NH #2

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

January 26, 2004 Model: LTI0-540-J2BD S/N: L-1718-68A "0" SMOH Hoads Coy, 8

Engine disassembled and cleaned at this time for Major Overhaul. All internal steel parts magnaflux inspected. All non-ferrous parts visually or Zyglo inspected. Crankcase replaced with Overhauled part from Crankcase Services Inc repair station #H1HR0960. Installed new main and rod bearings, and new rod nuts and bolts. Installed new Tappet Bodies P/N AEL72877. Installed 6 Overhauled ECI Cerminil Cylinders P/N ECLW12967CN including new pistons, pins, rings, and valves. Installed new crankshaft gear and bolt. Installed overhauled Magneto from Kelly Aerospace, repair station #UT2R226L Harness, and Spark Plugs. Installed overhauled Turbocharger from Approved Turbo Components repair station #U5AR184Y. Installed fuel system overhauled by Aircraft Fuel Specialists repair station #AQ2R699K. Installed overhauled starter from Aerotech, repair station #PU4R453M. AD 03-14-03 C/W per SB 529B, due again in 50 hours or 6 months, AD 02-26-01 C/W per SB 342D, due again at annual, 100 hour, or after any maintenance involving the injector lines. AD 02-19-03 N/A. AD 02-12-07 C/W per SB 543A and installation of P/N 06B23072, no further action required. AD 97-15-11 C/W by new piston pins. AD 91-14-22 C/W per SB 475C by replacement of crankshaft bolt and lock tab. All work completed in accordance with applicable Lycoming Engine Overhaul manuals. Engine test run and operational check satisfactory.

Frank J. Finley A&P228683511

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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
		1918		TOTALS brought forward from previous page
1-26-04	5015.8	0	604.8	INSTALLED ENGINE MODEL LTIO-540-J2BD, S/N L-1718
	1000			68A IN \$2 POSITION ON PA-31-350, N96342,
				SIN 74-05205, INSTALLED NEW BARRY ENGINE
				MOUNTS, ENGINE HOSE KIT AND AIRFRAME HOSE KIT.
				ALL WORK DONE I.A.W PIPER SERVICE MANUAL.
				Ronne C South Art 2616322
2-3-04	5015.8	Ø	604.8	I certify that this ENGINE AU CYLINDER COMPRESSION
2000				with an ANNUAL inco 70/80 GR BETTER.
				condition J St AD 2677795 14
	The same			KSPECKETS ASSESSMENT OF THE PARTY OF THE PAR
200	1000			
3-5-04	5027.57	11.72	615.8	CHANGED OIL & FILTER, PHICLIPS 20/50XC
				OIL, CH48103 FILTER . RUN UP NORMAL
				WITH NO LEAKS NOTED.
3-29-0	1865.6	49.8	653.9	Completed 50 he inspection 1/7/w service
				manualo changed oil to acoshellow
Town or the same				and filter CH48103 Run up ob- ok for
	1000			service Francis D. Ross 1232632 AP
4-12-04	6091.2	75.4	680.2	
	3109.7		698.7	
- 1				service manual changed oil + file.
10/A 16			7	Run up ols-ok prisevice. Francis IR out 122
F 00 11	ren	143.4	748	Completed so he hasp. If A/W service
5-29-00	5159.2		, , 0,	
				of - ok for service Francis & Ross
				1232632 ×
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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
		100	Contraction in	TOTALS brought forward from previous page
6-19-04	5206.6	190,8	795.6	Completed 100 hr insp I/A/W piper service manuals Changed ail & Silter. Run up ok 4 ob for return to service francis DRoss 125265:
	0	pleted 5 12 qts A ce.	. 12815. 0 hr insperoshell	2 Hobbs 843.7 N96342 S/N 31-7405205 Dection I/A/W piper service manual. Changed 100. Test run for leaks OK for return to s AP1232632 Francis D. Ross s AP1232632
	heen i	nenecte	d in acco	.3 Hobbs 893.5 I certify that this aircraft has ordance with 100 hr inspection and Piper
	been i servic Install	nspecte e manual led 2 ne	d in according all and work BA7	.3 Hobbs 893.5 I certify that this aircraft has ordance with 100 hr inspection and Piper as determined to be in airworthy condition. air filters, serviced oil with aeroshell 100.
	been i servic Install	nspecte e manual led 2 ne	d in according all and work BA7	ras determined to be in airworthy condition. air filters, serviced oil with aeroshell 100.
11-24-04	been i servic Install AP Pe	nspecte e manualed 2 ne ending I	d in according and with BA7 and Brian S I	T CERTIFY THAT THIS AIR CRAFT HAS BEES INSPECTE
11-24-04	been i servic Install AP Pe	nspecte e manualed 2 ne ending I	d in according and with BA7 and Brian S I	T CERTIFY THAT THIS AIR CRAFT HAS BEEN INSPECTOR IN ACCORDANCE WITH SO he INSPECTION AND
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12-18-04 5387.3 371.5 976.3 COMPRESSION CHECK #1/73 2/76 3/76 4/74 5/75 6/73

CHANGED DIL + FILTER SERVICED W/ ARRO SHELLION IZ BTS, REPLACED INTAKE PUSH ROP TUBE ON #16 CLYMOOD ADJUSTED & RETORQUED TURBO CHARLER MOUNT BOLT WASHED DOWN ENGINE + LEAK CHECKED BIX

Bua & Rom Apaga 7540

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TACH OR RECORDING METER TIME DESCRIPTION OF WORK PERFORMED-OVERHAUL SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK 101 TOTALS brought forward from previous page Date 4/6/05 T.T.13180.8 Hobbs/219.0 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 Shee Ta Date 4/19/05 T.T.13214.0 Hobbs1252.2 N96342 S/N 31-7405205 Serviced with 12 qts Aeroshell 100W, test ran and leak checked ok. Compresions 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 No. RL4R496M FAA Approved Repair Station Executive Accessories, Inc. 1072 N.W. 53 St., Ft. Laud. 33309 Pertinent details are on file at this repair station under work order no authorized Signatu approved for return to service The appliance identified above was overbacked/repaired and Maintenance Release TCM MAGNETO 10-682910-1 SERVICEABLE accordance with current /12/05 TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING W	ORK
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Serv C/W enginger I	AD # 9 ne has b	h 12 qts 3-23-13 een insp vice ma	Aerosh , 03-14- pected in nual and	Hobbs1299.0 N96342 S/N 31-7405205 ell 100w, test ran and leak checked ok. 03 and 02-26-01. I certify that this accordance with 50 hr inspection as d determined to be in airworthy	
Com and (accor deter	presions 02-26-01 rdance v	h 12 qts s better t l. I certi vith 100 o be in a	Aerosho han 70/3 fy that the hr inspensive orth	Hobbs1351.3 N96342 S/N 31-7405205 ell 100w, test ran and leak checked ok. 80. C/W AD # 93-23-13, 03-14-03 his engine has been inspected in ection as per Piper service manual and by condition.	
C/W A engine per Pip	AD # 93 has been	12 qts A -23-13, en inspe ice man	Aeroshel 03-14-0 cted in a ual and	bbs1398.7 N96342 S/N 31-7405205 I 100w, test ran and leak checked ok. 3 and 02-26-01. I certify that this accordance with 50 hr inspection as determined to be in airworthy	
aerosl I certi piper	led new spanell 100W fy that this	ark plugs. and new fi engine ha nual and d	Compressi lter. Comp s been insp etermined	obs 1449.0 N96342 S/N 31-7405205 ons all better than 70/80. Serviced with 12 qts iled with AD# 93-23-13, 03-14-03and 02-26-01. bected in accordance with 100 hr inspection as per to be in airworthy condition.	
			2500 540	SUB-TOTALS this page TOTALS—Carry forward to next page	

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

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 1814 15

-5-05	5958,2	9426	1547,2	SERVICED WITH 12 GTS A ERO SHELL 10010 ALL
				COMPRESSIONS BETTER THAN 10/88. COMPLIED WITH
11-15				AD# 93-23-13, 03-14-03, 02-26-01, I CERTIFY
				THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANG
	Carrie			WITH 100 Ar INSPECTION AND FOUND TO BEIN
	10000			AIRWORTHY CONDITION BUTE APRIGETSUS



DATE: 9-29-05 HOBBS: 1567.2 SMOH: 962.6 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, NEXT DUE: 1667.2 OR 9-29-05.
- 6. REPOSITIONED RH EXHAUST PIPE TO WASTE GATE, TORQUED & SAFETY CLAMP.
- 7. TIGHTENED ALTERNATOR BRACKETT
- 8. CLEANED GAPED AND ROTATED SPARKPLUGES:
- 9. SERVICED ENGINE WITH 12QT PHILLIPS 20/50XC OIL & CH48103FILTER.
- 10 INSTALLED NEW AIR FILTER PIN BAZ

POST MAINTENANCE RUN UP NORMAL, NO LEAKS NOTED

BRIAN ROSS A&P2927540 Brian 7

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

he aircraft may be flown

	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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6.25.06			100	Self au
	2/1-9		1856.0	ECCEPTY WAT SENT GARRETT TURBOCHARGER
SMOH 16	740.9			+GARRETT CONTROLLER - (S/W SEO/63C+ JULIRO12
				TO APPROVED TURBO COMPONENTS TO BE WELLAULE
				REINSTALLON IS PER PIPER SERVICE MANUAL
				NO LEAKS OR DOFECTS NOTED AT THIS TIME.
				COMPRESSION TEST IS 72/8000 ALL ON. TO
				ROMONED + REPLACED # 1, #3, #5 EXHAUST RISERS
				+ SLEEVES WITH OVERHALLED WITS FROM
	-			PLANE EXHAUST CORP. NO DEFECTS NOTED AT
F107 - 1-1				THIS TIME. I CERTIFY THAT THIS ENGINE
es, Inc. SHO	OP WORK	COS		WAS INSPECTED TAW PIPER STRICE MANUAL
, Florida 33309	- 13 1			100 HR INSPECTION + DETERMINIED TO BE
on	298	2		AIRWORTHY AT THIS TIME.
IRAN	MANUFACT		-	This WATSON AP 2775667 -
TION X	PART NAME			AF 2113661
BENCHC	STA K PART NO		1903.7	Spawing 12 h
	MODEL 24		- /	Serviceo WITH 12 ATS ALMSHELL 100
9/05	SERA			CLEANED & CAPPED PLUGS. COMPCIES WITH
OMPLISHED				NO 73-25-13. I CENTIFY THAT THIS
pad drive, pir				ENGINE HAS BEEN INSPECTED TAW PIPER
, bolts, screw				SERVICE MANUAL 50 An INSPECTION GAD
	1		1	PETERMINED TO BE IN AIRWATHY COND
			-	Din 1/2 AP 2927540
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		-	119719	TOTALS brought forward from	n previous page	
Service Comp in acco	ed with 12 lied with A ordance w	2 qts aerosh AD 02-26-0 ith 100 hr i	nell 100W a 01 and 93-2 inspection a	obbs 1955.0 N96342 S/N 3 and new filter. All compre 23-13. I certify that this en as per piper service manual	essions 72/80 or better. igine has been inspected	
				ALTO GINE	ES R, INC.	
INSPEC	CT ENGINE	IAW PIPER	SERVICE N	H: 1371.8 LTIO-540-J2E MANUAL TABLE III-I INSPEC	-	ER .
ADILIS	T MAG TO	FNG TIMI	NG TO 20 D	EG. BIDC.		
. COMP	ICE ENGIN	E WITH 12 (QT PHILLIP:	1.76 2.76 3.76 4.76 5.76 6.76. S 20/50 XC & 48103 FILTER.		
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COMP SERVI CUT A WASH INSPE ADJU POST	ICE ENGINAND INSPECTED ENGINE ST ENGINE MAINTEN	E WITH 12 C CT FILTER, ND LUBRIC TRAIN AN DRIVEN FO ANCE RUNI	OT PHILLIP NO METAL ATED CON ID REINSTA UEL PUMP UP PREFOR	1,76 2,76 3,76 4,76 5,76 6,76. S 20/50 XC & 48103 FILTER. FOUND. TROLLS. ALLED ROCKER COVERS USI	TS, NO LEAKS NOTED.	
COMP SERVI CUT A WASH INSPE ADJU POST	ICE ENGINAND INSPECTED ENGINE MAINTEN Y THAT TO ANNUAL	E WITH 12 C CT FILTER, ND LUBRIC TARIN AN E DRIVEN FO ANCE RUNI HIS ENGIN	OT PHILLIP NO METAL ATED CON ID REINSTA UEL PUMP UP PREFOR	1.76 2.76 3.76 4.76 5.76 6.76. S 20/50 XC & 48103 FILTER. FOUND. TROLLS. ALLED ROCKER COVERS USIPRESS. MED WITH NORMAL RESUL	TS, NO LEAKS NOTED.	
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ATE	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
	4			
	Aircraft Serial Nu Hobbs: 2 On this d right side	imber: 31-74 111,4 late, I installate engine on a	od a Factory	Rebuilt Magneto, Part Number BL-682910-18 on the Aircraft. Set timing, ran engine, and checked.
		nthony Fow	1	o service.
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	Complied with A Edward J. Gibso	D S/N L-17 owling on right of S/N 53103. Instr AD 93-23-13 co	18-68A TTI engine and remov alled new filters i evling scals after	31-7405205 Hobbs 2137.4 TTAC 14099.2 September 13, 2007 E 6543.6 SMOH 1527.8 red inoperative vacuum pump. Installed new overhaul Aero Accessories Inc. pump in vacuum system on right side. Ground run and functioned properly. cowl installation. A&P 2632796 September 13, 2007 riger 4A * Woodbine Airport, Woodbine NJ 08270 * 609-861-1799 * 1N4
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Inspect append quarts of installe for over CW AE CW AE CW AE	Removed top co P/N 442CW-6, S Complied with / Edward J. Gibso Flightline Acr ly 18 th 2017, N ted Right engir lix D. Compress of Phillips mine and new rings P# rhaul fuel serve 0 93-23-13 Eng 0 2003-14-03 F 0 2015-19-07 E	Elite A 96342 Piper I ne as required asions 1/44, 2/ eral 20/50 XC SI74241A, SI o to D&G supplies to the sea	ir Service 300 PA31-350 Navi Hobbes by FAR91.409 70, 3/49, 4/70, Cleaned gapp L73857A and g ply. New CHT ls. CW by insp fuel pump leaks jector lines, CV	ed inoperative vacuum pump. Installed new overhaul Aero Accessories Inc. pump in vacuum system on right side. Ground run and functioned property. cowl installation. A&P 2632796 September 13, 2007 Inger 4A * Woodbine Airport, Woodbine NJ 08270 * 609-861-1799 * 1N4 DAirport Dr. Coldwater MI 49036 517 278-6516 ajo Chieftain, S# 31-7405205, Lycoming LTIO-540-J2BD S#L1718-68A (a)(1) per checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 (a)(1) per checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 (b)(2)(1)(1)(2)(1)(2)(2)(2)(3)(3)(3)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)