

AVCO LYCOMING

Book 1

ENGINE LOG

 **AVCO** LYCOMING DIVISION

WILLIAMSPORT, PENNSYLVANIA 17701

SSP 1872

#1 LOG-BOOK

073

AVCO LYCOMING DIVISION
WILLIAMSPORT, PA. 17701

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF Avco Lycoming

MAKE

MODEL

SERIAL

FROM

19

TO

19

DETAILING TIME FROM

TO

HOURS

HOURS

SSP 1872

June 1972

NEW ENGINE CERTIFICATE

This is to certify that the engine as described hereafter has been run-in and tested as prescribed by AVCO Lycoming Specifications and Federal Aviation Agency Regulation. No further run-in after installation is required.

Model IO-360-A1B6D Serial No. L-20791-51A


Manufactured as new on May 23 1979

Authorized representative *Styler*

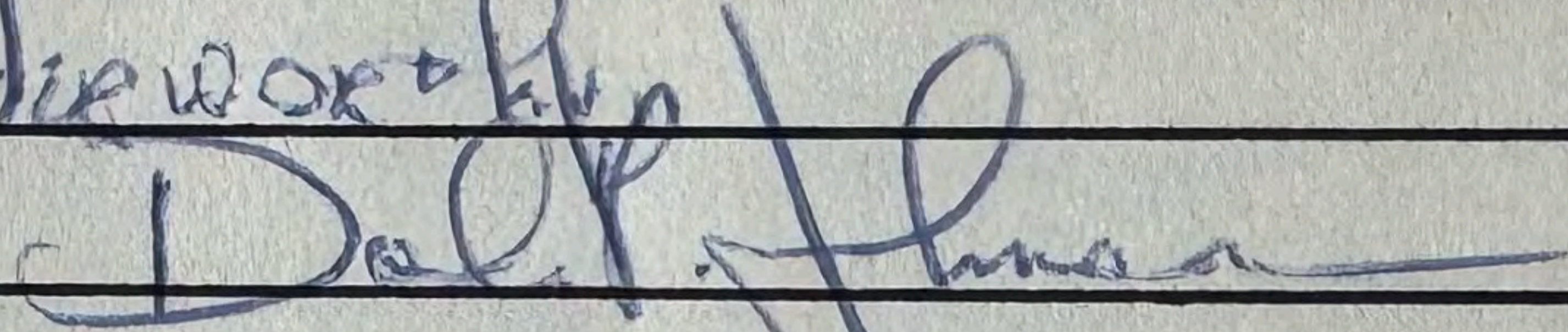
AVCO Lycoming Factory Service Department
Form No. 777-A

 **AVCO LYCOMING DIVISION** - WILLIAMSPORT, PA. 17701

ENGINE DESCRIPTION

Mfgr.  AVCO LYCOMING DIVISION	Place	WILLIAMSPORT, PA. 17701	Date
Type	Model	Serial No.	
Rated H.P.	Max. H.P.	Weight (Dry)	
Rated R.P.M.	Max. R.P.M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio		
Reduction Gear Ratio			
Propeller	Hub Design	Hub Serial No.	
Blade Design	Blade Serial No.	Blade Serial No.	
Max. Hub H.P.	Max. Blade H.P.		
Pitch	Diameter	Length	
Name			
Address			

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
59 6-15			Tach 139.0 ANNUAL INSPECTION PLUGS CHANGED OF OIL. NOW OIL SERVICED 8QT AeroShell 50W Mineral Oil I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION WAS DETERMINED AIRWORTHY <div style="text-align: right; margin-top: 10px;">  Dale J. Finner 1A2151639 </div>		

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
			<p>DATE <u>4/18/80</u></p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION.</p> <p>TOTAL TIME <u>340</u></p> <p>SIGNED <u>Dalip Johnson</u></p> <p>LIC. # <u>1A2151639</u></p> <p style="text-align: center;">CHESHIRE AIRWAYS INC. KEENE, N.H.</p>		
			Page Total		
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			Total to Date		

259-3951

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

SERIAL No. _____

LICENSE
NUMBER

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
			DATE <u>9/16/80</u>		
			I CERTIFY THAT THIS AIRCRAFT HAS		
			BEEN INSPECTED IN ACCORDANCE	ck'd screen +	
			WITH A <u>100 hr</u> INSPECTION	replaced filter +	
			AND IS DETERMINED TO BE IN AIR-	serviced with 8	
			WORTHY CONDITION.	qts of oil.	
			TOTAL TIME <u>440 hrs.</u>		
			SIGNED <u>Bernard J. [Signature]</u>		
			LIC. # <u>ATP17400135</u>		
			CHESHIRE AIRWAYS INC.		
			KEENE, N.H.		
			352-3951		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No. L-20791-51A

DATE	TIME		TACH	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.				
4-1-81	5	59	.5	Drained oil, changed filter, serviced with 8 quarts Aeroshell 50wt AD oil. Exhaust stacks welded #1 & #4 cyl. Compression test results: cyl. 1.) $\frac{73}{80}$ 2.) $\frac{74}{80}$ 3.) $\frac{70}{80}$ 4.) $\frac{74}{80}$		
<p>I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR/Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR ORDER # <u>4138</u>, DATED <u>4-1-81</u></p> <p>TACH TIME <u>559.5</u> T.T. ENG. <u>420.5</u> S.M.O.H. <u>420.5</u></p> <p>SIGNED <u><i>[Signature]</i></u> FOR Business Air Center</p> <p>F.A.A. APPROVED REPAIR STATION #4039, AIRFRAME CLASS I TUCSON INT. AIRPORT, TUCSON, ARIZONA 85706</p>						
Page Total				<p>All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.</p>		
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Total to Date						

ENGINE LOG SERIAL No. _____



DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE
	Hrs.	Min.		
5-29-81			Completed inspection per repair station checklist. Changed oil and filter. Replaced air intake filter. Welded #4 exhaust stack. Run-up test normal.	
			I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hour</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR ORDER # <u>4178</u>, DATED <u>5-29-81</u>	
			TACH TIME <u>659.4</u> I.I.	S.M.O.H. _____
			SIGNED <u><i>J. P. [Signature]</i></u> FOR <u>Business Air Center</u>	
			F.A.A. APPROVED REPAIR STATION #4039, AIRFRAME CLASS 1 TUCSON INT. AIRPORT, TUCSON, ARIZONA 85706	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
			Brought Forward	
			Total to Date	

ENGINE LOG SERIAL No. _____

LICENSE NUMBER

SIGNATURE

REPAIRS - ADJUSTMENTS - SERVICE - REMARKS

DATE

TIME

Hrs. Min.

6-25

759.3

Completed 100 hour inspection per repair station check list. Changed oil and filter. Serviced with 8 qts 50W100 Aeroshell. Run-up test normal.

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hour INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR ORDER # 4187, DATED 6-25-81

TACH TIME 759.3 T.T. S.M.O.H.

SIGNED Jeffrey Redell, Chief Insp FOR

**BUSINESS AIR CENTER
F.A.A. APPROVED REPAIR STATION #4039, AIRFRAME CLASS 1
TUCSON INT. AIRPORT, TUCSON, ARIZONA 85706**

Page Total	
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Total to Date	

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			

12-12-81			TT 859.2 \$MOH - 00:0		
----------	--	--	-----------------------	--	--

Engine overhauled, All steel parts Magnafluxed, Case Zynced
 Cylinders o/h by Saguaro Aviation Phoenix AZ, Work order
 #14482 All New bearing, bushing + rod bolts installed. Conter
 weight bushings + Pins Replaced. New piston Rings + Plugs installed
 AD 81-18-04-R1 C/w Replacement of oil pump gears No Accessories
 o/h at this time due 1600 hrs. *Alvin D. Heath ATP 526882232*

12-12-81			859.2 - 00:5 I certify that this engine has been inspected in accordance a 100hr Inspection and is Airworthy - <i>Alvin D. Heath ATP 526882232</i>		
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			Page Total
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			Total to Date

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ENGINE LOG SERIAL No. _____

LICENSE
NUMBER

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
1-13-82			T.T. 959.8 SMOH 101.3 Changed oil & filter, Compression check Exhaust system checked. Check Timing I certify that this Engine has been Inspected in accordance a 100hr Inspection and has be approved for return To service <div style="text-align: right; margin-right: 50px;"> <i>John D. Heath</i> HAP 526882232 </div>		

			Page Total
			Brought Forward
			Total to Date

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ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
2-6-82			TI 1053.6 SMOH 194.9		
			Change oil + filter Inspected screen. Compression Check ok. Welded LH Exhaust Muffler. Timing checked. Plugs Clean gap rotated.		
			I certify that this Engine has been Inspected in accordance with a 100hr Inspection and is approved for return to service.		
				D. Hatt	MP 526882232
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			

3-2-82		11	53.2	TSD 294.6		
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Changed oil & filter Clean & gap Spark plugs
 Compression Check OK Installed 4 new Champion
 R1HM 38E plugs Lower

I certify that this Engine has been Inspected in
 accordance with a 100hr Inspection and has been approved
 for return to service.

Alvin D. Heald H/P 526882232

		Page Total
		Brought Forward
		Total to Date

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 and Certificate Number MUST be Shown.

ENGINE LOG SERIAL No. _____

LICENSE
NUMBER

SIGNATURE

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
1-4-83	1239.4	hrs	370.8 hrs SMOH. Changed oil and filter serviced with 8 qts Casshell 100, patched induction air box, left muffler repaired by Aero Fabricators, #S3474. Installed lower baffle fastener rods, support bolts in right muffler, installed new alternate air door Assy, repaired left fuel baffle by patching, installed new baffle near starter & alternator, installed two used spark plugs, installed factory overhauled magnets, P/N 10-382555-11, 5/16" 8144172. Compression checked: #1 - 7 7/80, #2 - 7 9/80, #3 - 7 9/80, #4 - 7 9/80. Dressed & repainted prop blades.		

		Page Total
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		Total to Date

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ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
83 2-17-83			RECORDING TACH. 1259.8 CHANGED OIL AND FILTER. SERVICED WITH 7QTS OF AEROSHELL 50W/100 AD OIL AND NEW OIL FILTER CFO-100. GND RUN-UP OF ENGINE, NO OIL LEAKS NOTED. RETURN TO SERVICE THIS DATE.		
				<i>Harry D. [Signature]</i> A.P. 230462583	

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
83					
7-2-83	RECORDING	TACH 1367:6	100 HR INSPECTION COMPLETED		
	ENG SMOH	509.0	THIS DATE. COMPRESSION TEST #1 73/80		
	PROP SMOH	"0"	#2 74/80 #3 74/80 #4 72/80. CHANGE OIL, FILTER		
			AND CLEANED SCREENS. SERVICED WITH 8 QTS		
			PHILLIPS R/C 20W-50 AD OIL AND NEW OIL FILTER		
			CFO-100. CLEANED GAPPED & ROTATED SPARK		
			REMAINING PLUGS. CHECKED IGNITION TIMING AND IGNITION		
			LEADS. REPLACED 4 EA SPARK PLUGS RHM 38E.		
			ADJUSTED OIL PRESSURE GND ENG RUN-UP, PRESSURE OK.		
			AD COMPLIANCE REVIEW THRU 83-12 CHECKED. (CONT. NEXT PAGE)		
			Page Total		
			Brought Forward		
			Total to Date		

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ENGINE LOG

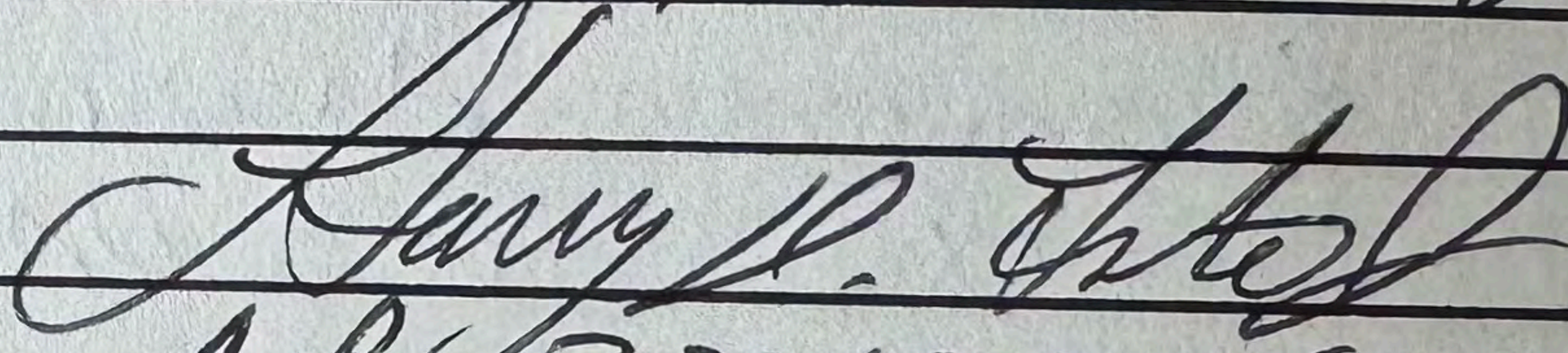
SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
83					
7-2-83	(CONT.)		<p>RECORDING TACR 1367:6</p> <p>WASHED ENGINE AND TEST RUN-UP OK. LUBED CONTROLS AND CR'D TRAVEL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/AIN A 100 NR INSPECTION AND WAS APPROVED FOR RETURN TO SERVICE THIS DATE (END).</p>	<p><i>Larry D. [Signature]</i></p> <p>NR 230462583</p>	

			Page Total
			Brought Forward
			Total to Date

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ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
7-26-83			RECORDING TACH. 1413.1 CHANGED OIL AND FILTER. SERVICED WITH 8 QTS PHILLIPS XIC 20W-50 AD OIL AND OIL FILTER CFO-100. WASHED ENGINE & COWLING. GND RUN-UP OF ENGINE. NO OIL LEAKS NOTED. RETURN TO SERVICE THIS DATE.	 APR 230462583	

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
83 9-7-83			TACH 1477.3 CHANGED OIL AND FILTER SERVICED WITH 8QTS AERO SHELL 100 50W OIL AND OIL FILTER CPO 100. WASHER ENGINE AND COWLING END RUN-UP OF ENG NO OIL LEAKS WAS NOTED. RUBBED CONTROLS. RETURN TO SERVICE THIS DATE.	<i>Larry A. Holt</i>	
				AUP 230462583	

				Page Total
				Brought Forward
				Total to Date

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ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
83 10-24-83			1542.1 CHANGED OIL AND FILTER. SERVICED WITH 7QTS AEROSHELL 100/50W AND NEW OIL FILTER CFO-100. REPLACES ROCKER COVER GASKET ON #2 + #4 CYLINDER. WASHED ENGINE & COWLING. 6ND TEST RUN-UP CRID OK. RETURN TO SERVICE THIS DATE.		

Randy D. Johnson
 A+PV230462583

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
83 12-20-83	TACH	1398.6	CHANGED OIL AND FILTER, OIL SAMPLE TAKEN. SERVICED WITH 7QTS AEROSHELL 100/50W AP OIL AND NEW OIL FILTER CFO-100. GND TEST RUN-UP CK'G OK RETURN TO SERVICE THIS DATE.	[Signature] AIP 230462583	
	ENG SMOK	740.0			

		Page Total
		Brought Forward
		Total to Date

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ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
4-6-84			RECORDING TACH 1650.7 CHANGED OIL & FILTER. SERVICED WITH 7 QTS ARPSHELL 50W RD OIL AND CFC-100 FILTER. TEST RUN-UP OK. RETURNED TO SERVICE.	Jerry L. Angold	IA-2109176
6-1-84			REMOVED REMOVED & INSTALLED PRESTOLITE STARTER PART# MHB-4018R PROVIDED BY OPERATOR AEP 242278369	Paul Walker	

		Page Total
		Brought Forward
		Total to Date

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

DATE 8-20-84

Service Bulletins, Letters,
Instructions & A D Notes

8-20-84 RECORDING TACH 1687.6 100HR/ANNUAL INSPECTION
ENGINE TT 1548.6 COMPLETED THIS DATE.
ENGINE SMOH 828.4 COMPRESSION TEST #1 ^{79/80}
PROP SMOH 320.0 #2 ^{76/80} #3 ^{79/80} #4 ^{78/80}
& 1YR @ 6-27-84 CK'D TIMING & IGNITION
LEADS. REPLACED ALL

SPARK PLUGS WITH 8 NEW RHM-38E SPARK PLUGS. CHANGED
OIL & FILTER. SERVICED WITH 70'S ALPOSHON 50W AD
OIL AND CPO-100 FILTER. CLEANED FUEL & OIL SCREENS.
WASHED ENGINE, TEST RUN-UP OK. LUBRIC CONTROLS,
CHECKED TRAVEL. AD COMPLIANCE REVIEW THRU 84-14.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN
ACCORDANCE WITH A 100HR INSPECTION AND WAS APPROVED FOR
RETURN TO SERVICE THIS DATE.

Jerry B. Angold
IA-2109176

DATE 2-4-85

Service Bulletins, Letters, Instructions & A D Notes

2-4-85 TACH 1754.1 DRAINED, REPLACED OIL W/ FORD ALKOSHEZ 40W,
REMOVED, REPLACED OIL FILTER W/ CFC-100 ELEMENT, WASHER
ENGINE, GROUND RUN CHECKED FOR LEAKS — *K. J. Hodge* PH4966523
3-29-85

1785.6 TACH INSTALLED AIRBORNE REMANUFACTURED

1785.6 TOTAL TIME ALTERNATOR FORD P/N DOFF10300B

S/N 5010013N. INSTALLED AERO ELECTRIC INC
REMANUFACTURED STARTER, PRESTOLITE P/N 624-MHB4013
S/N A-30405 (11N000032). AIRCRAFT GROUND RUN OK.
MAINTENANCE RELEASE TAGS ATTACHED AIRFRAME LOG BOOK

Paul Waller ADP 242278369

DATE _____

Service Bulletins, Letters, Instructions & A D Notes

8-19-85 RECORDING TACH 1830.2 100HR/ANNUAL INSPECTION COMPLETED
ENGINE TOTAL 1691.2 THIS DATE COMPRESSION TEST
ENGINE SMOH 971.0 #1 79/80 #2 79/80 #3 78/80 #4 79/80.
PROP SMOH 462.6 CLEANED GAPPED AND ROTATED
& 2 YRS @ 6-27-85 SPARK PLUGS. REMOVED MAGNETO
AND AD 78-09-07 & 82-20-01
COMPLETED WITH BY PIEDMONT AVIATION W.O. 12045.
CHANGED OIL & FILTER. CLEANED SCREENS AND SERVICED
WITH 7 QTS ACROSHELL 50W NET OIL & CPO-100 FILTER.
INSTALLED NEW AIRFILTER ELEMENT BA-5205. WASHED
ENGINE AND TEST RUN-UP OK. LUBED CONTROLS AND
CHECKED TRAVEL. AD'S COMPLIANCE REVIEW TRUW BS-15.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
IN ACCORDANCE WITH A 100HR INSPECTION AND WAS APPROVED
FOR RETURN TO SERVICE THIS DATE. Jerry H. Angold 2109176

Partial Maintenance Release

Make Bendix Serial No. 8144172

Part Number 10-382555-11 Unit Name Magneto

I certify that the repair as listed on the reverse hereof made to the unit identified above was made and inspected in accordance with current regulations of the Federal Aviation Administration and the repair is approved for return to service. This unit may require additional inspection prior to its return to service.

Details on file at this agency under W. O. No. 12045

Signed J. M. Ramsey FOR

Piedmont Aviation, Inc.
Smith Reynolds Airport

Repair Station No. 1340
Winston-Salem, N.C. 27156

SEE LOGBOOK 1789.2
2