



## COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
83-AWE-18 11-4-83	Fuel injection	Sent to Bendix AWRS for Service	703 TT	12-21-83	<i>[Signature]</i> N/A
82-11-05	MAG	Removed mag, Installed new mag	877.6	10-12-84	Hopkins Aviat. C06-49
82-20-01	MAG	Removed mag, Installed new mag	877.6	10-12-84	Hopkins Aviat. C06-49
89-22-05		EXH. SYST. C/W BY INSP REPLACE PARTS AT TACH 425	TACH 180	5-19-90	B. Tremblay A0-P1952708
89-12-04	Lycos	Install kits from SB. 484 + 499A	331.6	8/10/91	E. Novak
91-08-07		correct fuel pump fitting installed	331.6	8/10/91	E. Novak
92-12-0		Inj lines for deuts + support	403.7	9/25/92	E. Novak

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
July 130180	tach 47.4	Hobbs 0:0		
Installed Hobbs meter - 504r105A complete				
Oil & Filter changed using Phillips PS20-50				
ADGII & CH4R103 Filter - Run OK @ time				
Jude SALAZAR ATP 585 940204				
SOUTHWEST AIR RANGERS, INC., ABQ., N.M.				
8/25/80	Hobbs 45.9	set	idle speed & mixture.	
			propeller Duffin AP5859445	
			SWAP ABQ. N.M.	
Total To Carry Forward				



Remarks

Signature

Certificate No.

6-80 TACH 102.2 HOBBS 54.3 100 HOUR INSPECTION  
 COMPLETED THIS DATE, CHANGED OIL + FILTER SERVICED WITH  
 12 QTS PHILLIPS 20-50 WAD OIL. CLEANED + GAPPED SPARK  
 PLUGS, RESEALED #3 INTAKE PIPE, CHECKED MAG TIMING AND  
 + POINTS, GROUND RUN + LEAK CHECK OK.

I certify that this engine was inspected in  
 accordance with a 100 HOUR inspection and was determined to be in an air-worthy  
 condition on file under W. # 7138

Signed Daniel W. Polk AAK 58594441

Southwest Air Rangers P. O. Box 9081  
 Albuquerque, New Mexico 87120

HTA	1	2	3	4	5	6
HTL	75	76	76	74	78	76
HTT	80	80	80	80	80	80



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-21-80	TACH 158.9	H013B5 105.7	50hr	insp change oil with 20-50 Phillips and oil FILTER. LEAK CHECK at this time. <sup>rent Evans</sup> 461907324
1-7-83	Tach 652.7	H013B5	559.2	change oil & FILTER (Phillips 20-50) Run & LEAK CHECK OIL AT THIS TIME. <sup>rent Evans</sup> 461907324
Total To Carry Forward				

and Remarks

Signature

Certificate No.

Changed oil 11QTS 20/50 Phillips X-C New  
oil filter, insp oil filter no metal noted,  
Clean and gap all spark plugs. Adj; alt  
arr door pivot. Set alt belt tension  
and tighten alt base belts. Tighten all  
inj hose clamps. Replaced with new  
all rocker cover gaskets. Tighten oil filter  
nut & re-wired. Tighten oil cooler  
oil bottoms. Clean arr filter & wash  
down eng. See green tag for torque  
repairs. ————— Over ————— →



**ENGINE LOG**

Date	Engine Time		Recorder Reading	Maintenance									
	This Date	Since Major											
	Brought Forward →												
	I certify that this <u>Engine</u> has been inspected in accordance with <u>100 hr</u> inspection and was determined to be in an airworthy condition.			<table border="1"> <tr> <td>Cyls.</td> <td>1</td> <td>2</td> </tr> <tr> <td>Cyl.</td> <td>7274</td> <td>787078</td> </tr> <tr> <td>Time</td> <td>5</td> <td>80</td> </tr> </table>	Cyls.	1	2	Cyl.	7274	787078	Time	5	80
Cyls.	1	2											
Cyl.	7274	787078											
Time	5	80											
	A. D's checked	<u>83-8</u>	Date	<u>12 May 83</u>									
	Yech. Time	<u>668</u>	Total Time	<u>668</u>									
	By	<u>[Signature]</u>	A & P	<u>1691 F771A</u>									
<b>Total To Carry Forward</b>													



# REPAIR

OWNER:

Turbo

UNIT NAME

6W15749

hyc/Barrett

MFG. NAME

H10112

MODEL or TYPE

SERIAL NO.

## WORK DONE

Following new  
Parts installed I.A.W. O/H  
M1 Dated Sept 1967.

- 6 ea 400448-1 Bolt
- 1 ea 400434 Seal
- 1 ea 407778-2 Shroud
- 2 ea 404922 Ring
- 1 ea 403818-5 Ring
- 1 ea 400408 Ring
- 1 ea 400390 Nut
- 3 ea 406064 Lockplate
- 1 ea 468226-4 Holesing
- 1 ea 632710 Gasket
- 1 ea 6228572 Gasket

SIGNED

DATE



10/14/68

Total To  
Carry Forward



Remarks

Signature

Certificate No.

11-83 TT 703

AD-AME-18 Aircraft 39-4788

complied with by Deacon  
Aviation.

Gray Amielon

AVP 36376366

Lycoming SB #467

Bendix SB #RS-88+85

## ENGINE LOG

	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Brought Forward →				
5-7-84	Tach 803,75	Hobbs 694	Drained oil and replaced with 11 qts 20 w 50 Phillips X/C	
<i>K m Johnson</i>		IA 503781096		
Total To Carry Forward				



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-25-84	Brought Forward →	TACH 849.46	HOURS 735.6	
①	COMPLETED PIPER 100HR INSPECTION GUIDE			
②	COMPRESSION #1 <sup>72</sup> /80 #2 <sup>72</sup> /80 #3 <sup>74</sup> /80 #4 <sup>74</sup> /80 #5 <sup>62</sup> /80 #6 <sup>77</sup> /80			
③	DRAINED OIL AND REPLENISHED WITH 12 QTS. PHILIPS 20/50			
④	REPLACED OIL FILTER			
⑤	REPLACED #3 CYLINDER INTAKE SEAL			
⑥	REPLACED 2 SCREWS ON ROCKER COVER #6 CYLINDER			
⑦	REPLACED 2 INCH SCAT TUBING HOSE TO MUFFLER.			
Total To Carry Forward				CONTINUED NEXT PAGE →

and Remarks	Signature	Certificate No.
725.84 TACH 849.46 HOBBS 735.6		
③ DEGREASED ENGINE AND LUBED CONTROLS		
<del>④ DRESSED AND PAINTED PROP</del>		
⑤ CLEAN, GAPPED AND TESTED PLUGS		
⑥ A.D'S CHECKED AND COMPLIED NON		
APPLICABLE AT THIS TIME. THRU 84-02-07		
⑦ Installed Over hauled prop (see airframe		
for details		
<p>I certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and has been found to be in an airworthy condition. Details of repair on W/O # <u>2360</u> dated <u>2/10/84</u> are on file at this agency. <u>Kan Schurer IAF0861096</u></p>	<p>AMI, INC. GARY MUNICIPAL AIRPORT 5401 INDUSTRIAL HIGHWAY GARY, IN. 46406 CRS #18-25</p>	

Authorized Signature



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-26-84	Brought Forward →		863. fuel	
	REPAIRED	# 5 CYLINDER EXHAUST & VALVE		
	REPLACED	SNOW REPAIRS. 3 EXHAUST CLAMPS		
	REPLACED	COMP CHECK 1-78, 2-75, 3-76,		
	4-78, 5-75, 6-78			D PART 1752579 FA
				STURSON AIRMOTOR INC
10-12-84	TACH 877.6	REMOVED AND REPLACED MAGNETO		
	P/N OFF D6LN 2031 S/N 22753	- P/N ON D6LN-3000		
	S/N 5785	- AD'S 82-11-05 AND 82-20-01 C/W BY BENDIX		
	ON REMANE MAGNETO	Mark W. Hammond		
Total To Carry Forward		FOR LOOKIN'S AVIATION	A/P 365622267	→



**SERVICEABLE ITEM**

OWNER ..... *NW12966*

EQUIP. *T10-540* SER. NO. ... *5* ...

The Aircraft or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

Order No. ....

Date *9/25/84* Signed *James W. Strain* For

KAL-AERO, INC. FAA CRS 3240

Kalamazoo Municipal Airport Kalamazoo, Michigan 49002

O/H BENCH TEST REPAIR

Maintenance

*5 VALUE*

*EXHAUST CLAMPS*

*2-75, 3-76,*

	<i>4-78, 5-75, 6-78</i>	<i>D. PHATT 1752579 FA</i>
		<i>STRAIN AIRCRAFT INC</i>
<i>10-12-84</i>	<i>TACH 877.6 REMOVED AND REPLACED MAGNETO</i>	
	<i>P/N OFF D6LN 2031 S/N 22753 - A/N ON D6LN-3000</i>	
	<i>S/N 5785 - AD'S 82-11-05 AND 82-20-01 C/P BY BENDIX</i>	
	<i>ON REMANE MAGNETO Mark W. Hammond</i>	
Total To Carry Forward	<i>FOR</i>	<i>HOPKINS AVIATION #P 365622267</i>

PA-32R-30TT  
W.O.303  
Hobbs: 759.7

N8214H  
10/12/84

S/N32R-8029093  
Tach: 877.6

Removed and replaced magneto P/N off D6LN-2031, S/N off 22753  
P/N ON D6LN-3000, S/N On 5785 Remanf. All AD's applied to  
magneto were complied with by Bendix. Op's checked complied with.

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPL  
ANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN AC  
CORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERA  
L AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE

"Pertinent details of the repair are on file at the Repair Station under  
Work Order No. 303 Date 10-12-84

Signed 

For: HOPKINS AVIATION Repair Station No. CO6-49.  
6200 Riverside Drive  
Cleveland, Ohio 44135

# ENGINE LOG

N8214H  
10/24/84

S/N 32R 8029093  
Tach: 881.0

W.O. 319  
Hobbs: 7623

Replaced bendix starter drive P/N EBB-131A. Op's checked ok

"Pertinent details of the repair are on file at this Repair Station under

Work Order No. 6319 Date 10-25-84"

Signed

John E. Smith

For: HOPKINS AVIATION Repair Station No. CO6-49

6200 Riverside Drive  
Cleveland, Ohio 44135

Total

Carry Forward





# T. W. SMITH ENGINE CO., INC.

HANGAR #1

LUNKEN AIRPORT

CINCINNATI, OHIO 45226

## MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency.

CERT. No. 1045

Work Order No. BL 12150 Date: 8/15/85

Model: Lyc. T10-540-S1AD Serial No. L-7108-61A

Date Re-built 8-9-85

Total Accumulated Time 1038.63

Signed: *William M. Schmidt*

The above listed component has been inspected, re-built and test run as prescribed by manufacturer's specifications. All steel parts magnafluxed and non-ferric parts zygloed. No further run-in of the installation is required. List of manufacturer's bulletin and AD Notes complied with, recorded in back of logbook.

AD NOTES AND SERVICE BULLETINS COMPLIED WITH AT TIME OF ENGINE RE-BUILD

AD 75-08-09

SB 234

SI 1302

SB 385C

SB 240K

SI 1037J

AD 81-18-04R2

SI 1179C

SI 1340

SB 456A

SI 1267

SI 1342

SI 1343

SI 1038B

SB 240K

SI 1341

SB 302A

SL 84-001

SI 1179D

SI 1423

SI1430

SI 1225D

SI 1059

SL 84-003

SI 1299A

SI 1028

SL 84-005

SI 1218

SI 1030

SI 1279

SI 1280

8241H

This re-built engine installed in N \_\_\_\_\_  
in [redacted] position with new harness, re-built mags,  
starter, generator \_\_\_\_\_ amps, fuel pump,  
vacuum pump, hydraulic pump, tach generator,  
carburetor, fuel injection, [redacted] governor, and propellor.

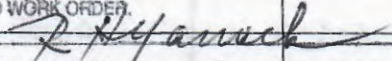
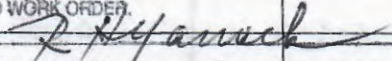
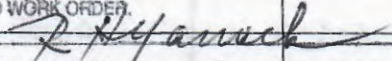
Repair order BL12150Tach \_\_\_\_\_ Date 8-27-85 By *Tom M. Schmidt*



and Remarks	Signature	Certificate No.
1-85 TACH TIME 931.2 CHANGED OIL & FILTER, REPLACED ALL SPARK PLUGS, RUN UP LEAKED CHECK OKAY;		
"Pertinent details of the repair are on file at this Repair Station under		
Work Order No. <u>467</u>	Date <u>2-1-85</u> "	
Signed <u>John E. Smith</u>		
For: HOPKINS AVIATION Repair Station No. CO6-49 6200 Riverside Drive Cleveland, Ohio 44135		

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
9-23-85	TACH TIME 1079.5 I drained oil & changed filtered reservoir with 12 qts of new det Pennshell. Engine leak checked ok			
			DATE 9-23-85 A/O TIME 11765 END TIME 113700	
			THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND APPROVED FOR RETURN TO SERVICE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED NUMBERS.	
			SIGNED <u>[Signature]</u> SECRETARY AVIATION - REPAIR STATION #1192	
3/19/86	1078.77 hrs	prop pulled for OH		
	See prop log	E.A. McShane AFB		
Total To Carry Forward				

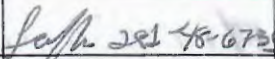

and Remarks	Signature	Certificate No.																
<p>6-9-86 1267.44 TACH TIME CHANGE ENGINE OIL AND FILTER. SERVICED ENGINE WITH 12 QTS OF PHILLIPS MULTI GRADE XC OIL. ENGINE RUN UP FOR LEAK CHECK OF FILTER - OK.</p>																		
<table border="1"> <tr> <td data-bbox="415 474 696 529">DATE 6-9-86</td> <td data-bbox="696 474 915 529">A/C TIME _____</td> <td data-bbox="915 474 1132 529">ENG TIME 1267.44</td> <td data-bbox="1132 474 1278 529">203- W.D. 0883</td> </tr> <tr> <td colspan="4" data-bbox="415 529 1278 653"> <p>THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND, WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED WORK ORDER.</p> </td> </tr> <tr> <td data-bbox="415 653 571 684">SIGNED</td> <td colspan="2" data-bbox="571 653 1210 684">  </td> <td data-bbox="1210 653 1278 684">FOR</td> </tr> <tr> <td colspan="4" data-bbox="415 684 1278 757"> <p>AERO SERVICES INT'L, INC. - REPAIR STATION #1191 _____</p> </td> </tr> </table>			DATE 6-9-86	A/C TIME _____	ENG TIME 1267.44	203- W.D. 0883	<p>THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND, WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED WORK ORDER.</p>				SIGNED			FOR	<p>AERO SERVICES INT'L, INC. - REPAIR STATION #1191 _____</p>			
DATE 6-9-86	A/C TIME _____	ENG TIME 1267.44	203- W.D. 0883															
<p>THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND, WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED WORK ORDER.</p>																		
SIGNED			FOR															
<p>AERO SERVICES INT'L, INC. - REPAIR STATION #1191 _____</p>																		



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1/16/97	YORK	REPAIRS		(CLEANED)
				GRIND & REPAIR SPARK PLUGS, CH TURNWASH
				SERVICED OIL ALL CYL COMPS ABOVE 7480
				ALL AD P/C/W. CHANGED OIL & INSP FILTER
				& SCREENS. FINE OIL. (CLEANED FUEL SCREEN)
				I CERTIFY THIS ENGINE HAS BEEN TEST AND
				AT ANNUAL INSP. AND HAS BEEN FOUND
				AIRWORTH FOR SERVICE TO SERVICE
				Donald D. Gresh (A88552030)
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>2-9-88 TACH.0004.6 ENG TSMCH 4/6.5 Prop TSMCH 605.8</p> <p>Changed oil &amp; filter comp with mag AD 78-09-07 R<sup>3</sup> IMPULSE</p> <p>check installed new joints in accordance with Bendix service manual installed new alternator belt &amp; torqued propeller to spec compression good operational preflight normal</p> <p>I certify that this engine has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition - end -</p>	<p>Daniel F. Pott</p> <p>Apr 29 204/69/</p>	

and Remarks	Signature	Certificate No.
leading edge of blades dressed prior to analysis appropriate balance compensation installed on spinner backplate		
29-98 H0805 0004.0 TAT 1455.2 TSNCH ENG 446.5 TSNCH PWD 605.8 100 HR INSP. SIBN OFF INADVERTENTLY ENTERED TWO PAGES PREVIOUSLY. <sup>CLW</sup> AD 78-09-07 R3, BENDUK M06, BY INSP. NO DEFECTS, DUS 4500 HRS, AD 87-10-06, LYO. ENGS, N/A, ENG DOES NOT HAVE PARALLEL VALUES.		
		

I certify that this ENG has been inspected in accordance  
 with ANNUAL inspection and determined to be in  
 airworthy condition.  
 TT 14552 WO N/A Date 2-9-88  
 Signed [Signature] IA 2134855



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
4-1-89	Brought Forward →	TOTAL 100	TOTAL RWG Time 1550h	SINCE 512h
				check, check fuel, check plugs, canopy oil #1 75/80 #2 75/80 #3 75/80 #4 75/80 #5 75/80 #6 70/80, INSTALL new wing GAIL ASSY P/W LW 16859, INSTALL new PIPE P/W LW 15812, INSTALL 2 new BRASS P/W 78024, SB 884 START "V" BAWII clamps o/w BT START TIME CL FUEL INT screen, 4-1-89 John Hammer
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A. <u>Annual</u> INSPECTION AND FOUND TO BE AIRWORTHY FAA APPROVED REPAIR STATION No. 1335 REPAIR ORDER ON FILE No. 1619
				BERKSHIRE AVIATION ENT. INC. 1 GREAT BARRINGTON AIRPORT GREAT BARRINGTON, MASS. 01230 FAA APPROVED REPAIR STATION No. 1335
4-1-89				John Hammer PA 80159 RD
Total To Carry Forward				

Remarks	Signature	Certificate No.
19-40 TACH 180 ETT. 1630 6MOH 592		
11-12-04 EXIT SYSTEM C/W BY INSP. ONLY PARTS TO BE REPLACED AT TACH TIME OF 425. COMPRESSION CHECK ALL 25/80, CLEAN INJECTOR SCREEN, CLEAN & GAP PLOGS CHANGED OIL FILTER, CHANGED OIL SERVICED WITH ROTOSHIELD-50		
19-40 Bureau A. Tomoly Jr MAP 19527685 R. Trofeant 129409IA	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A. APPROV. INSPECTION AND FOUND TO BE IN COMPLIANCE WITH FAA APPROVED REPAIR STATION No. 1335	ENG
	REPAIR ORDER ON FILE No. 2031	



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
8/10/91	Tach 331.6 - C/W Annual insp IAW Piper form 230-1046. Drained oil, added 12 qts Phillips Type M 20w-50 oil. Cyl Comp 1) 76/80 2) 72/80 3) 70/80 4) 74/80 5) 0/80 6) 70/80. Cyl #1 and #5 removed for O/H due to excessive exh valve guide wear. Installed O/H cyls IAW LycO direct drive O/H manuals with new seals and hardware as needed. See orange tags for more info. Installed a new ES48110 oil			
Total To Carry Forward		filter + saftied, Turbo removed		



and Remarks	Signature	Certificate No.
<p>due to damaged compressor wheel. I installed  O/H Turbo and preoiled IAW PA32R/30IT serv.  manual. c/w AD 89-12-04 and Lyco S.B. 484  and Lyco S.B. 499A by crossover pipe kit 05K2125  and one piece exhaust pipe kit 05K21503 IAW  instructions in SB 499A, A.D. 91-08-07 c/w  by checking fuel pump restrictor fitting - found  fitting <math>\bar{c}</math> correct size hole and stamped "X".  A.D. 78-09-07R3 (Impulse Coupling) is due at  Tach 504.6 hrs. AD 84-26-02 (air filter) is  due at 580.0 hrs Tach. c/w AD 77-12-06 on</p>		

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
propeller - Prop O/H at New Eng. Prop - See prop log for more info - Installed new 37A19773-376 alternator belt with prop. AD 89-22-05 is due on propeller at 381.6. Adjusted wastegate/throttle linkage IAW PA32R/301T Manual. Adjusted idle speed + mixture as needed. c/w Lyco SB 301B (400 hr value in sp) next + due 731.6. Installed 3 new engine shock mounts at both upper and (R) lower positions P/N				
Total To Carry Forward		53804-40.	Wash Engine and	



and Remarks	Signature	Certificate No
<p>cowl - Runup OK &amp; no fuel or oil leaks noted.</p> <p>Date <u>8/10/91</u> Tach: <u>331.6</u>  Total Time <u>1781.6</u> TSMOH <u>743.6</u></p> <p>I certify that this <u>engine</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.</p> <p>Sign. <u>Edward J. Morally</u> A &amp; P # <u>224458331A</u></p>	<p>Shoreline Aviation, Inc.  Marshfield Municipal Apt.  Marshfield, MA 02050 (617) 837-852</p>	
<p>10/20/91 Tach 360 - Drained oil, added 12 qts Mobil AV-1 20w-50 oil. Installed a new FS48103 filter + saftied. Runup OK &amp; no oil leaks noted.</p> <p><u>Edward J. Morally</u> A &amp; P # <u>22445833</u></p>		

CERTIFICATE NO. 45640  
REGISTRATION NO. 08-055X



SERVICEABLE 8214H 8/10/91  
OVERHAULED Tach 3366

Mfr. Name AIRSEARCH Part No. 406610-2

Part Name TURBOCHARGER Serial No. H10112

The accessory identified above was disassembled, cleaned, inspected, re-assembled and tested in accordance with the manufacturer's overhaul instructions and current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under Work Order No. 5745 Date 6-27-91

Signed [Signature]  
Signature of authorized individual

**KELPAK EAST**

56 43rd Court — Vero Beach, FL 32968  
FAA Approved Repair Station UH4R570M

Form 1004 (5-90)

and Remarks

Cowl - Re  
noted.

Date

Total

I cert

in ac

was

Sign.

10/20/91 Tach 360 - Drained oil, added 12  
qts Mobil AV-1 20w-50 oil. Installed a new  
E548103 filter + saftied. Runup OK no  
oil leaks noted. [Signature] [Signature] ATR22445833

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
9/25/92	Tach-403.7	c/w	Annual insp IAW	
↓ Piper form	230-1045		Drained oil, added	
↓ 12 qts Mobil AV1	20w-50 oil.		Installed	
	a new CH48103 oil filter + saftied. Cyl.			
	Comp 1) 74/80 2) 70/80 3) 70/80 4) 74/80 5) 74/80			
	6) 70/80. Removed turbo + #5 cyl. Instal			
	2 76220P02 Crankcase thrustuds at fwd			
	mount holes for #5 Cyl + Installed a 748			
	P02 thrustud at upper turbo mount hole.			
Total To Carry Forward			Installed Cyl + Turbo IAW	



and Remarks	Signature	Certificate No.
Service Manuals. Installed a new exhaust Elbow at wastegate outlet to exhaust over- board pipe. c/w AD 92-12-10 on fuel inj, lines IAW A.D. - No defects noted - due again at 503.7 or next annual or whenever fuel lines are disturbed. AD 78-09-07R3 (Impulse Coupling) is due at 504.6. AD 84-26- C2 (air filter) is due at 580.0. Wash Eng. + runup OK & no fuel or oil leaks noted.		





and Remarks	Signature	Certificate No.
Clw A.D. 92-12-10 (Fuel lines) no defects noted. next due 548.1 or next fuel line work. Replaced #5 rocker gasket. AD 78-09-07 R3 (Impulse Coupling) is due at 504.6. AD 84-26-02 (air filter) is due at 580.0. Engine run up OK no fuel or oil leaks noted.		

Shoreline Aviation, Inc.  
 Marshfield Municipal Apt.  
 Marshfield, MA 02050 (617) 837-8521

Date 10/15/93 Tech: 448.1  
 Total Time 1898.1 TSMOH 860.1  
 I certify that this engine has been  
 in accordance with an annual inspection and  
 was determined to be in airworthy condition.  
 Sign. Edward J. Murray A & P # 22445833TA



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
11/16/94	Tach	475.7, C/W	Annual insp using	
	Piper form 2	30-1045 as a guide. Drained oil,		
	added 12 qts	Mobil AV-1 20w-50 oil. Installed		
	+ safted a new	CH48103 oil filter. Cyl Comp		
	1) 75/80 2) 68/80 3) 72/80 4) 75/80 5) 74/80 6) 65/80. In-			
	stalled 3 new valve cover gaskets @ cyls #1, 3, + 5.			
	C/W A.D. 93-02-05 on fuel lines - no defects noted			
	next + due 575.7 or next + fuel line work. A.D. 78-			
	09-07R3 is due on impulse coupling at 504.6.			
Total To Carry Forward		A.D. 84-2602 (air filter) is due		



and Remarks	Signature	Certificate No.
at 580.0. Engine runup OK & no fuel or oil leaks noted.		
	Date <u>11/16/94</u> Tach: <u>475.7</u>	
	Total Time <u>1925.7</u> TSMOH <u>887.7</u>	
Shoreline Aviation, Inc. Marshfield Municipal Marshfield, MA 02050 617/837-8521	I certify that this <u>engine</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in a <u>worthy</u> condition.	Sign <u>Edward J. Morahy</u> A&P# <u>22445833TA</u>

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7/29/5	Brought Forward →	500.3 Tach	1950.3 TEng	912.3 SMOH
		Drained oil, replaced oil and oil filter. Replaced all fluid carrying lines (flexible). Replaced turbo charger, starter, and alternator. Removed magneto, replaced both breaker assy. relubricated, refined internally, timed to engine. Propeller removed, overhauled, reinstalled with replacement of alternator belt. Replaced all spark plugs. Removed rocker covers, inspected valve wear, no wear beyond service limits, replaced all rocker cover gaskets. Desludged propeller shaft. Flushed oil cooler.		
Total To Carry Forward		(Continued next page)		

and Remarks

Continued

Cleaned fuel injector nozzles. C/W AD93-05-22  
 by inspection of fuel injection lines for cracks,  
 security, leakage, no defects reinspect 2050-3 TAF  
 or 7/96. Replaced all exhaust gaskets. Cleaned surface  
 corrosion from turbocharger mounts and painted.

Ran engine, op's normal, no leaks. C/W AD78-04-07  
 by inspection of impulse coupling visual and dimensional OK, reinspect 2450 BT

Josh J Scanduy A/P # 40581461



**SERVICEABLE  
OVERHAULED**

Mfgr. Name Airesearch Part No. 406610-9026  
Part Name Turboscharger Serial No. HHR0494

The accessory identified above was disassembled, cleaned, inspected, re-assembled and tested in accordance with the manufacturer's overhaul instructions and current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station  
under Work Order No. 1066 Date 7-12-95

Signed Jeff Smukler  
Signature of authorized individual

**KELPAK EAST**

**56 43rd Court — Vero Beach, FL 32968**  
FAA Approved Repair Station UH4R570M

Form 1004 (5-90)

Comments/Special instructions.

Ran engine, ops normal, no leaks. CTRWNTOTOTU  
by inspection of impulse coupling visual and dimensional ck OK, reinspect #2450371  
Josh J. Landry's ATP# 40181461

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8/10/95	Brought Forward →			
Flight	Installed stand by vacuum system Precise SVS III under STC SE1779 NM, see form 337 this date.			
			Joseph Scardex A+P # 40581461	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
9/3/95 525.7 Performed 50 hr inspection I/A/w Piper PA-32R-301T maintenance manual 50hr checklist. Installed newly overhauled fuel boost pump (481-807) ops check good. Greg Mollica ATP 447039410 For Executive Flight Services, Oxford CT End		



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-13-95	Removed	Mag + sent to	Mattuck for	
	Repairs	Reinstalled	Mag checked	Internal
	Timing	Timed Mag To	Engine, ops	checked
	and Leak	checked	OK.	
		Jeff Stannella	APR 49742401	
10-21-95	Installed	New Dual	ignition	Hornis
	PN M-2997	stick	ops	checked good
		Jeff Stannella	APR 49742401	
Total To Carry Forward				

# WORK ORDER

Work Order No. 2-50401, Customer EXECUTIVE FLIGHT

Part No. 10-682560-13, Serial No. 5785

Nomenclature P6LN-3000 BENDIX MAGNETO

Description of work performed REPLACED IMP CAM, SPRINGS,  
CONTACTS, COIL & NECESSARY HARDWARE.

CWA0780907 SB'S 626, 628, 631, 632, 645, 638, 651+  
652

All work performed in accordance with applicable manufacturer's maintenance and parts manuals.

Date 10/13/95 Signed [Signature]

Mattituck Airbase, Inc.

RS-QX2R125L

10-21-95

Installed New Dual Ignition Hornis  
PN M-2997 Slick ops checked good  
J. Stummelle HD 49742481

Total To  
Carry Forward



# LOG BOOK CERTIFICATE

11-22-95

Date



LUNKEN AIRPORT, CINCINNATI, OHIO 45226

S9750

WO #

Registration #

FAA Repair Station No. CB1RO54K

Time

MODEL # T10-540-S1AD SERIAL # L-7108-61A

Disassembled engine due to crankcase crack, leaving rods on crankshaft. Washed all parts with solvent. Assembled engine with new camshaft, main bearings, gaskets and regrind lifter bodies. Honed all cylinders for ring finish, cleaned pistons and installed new rings. All other parts of the engine were reused and are in serviceable condition. This engine assembled according to parts manual and current regulations. This engine is in serviceable condition and is ready for return to service. End.

*Steven Law*



# COMPLIANCE RECORD

SERVICE BULLETINS — SERVICE INSTRUCTIONS — A.D. NOTES

MAKE LYCOMING MODEL J10-540-S1AD

SERIAL L-7108-61A WO S-9750

NUMBER	METHOD OF COMPLIANCE	INITIAL
M.S.B 518C	inspect Thermostatic Bypass Valve Per MSB	DK
S.I. 1059C	Pre Lubrication of parts Prior to assembly Per SI	DK
SI 1458	self connecting Rod Bolt stretch Per SI	DK
SI 1307B	connecting Rod Bolt Torque Application Per SI	DK
SI 1284A	supplied Shroud tube Retaining Spring Per SI	DK
SI 1442E	Improve oil Filter Bypass valve Per SI	DK
SI 1012F	Location of fan weight and roller Per SI	DK
SB 212B	supplied mech'd studs Per SB	DK
SI 1125B	Crankcase Porting Surface seal out Per SI	DK
SI 1343A	set screws for governor idler shaft Per SI	DK
AD 9114-22 SB 475-B	Crankgear Modification Per SB+AD	DK
SI 1225D	supplied Crankcase Bearing Dowel Per SI	DK
SI 1299	supplied Mag gear + cushion Per SI	DK
SI 1290D	Crankcase Thrust Studs modification Per SI	DK
SI 1215	supplied metal shroud Filter Per SI	DK
SB 392B	supplied Reinforced Crankcase Per SB	DK
M.S.B 489A	supplied oilsump Baffle Per MSB	DK

SERVICEABLE

**T. W. SMITH ENGINE CO., INC.**

**Hanger 1, Lunken Airport, Cincinnati, O. 45226.**

PART No. 10-682560-13 SER. No. 5785K CERT NO. 1043

PART NAME Bendix Magneto

SHIP No. \_\_\_\_\_ W. O. 696.8.

REMARKS: 10-682056 Block Installed

Mr. J. H.

DATE 8/6/85 TECH. W. L. Brown



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/15/95	Brought Forward →	Tach 559	Removed Engine due to crack in crankcase, Sent Engine to T.W. Smith Engine Co. Cincinnati Ohio, for repairs. Greg Mollica A+P #44703440 for Executive Flight Services, Oxford CT - End —	
12/23/95		Tach 560	Installed Engine repaired by T.W. Smith Engine Co. Replaced Right hand exhaust Elbow (LW15806), By pass Elbow (764-501), Exhaust gaskets (LW17189-20), C/W AD 91-21-01 + Installed exhaust system I/A/W Service Bulletin (Lycoming) 484.	
Total To Carry Forward			Installed new 3 piece turbo →	



and Remarks

Signature

Certificate No.

Bracket (452-907)(452-908)(452-982), Installed  
new oil return rubber lines + fuel injector flexible vent  
tubes, Cleaned injectors and installed new O-rings, C/W  
AD 93-05-22 by visual inspection of injectors and  
lines. Installed new turbo to muffler exhaust  
clamp (556-108). Replaced turbo oil hose (superior #  
MF502-68-0260). Added 12 qts mineral oil + new  
filter. Run up + ops check good, no leaks. Test  
flown for 1 hour according to instruction from TW  
Smith. Greg Mallica A+P 44703940 for  
Executive flight Services, Oxford CT - End —

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12/26/95	Brought Forward →	560.2	Each 2010.2 <del>IT</del> eng 972.2 SMOH	
			I certify that this engine has been inspected	
			I/A/W an annual inspection, is air worthy and return to service. Compression #1 74/80 #2 76/80 #3 76/80	
			#4 74/80 #5 74/80 #6 76/80. Ran engine, op's normal no leaks.	
			Jeff Scanlon AIT # 40581461 JH	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>3/18/96 tach 610, performed 50hr inspection I/A/W  Piper - PA-32B-301T maintenance manual 50 hr checklist;  Serviced with 12 qts 40wt mineral oil (Aeroshell) and CH48103  oil filter, ops check good. Greg Mollica A+P 44703940  for Executive Flight Services, Oxford CT — End —</p>		
<p>7/11/96 Tach 677 serviced w. Th 12 quarts oil  Aeroshell 15W50 + CH48103 oil filter ops ck good  Greg Mollica A+B 44703940 for Executive Flight  Services Oxford CT - End</p>		



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4/20/96	639 tach			Removed Magneto, Sent to Mattituck Airbase for repairs reinstalled Magnets + timed to Engine ops check good, they Molica A+P 44703940 for Executive Flight Services, Oxford CT - End -
8/5/96	702			Serviced with R97 dem shell 15w50 (25 hrs - 100% / Tur change)
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>3/22/96 tach 703, Removed #2 + #4 cylinders due to Exhaust guide leakage, Also Removed Waste gate assembly for repairs. (Aircraft Exhaust Systems, WU). Replaced #2 + #4 cylinders with new Lycoming cylinders and Reinstalled repaired waste gate assembly with the use of new gaskets for everything associated with turbo + exhaust. Run up, operational check good, test flight good. Greg Mollin A+P 44703940 for Executive Flight Services, Oxford CT - End -</p>		

8

SERVICEABLE

Mfr. Lycoming  
Component Multigrade  
Model PA32-R30T  
Part # LW16859

The aircraft component identified above was received and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 40024

Date 8-13-96  
Signed Zerry Lanthier

Aircraft Exhaust Systems, Inc.  
P. O. Box 159  
Rt. 26 Box 97B  
Jumping Branch, WV 25969

FAA CERTIFICATED  
REPAIR STATION NO. XHYR068L

with turbo + exhaust. Run up, operational check good,  
test flight good. Greg Mollica A+P 44703940  
for Executive Flight Services, Oxford CT - END -



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9/26/96	Brought Forward →	727 <sup>hours</sup>		TACH 727 changed oil + Filter as scheduled Fixed Fly W Terminals
9/27/96	2194.2 <sup>hr</sup>	1156.2 <sup>hr</sup>	744.2	
I certify that this engine has been inspected				
I/A/W an annual inspection, is airworthy and returned to service. Compression #1 74/80 #2 76/80 #3 76/80 #4 76/80 #5 76/80 #6 76/80. C/W AD 93-05-02 by leak check inspection of fuel injector lines, no leaks, reinspect 2294.20. Run engine, ops normal, no leaks. J. J. [Signature] Att <sup>est</sup>				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
1/31/97 748.8 Tach 2198.8 TI 1160.8 SMOH		
<p>I certify that this engine has been inspected I/A/w an annual inspection, is airworthy and returned to service. Compression #1 <sup>74</sup>/<sub>80</sub> #2 <sup>76</sup>/<sub>80</sub> #3 <sup>74</sup>/<sub>80</sub> #4 <sup>76</sup>/<sub>80</sub> #5 <sup>76</sup>/<sub>80</sub> #6 <sup>74</sup>/<sub>80</sub>. Replaced oil, oil filter, C/W AD 93-05-02 by leak ck and inspection of fuel lines, no defects, reinspect 2298.8 TI. C/W AD 97-01-03, by inspection of affected assemblies (#2 and #4) I/A/w SB 527 B, found affected parts not installed. Ran engine, op's normal no leaks. Josh J Scandura ATP# 40581461 DA</p>		

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
8/8/97	850 TACH	1151 hours		
Compression	#1 76/80, #2 73/80, #3 76/80, #4 79/80, #5 77/80, #6 75/80			
9/17/97	877 TACH	1172 hours		
	over shell 15W 50 + F.I TACH 48103			
	Run up to NO leaks			
Total To Carry Forward				



and Remarks

Signature

Certificate No.

1/2/98 922.0 Tach 2372.0 TT

I certify that this engine has been inspected I/A/W an annual inspection, is airworthy and returned to service. Compression #1  $\frac{74}{80}$  #2  $\frac{75}{80}$  #3  $\frac{75}{80}$  #4  $\frac{75}{80}$  #5  $\frac{76}{80}$  #6  $\frac{74}{80}$ . Removed magnetos, replaced points, reset Equip, C/W AD 96-12-07 by inspection of impulse coupling OK, reinspect 2872.0 TT, reinstalled and timed to engine. C/W AD 91-21-01 R by inspection of exhaust system I/A/W SB 484 no defects reinspect 2472 TT. C/W AD 93-22 by inspection of fuel inj lines no defects, no leaks, reinspect 2472.0 TT (continued)

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
(Continued)	Brought Forward →	Replaced #2 induction gasket and O-rings		
		Chafe protected components as nec. Ran engine ops normal no leaks.		
		Wahj Sunday AT #4058461A		
5/10/98	Hubbs 1228	TACH 946	scrub w/ A 12gT scrub all 15250	
		+ F.I.T. CH 48103	- Run up no leaks	
Total To Carry Forward				

# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6/23/98	140 hrs	1251		12g to 157w50 Acarshell + filter CH 48103 Run up No. links Buy Mollin A+P44703
8/1/98	144 hrs	1296		12g T 15w50 Acarshell + filter CH 48103 Run up no links E.P.S. Buy Mollin A+P44703
Total To Carry Forward				



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
8/10/98				Removed #6 cylinder due to low compression, installed new cylinder assembly (Lycoming cylinder kit) in #6 position, ops check good. changed oil & Filter Aerashell SAES0
	1027 Tach	1295 Hrs	Shag	Mollica A+P 44703940
10/17/98	1055 Tach	1321 Hrs		12 g TS Aerashell 15W50 + f. / Tan (1448103)
10/17/98	1055 Tach	1321 Hrs		Semi Bulletin #529
Total To Carry Forward				1A-D 98-18-12 Torque check inspection Shag Mollica A+P 44703940 ↗

and Remarks

Signature

Certificate No.

2/21/99

Engine removed from aircraft.

Jay L. Scordy AFP# 40581461

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/7/99	Brought Forward →	0		ENGINE TIO 540 SIAD
				LIMITS WITH REF. TO CYC O.H. MANUAL &
				SB 240 N. ALL STEEL PARTS M, P, T. BY MATTHEW
				ZYGLO INSPECTED & DIMENSIONALLY INSPECTED
				THIS TIME.
				THE FOLLOWING NEW PARTS
				1-OSK21108 CYC ASSY #5 POSITION, 5 AL 16740
				VALVE SN 11850, 6-SL 11575 BRG, 2 SL 13885
				1 AN8-14A BOLT, 8-SL 14820 SNAPRING, 10 LW
				2 SL 13641 CUSHION, 3 SL 3601 SC RING-SET,
Total To Carry Forward				



and Remarks	Signature	Certificate No.
SN L-7108-61A OVERHAULED TO FACTORY NEW TABLE OF LIMITS IN CONSOCTION WITH AIRBASE INC. UNDER WO # 54282, CRANKCASE ACCEPTABLE, NO ACCESSORIES DONE AT		
WERE INSTALLED		
VALVE, 2-AL 10545 PISTON, 1 SL 53E 19600		
BRG, 12 SL 74309 BRG, 12 SL 12186 NUT		
1775 PLUG, 5 SL 75838 GUIDE, 4 73772 NOZZLE		
2-SL 54015C RINGS ET, 12 SL 72877 BODY		
	CONT.	

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1 SL 1A340	CAM	SN 54-20631	6 SL 13923	
2 SL 76788	ROLLER	2 SL 73648	ROLLER	
(O.I.D.C)	12 SL 75060	BOLT	1 61297	IMP
SHAFT GEAR	1 STD 798	POWER	1 STD 737	
1 LW 10292	GEAR	1 77527	EXTENSION	
THE FOLLOWINGS A.D.S WERE				
92-12-5, 93-5-22, 95-7-1, 97-15-11				
DETAILS OF THIS OVERHAUL ON FILE				
UNDER WO# 123				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
BUSHING, 6 AL 12588 BUSHING, 6 73810 BUSHING 8 SL 71907 WASHER, 2 73644 COUNTERWEIGHT 1-61298 PMP, 1 LW 14021 SHAPT, 1 LW 10318 DOWEL, 2 77872 BUSHING, 1 73250 WASHER PIPE		
COMPLIED WITH: 91-8-7, 91-14-22, 97-1-4, 98-17-11, 98-18-12 <sup>2nd Time</sup> <sub>Required</sub> AT PINE MOUNTAIN AVIATION, DANBURY CT	Kevin Semons	1A 048803723



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/23/99	Brought Forward →	0.0	TACH 1094.0	2544.0 AFTT
	Reinstalled engine into Piper PA-32R-30T			
	S/N 8029093. Reinstalled all accessories. Installed repaired servo. Replaced main fuel hose to pump from firewall and pump to servo inlet. Replaced lower turbo to accessory housing hose, replaced lower oil cooler hose. Ground run engine I/A/W O/H facility specifications, operation normal, no leaks.			
	Jozef S. Sandoz ATP# 40581461			
Total To Carry Forward				

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7/29/99	Brought Forward →		1123.0 <sup>1000</sup> <del>1123.0</del> (1374 H)	
			12 gTs 15W50 AeroShell +	
10/1/99			1149 (1400 H)	
			12 gTs 20-50 phillips + filter	
4/8/00	1202.7 Tach	2652.7 TAF	108.75 MOH	
I certify that this engine has been inspected I did				
Compression	#1 73/80	#2 75/80	#3 76/80	#4 73/80 #5 77/80 #6 70/80
Raw engine, op's normal, no leaks. <i>John J. [Signature]</i>				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Letter C/H 48103 Run up & back <u>EFS</u>		
C/H 48103 Run up & back check EFS		
<p>an annual inspection, is airworthy and is returned to service.</p> <p>Replaced all lower spark plugs, rotated lower plugs to top.</p> <p>PT# 6581461 IH. Oil changed + Filter 20.50 Phillips</p>		



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6/22	1240T			oil Mineral + #4#6 gags serviced
6/22/00	Removed #4 and #6 cylinders, sent for repair, reinstalled on return. Reinstalled with new gasket sets. Replaced #2 induction gasket. Replaced exhaust manifold hardware. Ran engine, op's normal, no leaks.			Jeff [Signature] AP# 4158461
Total To Carry Forward				

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6/22	1240T			oil Mineral 7 #4#6 5 qt
				serviced
6/22/00	Removed	#4 and #6 cylinders		sent for repair, constant

<u>DATE</u>	<u>N#</u>	<u>ENGINE MAKE/MODEL</u>	<u>S/N</u>	<u>TACH</u>	<u>HOBBS</u>	<u>O#</u>
8/4/00	N8214H	Lycoming TIO-540-S1AD	L-7108-61A	1266.0	1497.2	09

## AT THIS DATE AND TIME THE FOLLOWING WORK WAS PERFORMED:

1. Serviced engine with 1 quart Aeroshell 100 Mineral oil.---END---

The work identified above was inspected in accordance with FAA Regulations and was found airworthy return to service.

SIGNED: 

A&amp;P

42152

Sealing  
Aircraft  
Maintenance



Tweed New Haven Airport, East Haven, CT 06203) 468-8639





## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/10/00	Brought Forward →			
Tach	1316	Replaced Following	Engine compartment hoses:	
Hobbs	1537	-171J001-8CR0246		
		-124J001-4CR0111		
		-124J001-6CR0340		
		-124J001-6CR0220		
		-AE701020140190		
		-624040-8D0271		
		-624000-4-0142		
		-624040-4-0171		
Total To Carry Forward		Run up + leak check good, Hoses		

and Remarks	Signature	Certificate No.
<p>manufactured by API-Tech WO # A00090221  and WO # A00110068. 3778 Distripex DR North  Memphis TN 38114.</p>		
<p>Changed oil + filter 12gts 15w50 Aerostell, CH 448103  oil filter, run up, ops check good no leaks</p>		
<p>C/w AD 2000-18-53 pertaining to oil filter  cover plate gasket part # LW13388. N/A by date</p>		
<p>Engine installed in March 1999, AD is April 1 99 and after,  Greg Mollin ATP 44703940  Shoreline Aircraft Maint  WO # 1594</p>		

The FAA Form 8130-3 and JAA Form One are equivalent.  
Other countries such as Canada also have equivalent acceptable documents.

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

**N8214H**  
**December 06, 2000**

**Model: PA32R-301T**  
**TACH: 1322.0**

**S/N: 32R8029093**

- 1.) Installed a new waste gate control cable connector assembly p/n LW-16681 and 1 each rod end pin 452-606.
- 2.) Installation performed in accordance with the current aircraft maintenance manual as applicable.
- 3.) Performed engine ground run and operational check of system with all indications normal.
- 4.) Signature & Certificate # MILO CAMPION A-1 24543390

**LYON AVIATION, INC.**  
**TAMARACK ROAD**  
**PITTSFIELD, MA 01201**


<b>Total To Carry Forward</b>				



1. UNITED STATES		2. <b>FAA FORM 8130-3</b> AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration				3. System Tracking Reference No. <b>MS- 144832</b>	
4. Organization TEXTRON LYCOMING 652 OLIVER STREET WILLIAMSPORT, PA 17701				PRODUCTION CERTIFICATE #3		5. Work Order, Contract or Invoice Number: 23645/66902	
6. Item	7. Description	8. Part Number	9. Eligibility*	10. Qty	11. Serial/Batch No.	12. Status/Work	
0001	CONNECTOR ASSY	LW-16681	T.B.V. BY INSTALLER	00001	N/A	NEW	
13. Remarks AIRWORTHINESS APPROVAL PARTS-THIS FORM IS NOT AN EXPORT APPROVAL LYON AVIATION United States Limited life parts must be accompanied by maintenance history including time/total cycles/time since new.							
14. New <input checked="" type="checkbox"/> Newly Overhauled  Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. Note: In case of parts to be exported, the special requirements of the importing country have been met.			19. <del>Return to Service in Accordance with FAR 43.9  Certifies that the work specified in Block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.</del>				
15. Signature <i>Mario Dugan</i>		16. FAA Authorization No. DMIR955188NE	20. Authorized Signature		21. Certification Number:		
17. Name (Typed or Printed): M. DUGAN		18. Date: 05-DEC-00	22. Name (Typed or Printed):		23. Date:		

FAA Form 8130-3 (NOV-93)

\* (Optional) Installer must cross check eligibility with applicable technical data.

Total To Carry Forward	
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ER

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1/2/01	Brought Forward →			
	Tch-1327.3	Installed overhauled magneto, part # BL-682560-13, DGLN-3000 serial # L110007GR IAW PA-328-301T MM magneto installation and timing procedure - run up + operational check good. Also installed new magneto heat shield part # 98691-002, New TIT probe part # 2871 serial 6206 and rod end at waste gate control arm part # LW15765.		
Total To Carry Forward				Greg Mellica A/P 44703940, Shreve Aircraft Maint, USA #1616
Carry forward				



<u>N#</u>	<u>ENGINE MAKE/MODEL</u>	<u>S/N</u>	<u>TACH</u>	<u>HOBBS</u>	<u>WO#</u>
N8214H	Lycoming TIO-540-S1AD	L-7108-61A	1336.1	1552.8	1647

**THIS DATE AND TIME THE FOLLOWING WORK WAS PERFORMED:**

- Performed A 100 Hour Inspection I/A/W Piper PA32R-301/301T Maintenance Manual.
- Engine cylinder compression checks as follows 1) 73/80 2) 69/80 3) 75/80 4) 70/80 5) 72/80 6) 75/80
- Replaced Engine Compartment Hoses P/N 124J001-3CR0166 & 124J001-3CR0224.
- Replaced Exhaust Tailpipe V-Band Coupling P/N 556-108.
- Replaced Exhaust Wastegate & Transition Assy P/N LW16859 Using New Exhaust Gaskets P/N 462-090.
- Replaced 6 Spark Plugs P/N RHB37E.
- Replaced Alternator V-Belt P/N 73965-003.
- Engine crankshaft desludged, the propeller reinstalled, torqued and saftied with .041 saftywire.
- Replaced Air Induction And Vacuum Regulator Filters P/N's BA9005 & B3-5-1.
- Replaced Section of Vacuum Pump Breather Tubing P/N Skeet #5.
- CW AD Note 91-21-01R1, Engine Exhaust System, No Defects Noted, Next Due In 100 Hours
- CW AD Note 93-05-22, Engine Fuel Injection Lines, No Defects Noted, Next Due In 100 Hours,
- CW AD Note 95-26-13, Engine Oil Cooler Hoses, No Defects Noted
- CW AD Note 98-18-12, Romec Fuel Pump, No Defects Noted, Permanently Complied With.
- CW AD Notes Checked Thru 2001-07.
- Ground run and leak checked good.

The work identified above was inspected I/A/W a 100 hour inspection and was found airworthy for return to service.

SIGNED: *Greg Mollica* A&P 44703940

Shoreline  
Aircraft  
Maintenance



Tweed New Haven Airport, East Haven, CT 06512 (203) 468-8639



# ENGINE LOG

DATE	N#	ENGINE MAKE/MODEL	S/N	TACH	HOBBS	WOP
6/4/01	N8214H	Lycoming TIO-540-S1AD	L-7108-61A	1364.0	1575.6	1694

**AT THIS DATE AND TIME THE FOLLOWING WORK WAS PERFORMED:**

1. Performed Oil Change. Run Up Aircraft To Normal Operating Temperature, Drained Oil, Removed Oil Filter, Cut Open To Inspect, No Foreign Material Noted. Installed New Oil Filter, p/n CH48103 And Safety Wired. Serviced Engine With 11Qts Aeroshell 15 W 50. Run Up, Leak Check Ok.-----END-----

The work identified above was inspected I/AW FAA Regulations and was found airworthy for return to service.

SIGNED: *Greg Mollia* A&P 44703940



Tweed New Haven Airport, East Haven, CT 06512 (203) 468-8039

Total To Carry Forward					

and Remarks

Signature

Certificate No.

N#  
N8214H

ENGINE MAKE/MODEL  
Lycoming TIO-540-S1AD

S/N  
L-7108-61A

TACH  
1401.9

HOBBS  
1604.2

WO#  
1755

**THIS DATE AND TIME THE FOLLOWING WORK WAS PERFORMED:**

Performed Oil Change. Run Up Aircraft To Normal Operating Temperature, Drained Oil, Removed Oil Filter, Cut Open To Inspect, No Foreign Material Noted. Installed New Oil Filter, p/n CH48103 And Safety Wired. Serviced Engine With 11Qts Aeroshell 15 W 50. Run Up, Leak Check Ok.  
Installed new egt probe, p/n 2870 in #6 cylinder, ops check ok.-----END-----

The work identified above was inspected I/A/W FAA Regulations and was found airworthy for return to service.

SIGNED:

*Greg Mollica*

A&P

44703940

Shoreline  
Aircraft  
Maintenance



Tweed New Haven Airport, East Haven, CT 06512 (203) 468-8639

↓  
END OF ENGINE  
LOG BOOK #1  
SEE LOG BOOK #2