

INSPECTION & MAINTENANCE RECORD

S/N E2428, N31121
WO#20423
26.9 Hobbs
10-12-88

ELLIOTT FLYING SERVICE, INC.
Quad City Airport - Moline, IL 61265
F.A.A. APPROVED REPAIR STATION NO. 3786
ENGINE LOG BOOK INSERT

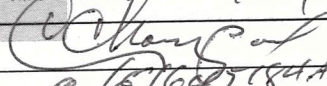
1. Changed Oil & filter.
2. Serviced with 12 qts. Phillips 20W50 non-detergent oil.
3. Installed CH48109 filter.
4. Cut open old filter and found no metal.
5. Ran and no leaks at this time.-----end-----

SIGNED *George E. White* FOR
ELLIOTT FLYING SERVICE, INC.
FAA APPROVED REPAIR STATION #3786
QUAD CITY AIRPORT, MOLINE, ILLINOIS

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE																											
Date Jan 24, 1989	Tach time 59.1	C/W Cont AD 88-03-06 Amend 39-5888 para a + b																												
Changed oil. Cleaned screen changed oil filter!		Mineral per filter affected not installed. Performed 50 Hr																												
Serviced with 12 qts. Phillips XIC 20W50		insp. LINAIRE, INC.																												
Washed engine. Leak check performed.		General Aviation Municipal Airport Lincoln, NE 68521 WO# 3870																												
	A&P 506980324																													
APR 21, 1989	Meter 99.																													
Compression test ket as follows		DIFFERENTIAL COMPRESSION CHECK																												
Changed oil & filter using 12 qt. Phillips XIC 20W50 AD + CF48159. Retimed both mag		<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>#1</th><th>#2</th><th>#3</th><th>#4</th><th>#5</th><th>#6</th><th>#7</th><th>#8</th><th>#9</th> </tr> </thead> <tbody> <tr> <td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td> </tr> <tr> <td>75</td><td>75</td><td>75</td><td>75</td><td>75</td><td>75</td><td>X</td><td>X</td><td>X</td> </tr> </tbody> </table>	#1	#2	#3	#4	#5	#6	#7	#8	#9	80	80	80	80	80	80	80	80	80	75	75	75	75	75	75	X	X	X	
#1	#2	#3	#4	#5	#6	#7	#8	#9																						
80	80	80	80	80	80	80	80	80																						
75	75	75	75	75	75	X	X	X																						
C/W Cont. AD. 88-03-06 Amend 39-5888 per affect oil filter not installed. Installed bracket air filter Ket																														
PIN BA-7210. See 337. Cleaned and gapped plugs																														
Lubed + insp. controls. Cleaned fuel screen. Washed																														
Engine run up + leak test. CONT ON Next PAGE.																														

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED	AGENCY & CERTIFICATE NO.
		LINAIRE, INC.	
I certify that this <u>Engine</u> has been inspected in accordance with a <u>100hr</u> inspection and was determined to be in airworthy condition.		I certify that this <u>Engine</u> has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition.	
Tech <u>99</u>	<u>3980</u>	Tech <u>99</u>	<u>2980</u>
Total Time in service <u>99</u>		Total Time in service <u>99</u>	
Time since major overhaul <u>99</u>		Time since major overhaul <u>99</u>	
Rich Gustus AIP-506940824		 W. Charles a/c 16045184A/E 4-25-89	
CW Slick S.B. 2-80B per Visual insp.			
CW Cont. S.B. M88-8 per timed mags			
CW Cont. S.B. M87-7 per Visual insp.			
Rich Gustus AIP-506980824			

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.																											
		Hobbs Tech Time <u>0157</u>																											
		Date <u>6-26-89</u> Changed oil. cleaned screen changed oil filter Serviced with <u>12</u> qts. <u>Phillips X 20W50AD</u> Washed engine. Leak check performed. <i>Albert Bank</i> A&P <u>261653298</u>																											
<u>8-24-89</u>	<u>197.5 hr</u>	changed oil phillips xrl 20w 50 AD oil Filter, checked mag timing, performed compression test, cleaned gapped, and checked sparkplugs performed continental Service Bulletin M 88-9 R1 - Mag timing, continental service Bulletin M 87-7 - Filter adapter check, stock service Bulletin 2-80B - visual inspection of Mags, ground Run, checked for Leaks checked OK I certify that this <u>Engine</u> has been inspected in accordance with a <u>100 HR</u> inspection and was determined to be in airworthy condition Tech <u>197.5</u> hrs <u>4133</u> Total Time in service <u>197.5</u> Time since major overhaul <u>197.5</u>																											
		DIFFERENTIAL COMPRESSION CHECK																											
		<table border="1" style="margin: auto;"> <tr> <td>#1</td><td>#2</td><td>#3</td><td>#4</td><td>#5</td><td>#6</td><td>#7</td><td>#8</td><td>#9</td> </tr> <tr> <td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td> </tr> <tr> <td>76</td><td>75</td><td>76</td><td>76</td><td>76</td><td>76</td><td></td><td></td><td></td> </tr> </table>	#1	#2	#3	#4	#5	#6	#7	#8	#9	80	80	80	80	80	80	80	80	80	76	75	76	76	76	76			
#1	#2	#3	#4	#5	#6	#7	#8	#9																					
80	80	80	80	80	80	80	80	80																					
76	75	76	76	76	76																								
		<i>Stephen L Owens A&P 565 785293</i>																											

P/N 646843

S/N A138910.0

MANUFACTURING RELEASE

The Alternator or Starter identified above was manufactured in accordance with F.A.R. 21 and Teledyne Continental Motors (AP) specifications. Pertinent details are on file in this facility

under: Order No.: 807489-1

 **TELEDYNE CONTINENTAL MOTORS**
Aircraft Products

4200 WESTPARK DRIVE, S.W.
ATLANTA, GA 30336

Date: _____

01-13-89

Signed: _____

John S. Friedrich

ATL-001

ter. CH48109

250.41

unit (sec

04

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2/28/91	494.5 Hr. meter	TT Changed oil filter, inspected filter element for contaminants. Refilled Phillips X/C 20W-50 AD oil. Washed engine. Checked timing, retimed RHM. Replaced air filter. Cleaned, gapped, tested & rotated spark plugs. Ground checked OK.

DIFFERENTIAL COMPRESSION CHECK

#1	#2	#3	#4	#5	#6	#7	#8	#9
80	80	80	80	80	80	80	80	80
74	73	76	72	71	76			

I certify that this engine has been inspected in accordance with a 100hr/annual inspection and was determined to be in airworthy condition.
 Tech 494.5 W.O. 4768
 Total Time in service 494.5
 Time since major overhaul _____

LINAIRE, INC.
 General Aviation
 Municipal Airport
 Lincoln, NE 68521

Mark Malann A&P 5019048601

Date 7-1-91 Tech Time 545

Changed oil. Cleaned screen/changed oil filter?
 Serviced with 12 qts Phillips X/C 20W-50
 Washed engine. Leak check performed.

Stan J...
 A&P 505 785293

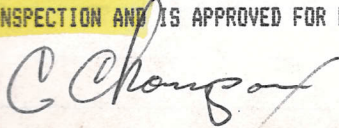
30 Sept 91 Tech 588 by C/W AD 91-79-3. See etc - 1/1/91 per
 date code on oil filter. @ Chang 164 5184 / Service

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11-19-91	610 TACH.	CHANGED OIL AND FILTER. SERVICED WITH 12qts. of Phillips Xc 20W-50 AD oil. INSPECTED FILTER ELEMENT FOR CONTAMINATION. WASHED ENGINE AND GROUND PAN FOOD. Darius L. Quinn A/P 508967414
		LINAIRE, INC. General Aviation Municipal Airport Lincoln, NE 68521

LINAIRE, INC./LINCOLN MUNICIPAL AIRPORT/LINCOLN, NE 68524
 PHONE 402-475-6000/FAX 402-475-0106
 DATE: 03-20-92 W.D.#: 5250 REG.#: N31121
 TT: 635 TACH: 635

RUN UP AND CHANGED OIL AND FILTER. PUT IN PHILLIPS X/C20W50AD. CLEANED AND GAPPED PLUGS. CHECKED MAGS AND TIMING. TIGHTENED SCREWS ON FLOW DIVIDER VALVE. CHECKED COMPRESSION #1-65/80, #2-72/80, #3-70/80, #4-75/80, #5-70/80, & #6-70/80, CHECKED AIR FILTER ADAPTER AND REPLACED BRACKETT FILTER ELEMENT. DEGREASED ENGINE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.


 CLAYTON CHAMPOUX A/E1645184AI

LINAIRE, INC./LINCOLN MUNICIPAL AIRPORT/LINCOLN, NE 68524

PHONE 402-475-6000/FAX 402-475-0106

DATE:07-08-93

W.O.#:5476

REG.#:N31121

HR MTR:769.7

PERFORMED 50 HR INSPECTION AS PER LINAIRE 50 HR INSPECTION GUIDE.
CHANGED OIL AND FILTER. ADDED 12 QTS. PHILLIPS XC 20W50. RUN UP
LEAK CHECK OK.


GARY W. VOHNOUT A&P506649413AI

LINAIRE, INC./LINCOLN MUNICIPAL AIRPORT/LINCOLN, NE 68524

PHONE 402-475-6000/FAX 402-475-0106

DATE:08-30-93

W.O.#:5497

REG.#:N31121

HR MTR:789

CW AD 93-10-02 AMEND 39-8603. CHECKED AIRCRAFT LOGS, NO FURTHER
ACTION REQUIRED.


ROBERT BREDEMEYER A&P506725309AI

LINAIRE, INC./LINCOLN MUNICIPAL AIRPORT/LINCOLN, NE 68524

PHONE 402-475-6000/FAX 402-475-0106

DATE:09-03-93

W.O.#:5497

REG.#:N31121

HR MTR:798

REPLACED OIL FILLER CAP AND DIPSTICK.


ROBERT BREDEMEYER A&P506725309AI

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

~~ENGINE LOG INSERT~~

ENGINE LOG INSERT

CRS MGO
EPPLEY AIR
OMAHA, NEBRASKA

DATE	W.O. NO.	MAKE	MODEL	HR. MTR.	TACH	TT	REGISTRATION	SERIAL
9/28/93	S-6181	Beech	A36	802.3	L R	802.3	N31121	E-242

ENGINE: Continental IO-550-B S/N 675405
 Installed Beech Engine 550 Cooling Kit, P/N 36-9013-1 S, Kit #298. Install per Kit instructions. No change in weight and balance. Operation checked g

This is To Certify That This MAINTENANCE
 Is Airworthy And Is Approved For Return
 To Service.

Pertinent Details On Work Order # 6181
Wendell B. Gintack, Inspector
 (Signature)



ELLIOTT BEECHCRAFT OF OMAHA INC.
 CRS MGOR426G
 OMAHA, NEBRASKA 68119

INSPECTION & MAINTENANCE RECORD

DATE

LINAIRE, INC./LINCOLN MUNICIPAL AIRPORT/LINCOLN, NE 68524

PHONE 402-475-6000/FAX 402-475-0106

DATE: 10-14-93

W.O.#: 5510

REG.#: N31121

HR MTR: 805.0

COMPLIED WITH AD 93-16-15 PER PAR (a) (1) AND TCM MSB NO. M93-9
REV. 1. REPLACED FUEL PUMP DRIVE COUPLING. NEW PN 653359.


GARY W. VOHNOUT A&P506649413AI

LINAIRE, INC./LINCOLN MUNICIPAL AIRPORT/LINCOLN, NE 68524

PHONE 402-475-6000/FAX 402-475-0106

DATE: 11-12-93

W.O.#: 5514

REG.#: N31121

HR MTR: 815.7 TT: 815.7

CHANGED OIL AND FILTER, ADDED 12 QTS. PHILLIPS XC 20W50. REPLACED
BRACKETT INDUCTION AIR FILTER. CHECKED ENGINE COMPRESSION.
CLEANED AND GAPPED SPARK PLUGS, CHECKED MAG TIMING. I CERTIFY THAT
THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL
INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.


GARY W. VOHNOUT A&P506649413AI

INSPECTION & MAINTENANCE RECORD



DUNCAN AVIATION

N31121
April 1, 1994
Eng S/N 675405

Model A36 S/N E-2428
Hour Meter 862.9
TSN 862.9

WO#
Acft TT
T

Drained engine oil, installed new oil filter, p/n CH48109, and serviced eng with 12 quarts of Phillips XC20-50 oil.

The above described repair or maintenance is certified airworthy and approved for return to service. A detailed record is on file under Work Order # W3Z0A.

Signed Craig C. Caskey

For Duncan Aviation CRS JGVR194F Phone: 800-228-4277



DUNCAN AVIATION

N31121
July 6, 1994
Eng S/N 675405

Model BCH A36 S/N E-2428
Hour Meter 909.1
TSN 909.1

WO#
Acft TT
TSC

Drained engine oil and added 12 qts of Phillips 66 cross country 20-50 W). Installed new oil filter (P/N CH 48109). Installed new oil drain plug gasket (P/N AN 900-10).

The above described repair or maintenance is certified airworthy and approved for return to service. A detailed record is on file under Work Order # W4D9A.

Signed Samuel A. Chesser

For Duncan Aviation CRS JGVR194F Phone: 800-228-4277



INSPECTION

FAA/PMA APPROVED

LEFT

THIS MAGNETO WAS MANUFACTURED FROM ALL NEW COMPONENTS IN ACCORDANCE WITH FAR 21.303h UNDER AUTHORITY OF MMF3226. THIS MAGNETO IS FAA/PMA APPROVED FOR APPLICATIONS LISTED IN SLICK AIRCRAFT PRODUCTS FORMS L-1058 AND L-1100.

ENTER MAGNETO MODEL, SERIAL NUMBER AND DATE OF INSTALLATION AND ATTACH THIS TAG TO ENGINE LOGBOOK.

MAGNETO MODEL NO. 6310

MAGNETO SERIAL NO. 94090347

DATE OF INSTALLATION 10/14/94

ENGINE PLANT LOG INSERT

DATE	W.O. NO.	MAKE	MODEL	HP
10/14/94	S-6820	Beech	A-36	

1. Annual inspection completed using the Beech Bonanza 33, 35, and 36 Inspection Guide, 98-32227H.
2. Changed oil and filter. S.O.A.P. sample taken. Added 12 quarts Aeroshell 15W50 oil and CH48109 filter.
3. Removed and cleaned fuel injector nozzles; reinstalled.
4. Replaced Brackett Air Filter, P/N 7112.
5. Completed 500-Hour Heater Pressure Test and 100-Hour Visual Inspection. Next pressure test due at 1482.2; next visual due at 1082.2.
6. Installed new magnetos, left hand model #6310, S/N 94090347; right hand model #6310, S/N 94090368.
7. Ground run aircraft. Systems operational and leak checks were satisfactory. No discrepancies noted. (CONTINUED NEXT PAGE)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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POWER PLANT LOG INSERT

**CRS MGOR426G
EPPLEY AIRFIELD
OMAHA, NEBRASKA 68119**

Pg 2

DATE	W.O. NO.	MAKE	MODEL	HR. MTR.	TACH	TT	REGISTRATION	SERIAL
10/14/94	S-6820	Beech	A-36	982.2	N/A	982.2	N31121	E-2428

8. All work accomplished in accordance with the Bonanza Series Maintenance Manual, 36-590001-9A16.

COMPRESSION CHECK					
1	2	3	4	5	6
$\frac{72}{80}$	$\frac{66}{80}$	$\frac{64}{80}$	$\frac{56}{80}$	$\frac{62}{80}$	$\frac{62}{80}$

Date: 10/14/94 Hr. Meter: 982.2
 Cycles: _____ Total Time: 982.2

I certify that this ENGINE
 has been inspected in accordance with a
ANNUAL inspection
 per FAR 91.409. A1 and was
 determined to be in airworthy condition.
 Details pertinent to this inspection are
 on file under W.O.# S6820
 Signed: Anthony Sabath Inspector

Elliott Beechcraft of Omaha
 CRS MGOR 426G
 Omaha, Nebraska 68119

INS
#2

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Timmerman Field Milwaukee, WI		<p style="text-align: center;">GRAN-AIRE, INC. F.A.A. APPROVED REPAIR STATION NO. AZOR351C</p> <p style="text-align: right;">Phone: (414) 461-3222 Fax: (414) 461-8207</p>
3-22-95	Hobbs 1022 hrs.	Changed oil and filter. Serviced with 11qts Aeroshell 15w-50 oil. Installed a CH48109 filter. Ground run and leak check good.
<p>With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. <u>5753</u>.</p>		
Date	<u>3-22-95</u>	Signed <u>Kerry P Bethe</u>
Timmerman Field Milwaukee, WI		<p style="text-align: center;">GRAN-AIRE, INC. F.A.A. APPROVED REPAIR STATION NO. AZOR351C</p> <p style="text-align: right;">Phone: (414) 461-3222 Fax: (414) 461-8207</p>
8-24-95	Hobbs 1065 hrs.	Changed oil and filter. (CH48109). Serviced with 11 qts. Aeroshell 15w-50 oil. Washed engine and performed run up. Leak check good.
<p>With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. <u>6045</u>.</p>		
Date	<u>8-24-95</u>	Signed <u>Kerry P Bethe</u>

INSPECTION & MAINTENANCE RECORD

DATE

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

11-1-95 100 Hour Inspection completed this date. Changed oil and filter. Serviced with 12 qts. of Aeroshell 15W50. Comp: Cyl. #1-65/80 #2-72/80 #3-67/80 #4-70/80 #5-68/80 #6-70/80. Checked mags and mag timing. Replaced all 12 spark plugs P/N RHB32E. Cleaned fuel screens, injectors, and replaced air filter P/N BA7112. Inspected exhaust, intake, and engine controls. Replaced both vacuum filters P/N RA 1J4-7 and RA D9-14-5. Dressed and painted prop. Ground runup and leak checked filter.

I certify that this aircraft or engine has been inspected in accordance with 100 Hour inspection and was determined to be in airworthy condition. Pertinent details on the repair are on file at this agency under work order no. 6117.

Date 11-1-95 Total Time 1091.5 Time 1091.5 Signed Matt Stellmacher
SMOH

INSPECTION & MAINTENANCE RECORD

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

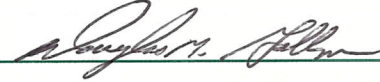
Phone: (414) 461-3222
Fax: (414) 461-8207

3-15-96 Hobbs 1104hrs. Change oil and oil filter. Added 11qts 15W-50 Aeroshell oil. Installed new CH48109 filter. Test run, check for leaks, none noted. Wash engine.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6362.

Date 3-15-96

Signed



Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222
Fax: (414) 461-8207

9-4-96 Hobbs 1161 hrs. Changed oil and oil filter. Serviced with 11 qts. Aeroshell 15w50 oil. Ran engine and checked filter for leaks.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6588.

Date 9-4-96

Signed



Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

DATE

Completed 100hr inspection. Changed oil and filter. Serviced with 11 qt 15-W50 Aeroshell. Checked leads and timing. Installed new air filter p/n BA7112. Serviced battery. Cleaned, gapped and tested spark plugs. Cleaned fuel screen. Run up and filter leak check. Compression: #1=66, #2=68, #3=70, #4=71, #5=77, #6=71. Installed winter baffles.

I certify that this aircraft or engine has been inspected in accordance with 100hour inspection and was determined to be in airworthy condition. Pertinent details on the repair are on file at this agency under work order no. 6718.

Date 12-3-96 Total Time 1178 SMOH Time 1178 hobbs Signed [Signature]

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

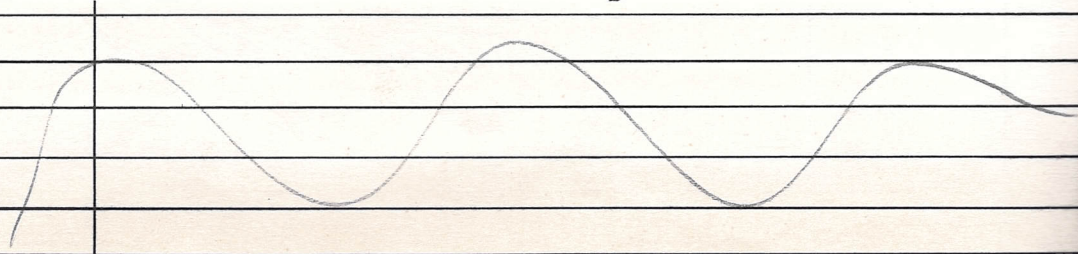
F.A.A. APPROVED REPAIR STATION NO. AZOR351C

5-13-97 Hobbs 1218.0 Change oil and oil filter. Added 11qts 15W-50 Aeroshell oil. Wash engine. Test run check for leaks, none found

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6957.

Date 5-13-97

Signed [Signature]



Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

10-01-97 hobbs 1261.8 changed oil and filter,
replaced with 11 qts of Aeroshell 15w/50. Did
run up and leak checked filter. No leaks found.

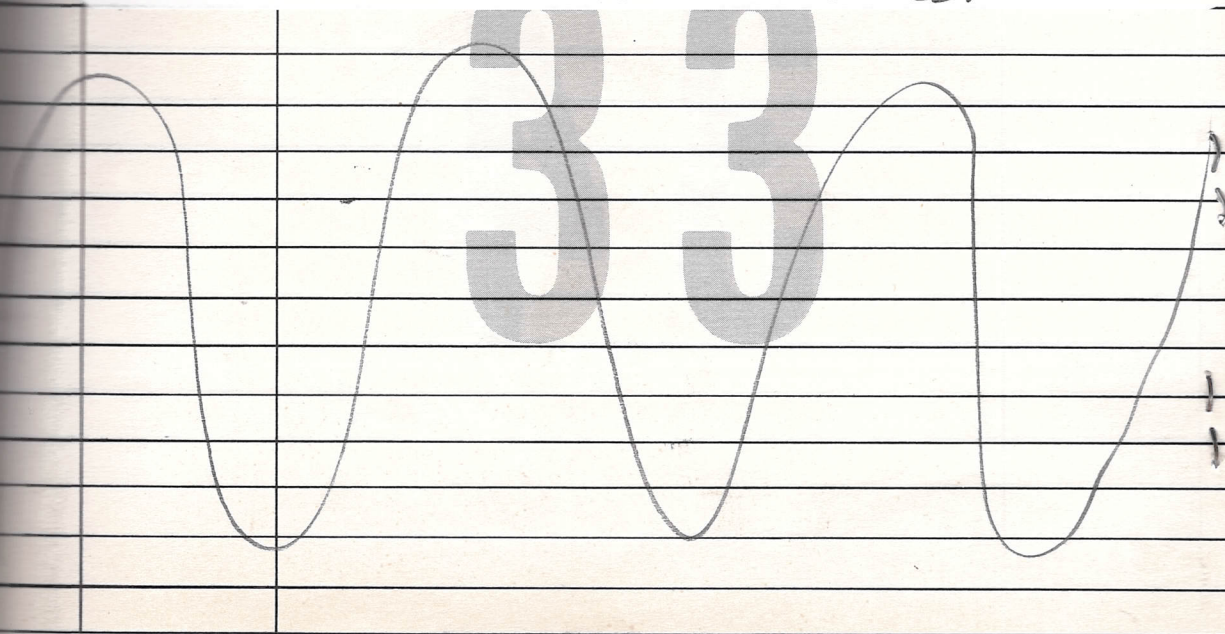
With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7153.

Date 10-01-97

Signed



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INSPECTION & MAINTENANCE RECORD

DATE

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

1-13-97 100HR inspection completed this date. performed compression test #1-72 #2-71 #3-72 #4-75 #5-75 #6-76/80. Checked mags and mag timing. Cleaned gapped tested and rotated plugs. Cleaned fuel screen. Replaced induction air filter P/N BA7112 . Inspected exhaust intake and engine controls. Replaced both vac filters P/N RAD(-14-2) and both instument filters P/N RA-D9-14-5 Cleaned and inspected fuel injection control valve. performed high tention lead test.

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

2/25/98 Hobbs 1287. Changed oil and filter. Replaced with 11 qts Aeroshell 15w/50. Performed engine run up, leak check, no leaks noted.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7361.

Date 2/28/98

Signed Craig Stans

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZ0254

5/20/98 Hobbs 1317. Replaced dry air
Insp hoses and filters.

1. United States		2. FAA Form 8130-3 Airworthiness Approval Tag US Department of Transportation Federal Aviation Administration		3. System Tracking Reference Number 74051	
4. Organization RAPCO, Inc. 445 Cardinal Lane, Hartland WI 53029		8. Part Number A130W		9. Eligibility Various	
6. Item 1 Vacuum Pump		10. Quantity 1		11. Serial/Batch Number 74051	
7. Description		12. Status/Work Overhauled		13. Remarks Overhauled in accordance with Process Specification #203-6-1009 N31121 5/20/98 HOBBS 1317 <i>Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.</i>	
14. <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 regulations. Note: In case of parts to be exported, the special requirements of the importing country have been met.		16. FAA Authorization No.		19. 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.	
15. Signature		17. Name (Typed or Printed)		20. Authorized Signature Jeffrey Schmid	
18. Date		21. Certificate Number NE5R064N		23. Date 5-14-98	

Each Time Off 1111 Hrs. Purchased From: _____

FAA Form 8130-3 (11-93)

SERVICEABLE

Timmerman Field
Milwaukee, WI

INSPECT

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222
Fax: (414) 461-8207

5/20/98 Hobbs 1317. Replaced dry air pump with O/H, P/N 212CW, S/N 74051.
Insp hoses and filters. Did run up, op check, checks good.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 1317.

Date 5/20/98

Signed

Kerry P. Butke

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222
Fax: (414) 461-8207

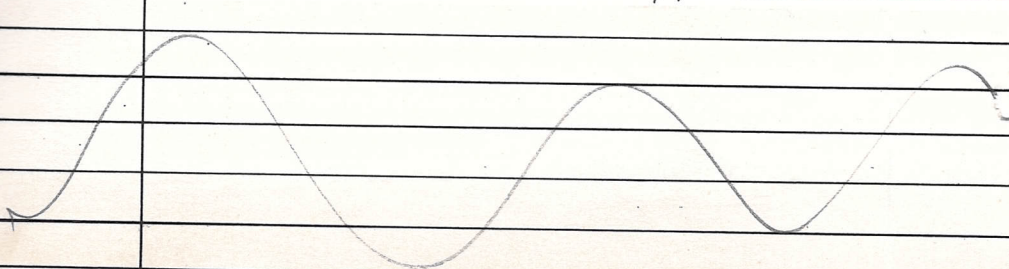
¹³¹⁷
6/18/98 Tach ~~1326~~ Changed oil and filter, replaced with 1lqts Aeroshell 15w/50. Did run up, leak check, no leaks noted. Replaced landing light with new.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7554.

Date 6/18/98

Signed

Kerry P. Butke



Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

DATE

9/23/98 Hobbs 1359. Changed oil and filter, replaced with 11 qts Aeroshell 15w/50. Performed run up, leak check, no leaks noted.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7740.

Date 9/23/98

Signed



Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

2/10/99 Flight hobbs: 1388 Completed engine 100hr at this time and date.
Drained oil and changed filter. Serviced engine with 11qts. 15W-50 Aeroshell. Serviced all sparkplugs. Rotated and reinstalled. Inspected exhaust system. Checked controls for movement and lubed. Compression: 1)68 2)60 3)64 4)70 5)70 6)70/80. Serviced and charged battery. Inspected all wiring and plumbing for condition and routing. Replaced battery vent tube with new part. Removed old old hardware from slip joints and installed new. Tightened to proper values. Checked magneto timing. Checked high tension leads. AD97-26-17 TCM crank dated 1/23/98 N/A by engine model. AD98-01-08 Roller rockers dated 12/23/97 N/A not installed at this time. Replaced induction filter. Cleaned fuel screens. Cleaned fuel nozzels. Performed run-up and leak check. No defect noted.

Dressed blades and painted. Checked hub and spinner assembly no defect noted.

I certify that this aircraft or engine has been inspected in accordance with 100hr inspection and was determined to be in airworthy condition. Pertinent details on the repair are on file at this agency under work order no. 7956.

Date 2/10/99 Total Time 1388 tsmoh Time 1388 Hobbs Signed



INSPECTION & MAINTENANCE RECORD

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Fax: (414) 461-8207

8/12/99 Hobbs 1425. Changed oil and filter, added 11 qts. Aeroshell 15w/50.
Performed run up, leak check, no leaks found.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8250.

Date 8/12/99

Signed

Kerry P Betthe

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Fax: (414) 461-8207

10/14/99 Hobbs 1462 hrs. Changed oil and filter. Serviced with 11qts 15w-50
Aeroshell oil. Performed run-up and checked filter for leaks.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8359.

Date 10/14/99

Signed

Kerry P Betthe

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.
F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222
Fax: (414) 461-8207

5/19/00 Hobbs: 1434 hrs. Reinstalled starter adapter after repair. (See yellow tag attached). Performed run-up and checked for leaks. Replaced both fuel quick drain valves with new parts.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8696

Date 5/19/00

Signed Kerry P. Bithke



1701 East Main St., Griffith, IN 46319

F.A.A. Approved Repair Station No. MW2R020L

Phone: (414) 461-3222
Fax: (414) 461-8207

Date 11-8-00
11 quarts 15w/50. Serviced tires with 100hr filter added. Performed run up and leak check, no leaks found.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8984

Date 11-8-00

Signed Kerry P. Bithke

I certify that this aircraft or engine has been inspected in accordance with 100hr inspection and was determined to be in airworthy condition. Pertinent details on the repair are on file at this agency under work no. 8614

Date 4/1/00 Total Time _____ Time 1478hobbs Signed Kerry P. Bithke

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

4/1/00 Hobbs 1478. Completed 100hr inspection this date. Changed oil and filter, added 11 qts. Aeroshell 15w/50. Checked compressions, all cylinders are 70/80 or better. Cleaned, gapped, tested, and rotated spark plugs. Checked mags and mag timing. Inspected exhaust and induction systems. Replaced air filter with new filter element. Checked and serviced battery. Replaced canister instrument air filter with new. Cleaned and inspected

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: (414) 461-3222
Fax: (414) 461-8207

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Date 11-8-00 Hobbs 1513. Changed oil and filter added 11 quarts 15w/50. Serviced tires with air. Performed run up and leak check, no leaks found.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8984.

Date 11-8-00

Signed Kerry P. Bethke

I certify that this aircraft or engine has been inspected in accordance with 100hr inspection and was determined to be in airworthy condition. Pertinent details on the repair are on file at this agency under work no. 8614.

Date 4/1/00 Total Time _____ Time 1478hobbs Signed Kerry P. Bethke

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222

Fax: (414) 461-8207

On this date. Changed oil and filter. Serviced with 11qts 15w-50 oil. Cleaned, gapped
valves. Checked mag timing. Compression: 64-53-70-58-68-70/80. Cleaned fuel screens. Replaced
oil filter. Inspected induction and exhaust systems. Serviced battery. Checked and lubed controls.
Replaced main inlet filters with new. Performed run-up and checked filter for leaks. Operational

This aircraft or engine has been inspected in accordance with 100 hr inspection and was
found to be in airworthy condition. Pertinent details of the work performed are on file at this agency
under order no. 9214.

Gregory P. B. Adde

GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222

Fax: (414) 461-8207

Thomson Field
Muskegon, MI

FAA Form 8130-1
Hobbs: 1579.1

Oil changed and serviced with 11 Qts. aeroshell 15W-50, cut open old oil filter for inspection-OK. Installed
new 1540109 oil filter and secured. Ran-up to check for leaks- no leaks noted.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected
and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return
to service. Pertinent details of the repair are on file at this agency under work order no. 9417

Signed *Michael Witten*

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.
F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222
Fax: (414) 461-8207

DATE

9/27/01 Hobbs 16.3

Replaced prop governor gasket with new. Performed run up, leak check, op check, checks good, no leaks found. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 9452.

Signed Kenneth B. Attkin

1-1-02

OIL + FILTER CHANGE. Hobbs 58 HRS. (Phillips Cross Country 20-5)

4/2002

1574.0

REMOVED ENGINE FOR MAJOR OVERHAUL. SEE NEW LOGBOOK.

Will K. Coy AAP 4417CS808

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

41
END THIS LOG