERVICED WITH 12 QTS AERO SHELL 100W ALL COMPRESSIONS BETTER THAN 70/80. COMPLIED WITH AD # 93-23-13, 03-14-03, 02-26-01. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH 100 HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION <i>Brian Ross</i> AP2927540

Aero ENGINES

OF WINCHESTER, INC.
 615 AIRPORT ROAD #109 • WINCHESTER, VA 22602
 (540) 678-1661

DATE: 9-29-05 HOBBS: 1567.2 SMOH: 962.6 LTIO-540-J2BD S/N: L-1718-68A

1. INSPECT ENGINE IAW AN APPROVED CHECK LIST.
2. CHECKED MAG TO ENGINE TIMING.
3. TEST AND LUBRICATE ENGINE CONTROLS.
4. ALL CYLINDER COMPRESSION READINGS IN EXCESS OF 70/80PSIG.
5. C/W AD 02-26-01, NEXT DUE: 1667.2 OR 9-29-05.
6. REPOSITIONED RH EXHAUST PIPE TO WASTE GATE, TORQUED & SAFETY CLAMP.
7. TIGHTENED ALTERNATOR BRACKET.
8. CLEANED GAPPED AND ROTATED SPARKPLUGS.
9. SERVICED ENGINE WITH 12QT PHILLIPS 20/50XC OIL & CH48103FILTER.
10. INSTALLED NEW AIR FILTER P/N: BA7.

POST MAINTENANCE RUN UP NORMAL. NO LEAKS NOTED.

BRIAN ROSS A&P2927540 *Brian Ross*

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.
 CHRIS M. COLLINS A&P/IA 448708617 *Chris M. Collins*



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				<p>Date 12/29/05 R/H SMOH 1009.7 Hobbs 1614.8 N96342 S/N 31-7405205 Serviced with 12 qts aeroshell 100W and new filter. I certify that this engine has been inspected in accordance with 50 hr inspection as per piper service manual and determined to be in airworthy condition. <i>C/W AD 93-23-13</i> Brian Ross AP 2927540 <i>Brian Ross</i></p>
				<p>Date 02/05/06 R/H SMOH 1061.6 Hobbs 1666.7 N96342 S/N 31-7405205 Serviced with 12 qts aeroshell 100W and new filter. Install new Vacuum pump, s/n 121525. All compressions 70/80 or better. Complied with AD 02-26-01 and 93-23-13. I certify that this engine has been inspected in accordance with 100 hr inspection as per piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>
				<p>Date 02/28/06 R/H SMOH 1109.9 Hobbs 1715.0 N96342 S/N 31-7405205 Serviced with 12 qts aeroshell 100W and new filter. Complied with AD 93-23-13. I certify that this engine has been inspected in accordance with 50 hr inspection as per piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>
				<p>Date 03/29/06 R/H SMOH 1155.5 Hobbs 1760.6 N96342 S/N 31-7405205 Serviced with 12 qts aeroshell 100W and new filter. Install new oil temp probe. All compressions 72/80 or better. Complied with AD 02-26-01 and 93-23-13. I certify that this engine has been inspected in accordance with 100 hr inspection as per piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>Brian Ross</i></p>
				<p>4/17/2006 R/H SMOH 1195.5 Hobbs 1810.6 N96342 S/N 31-7405205 SERVICED w/12 quarts Aeroshell 100W + New Filter C/W AD 93-23 13. I certify that this engine has been inspected IAW 50 hour inspection as per Piper Service Manual and determined to be in Airworthy Condition. Tim Watson AP 2775667 <i>Tim Watson</i></p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

the aircraft may be flown.
 The FAA Form 8130-3 and JAA Form O
 valent. Other countries such as Ca
 Equivalent acceptable documents.
 COMMENDED THAT THE
 FAMILIAR WITH ENC
 P-8740-52 AFS 80
 AGENCY SYSTEM



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<p>Date 07/22/06 R/H SMOH 1339.0 Hobbs 1955.0 N96342 S/N 31-7405205 Serviced with 12 qts aeroshell 100W and new filter. All compressions 72/80 or better. Complied with AD 02-26-01 and 93-23-13. I certify that this engine has been inspected in accordance with 100 hr inspection as per piper service manual and determined to be in airworthy condition. Brian Ross AP 2927540 <i>[Signature]</i></p>				

Aero ENGINES

OF WINCHESTER, INC.

615 AIRPORT ROAD #109 • WINCHESTER, VA 22602
(540) 678-1661

DATE: 9-25-06 HOBBS: 1976.4 SMOH: 1371.8 LTIO-540-J2BD S/N:L-1718-68A

1. INSPECT ENGINE IAW PIPER SERVICE MANUAL TABLE III-I INSPECTION REPORT PER OVER UNDER AAIP.
 2. ADJUST MAG TO ENG. TIMING TO 20 DEG. BTDC.
 3. COMPRESSION TEST RESULTS /80PSIG: 1.76 2.76 3.76 4.76 5.76 6.76.
 4. SERVICE ENGINE WITH 12 QT PHILLIPS 20/50 XC & 48103 FILTER.
 5. CUT AND INSPECT FILTER, NO METAL FOUND.
 6. WASHED ENG AND LUBRICATED CONTROLLS.
 7. INSPECTED VLV. TRAIN AND REINSTALLED ROCKER COVERS USING NEW GASKETS.
 8. ADJUST ENGINE DRIVEN FUEL PUMP PRESS.
- POST MAINTENANCE RUNUP PREFORMED WITH NORMAL RESULTS, NO LEAKS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION BY:
CHRIS M. COLLINS A&P/IA

1. Approving National Aviation Authority/Country: FAA/UNITED STATES

2. AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address: KELLY AEROSPACE POWER SYSTEMS, AIRPORT COMPLEX

6. Item:	7.	Description:	8. Part Number:
	1	ALTERNATOR - OVERHAUL	ALU-8521LS
			9. Eligibility:
			N/A

13. Remarks: A COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AEROSPACE POWER SYSTEMS, AIRPORT COMPLEX

CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT WITH IAR 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPANY IS READY FOR RELEASE TO SERVICE UNDER JAA ACCEPTANCE CERTIFICATION APPROVED FOR EXPORT

THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES II COMPLES WITH PPS-9001 LATEST REVISION

NOTE: THE FAA-PMA SHOWN ON THE DATA PLATE ONLY REPRESENTS FAA APPROVAL OVERHAUL IN CONNECTION WITH ESI MANUAL OF-A1 & LATEST REV EDITION

THE FOLLOWING SERVICE BULLETINS & AD NOTES HAVE BEEN COMPLIED WITH: SB ASM-8, ASM-9, ASM-15 & AD72-15-2

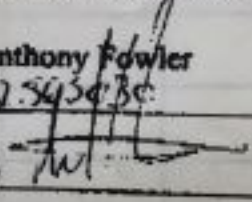
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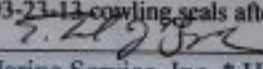
Date: June 12, 2007
 Aircraft N96342
 Serial Number: 31-7405205
 Hobbs: 2111.4

On this date, I installed a Factory Rebuilt Magneto, Part Number BL-682910-18 on the right side engine on above listed Aircraft. Set timing, ran engine, and checked. Determined Aircraft ok to return to service.

Name: Anthony Fowler

A&P #: 2-343030

Signature 

N96342 Piper PA 31-350 S/N 31-7405205 Hobbs 2137.4 TTAC 14099.2 September 13, 2007
 LTIO-540-J2BD S/N L-1718-68A TTE 6543.6 SMOH 1527.8
 Removed top cowling on right engine and removed inoperative vacuum pump. Installed new overhaul Aero Accessories Inc. pump P/N 442CW-6, S/N 53103. Installed new filters in vacuum system on right side. Ground run and functioned properly.
 Complied with AD 93-23-13 cowling seals after cowl installation.
 Edward J. Gibson  A&P 2632796 September 13, 2007
 Flightline Aero/Marine Service, Inc. * Hanger 4A * Woodbine Airport, Woodbine NJ 08270 * 609-861-1799 * IN4



Elite Air Service 300 Airport Dr. Coldwater MI 49036 517 278-6516

July 18th 2017, N96342 Piper PA31-350 Navajo Chieftain, S# 31-7405205, Lycoming LTIO-540-J2BD S#L1718-68A
 Hobbes 2157.9, TTLE UNK, SMOH 1548

Inspected **Right** engine as required by FAR91.409(a)(1) per checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 appendix D. Compressions 1/44, 2/70, 3/49, 4/70, 5/21, 6/69. Changed oil and filter used Champion AA48110 oil filter and 12 quarts of Phillips mineral 20/50 XC. Cleaned gapped and rotated spark plugs. Remove Cylinders 1, 3 and 5. Honed barrels installed new rings P# SI74241A, SL73857A and gasket kits SL12033-SC then assembled on to crank case. Remove and sent out for overhaul fuel servo to D&G supply. New CHT probe was installed P#102-00007.

- CW AD 93-23-13 Engine baffle seals. CW by inspection, next due at annual
- CW AD 2003-14-03 Prevent rotary fuel pump leaks, CW by inspection, next due at 50 hrs
- CW AD 2015-19-07 External fuel injector lines, CW by inspection next due at uncowling.

All work done IAW Piper and Lycoming maintenance documents. Completed post inspection operational check per FAR43.15(c)(2). This engine was inspected in accordance with an annual inspection and has been determined to be in a airworthy condition at this time.


 Ruben A Walkup A&P 3368961 IA

SUB-TOTALS this page

TOTALS—Carry forward to next page