US Department	
of Transportation	
Federal Aviation	b

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 2/28/2011	Electronic Tracking Number
F	or FAA Use Only

instruction	CTIONS: Prin ns and dispos ation. (49 U.S	sition of thi	is form	ies. See Title 1 . This report is I	4 CF requi	R	§43.	9, Part 4: aw (49 U.	3 Appen S.C. §44	dix B, a 4701). F	and AC 43, ailure to re	9-1 (or sut port can re	osequent revision thereof) for sult in a civil penalty for each	
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r 1	AA FIt. Standa spector	ards	Manufacturer Mainten					nance Or	ganizatio	on	Depa	rtment of Tra	d by Canadian Insport	
- 1 1	AA Designee		Repa	ir Station	X	In	nspec	tion Autho	rizalion	7	Other (Sp.	ecity)		
Certificate or Signature/Date of Authorized Individual Designation No. 2755069 Signature/Date of Authorized Individual Jim Barker July 07, 2015														

FAA Form 337 (10-06)

		NOTICE		
Weight and balance or operating limitation compatible with all previous alterations to a	changes shall be ssure continued	e entered in the appropriate aird conformity with the appicable a	craft record. An alteration must be irworthiness requirements.	
		USA N993LL	July 07, 2015	
8. Description of Work Accomplished		Nationality and Registrat		
Removed all 6 original CMI/TCM fuel	injectors and			
SE09963SC. Kit Part Number TIG 55	60-12E.	moterior of impostors fit se	mai number 24302 as per 310	
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[] Additional Sheets Are Attached

	Date	Tota	al Time		e Since Overhaul	Engine Service and Maintenance Record
0		Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	11-28-06	علل ا	3			CHANCED CK-9 FILTER SETLUTION
				1.	1	W/ ARTS PERSHELL Obtablishall Fit
						27. 101
	ENJINE MODE 10550442 ENJINE SAN KE REG 1AC 9938 WORK ORDER 8125-12-2006 Engine En	90055 L	CITA	Fepail 45153 5 Duluth	us Design r Station No. YD Favlor Circle r, MN 5581 I · 216- 788-3101	HUBBS 63.2
	(1) Flight Melei	516 Hrs - ection on ol	d filter, no di	igine oil and screpancies	hiter p/n 50857 (noted Perform	001, serviced engine with 6 quarts of Aeroshell 15W50 engine oil. Performed ed operational and leak checks with satisfactory results. All work was accomplished
	was repaired/in	spected in a	accordance i	with current r		pancy forms. The aircraft, airframe, airgraft engine, projetter, or appliance identified the Federal Awation Administration and is approved for return to service. Pertinent essy.
	DATE: 12/28	/2006		SIGNED:	5	Work Order: 8135-12-2006
				scott Schelde entitled Repa	air Station No. Yl	Printed by EBis 3 (datcomedia.com)
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						TUBE CYC# Z. Plutp & Ball AP 7.757996
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						and ground plage (techned sincers
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						Cierus <232 inspection clecklist.
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						annual inspection and was found to
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						The 1 Ball 2757196.
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Hrs. Min. Hrs. Min. Modifications and Service Bulletins Brought Forward 1	Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
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#5-75 #6 71. CHANGED ON # FILTER SLEVKED EGTS AFRO 15-50 CJ FITTER NO DEPETS NOTED CHECKED FUEL & GIL SCREENS. CHICKED TIMING. CLEMNED PLUG. C/N TCM SID9736 NO AD TUSTIMENTS MADE AT THE TIME. I CERTEY THAT THE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL TOSPECTION AND WAS FOUND TO BE IN AIRWORTHY (CONDITION. JULIABLE MAR. 737976 ANNUAL TOSPECTION T.S. 205 COMPRESSION HI- 59 #2-964 #3.74 HU-71 #5-68 AD 2012-1013 NA ST. NOT INSPECT. COMPRESSION HI- 59 #2-964 #3.74 HU-71 #5-68 AD 2012-1013 NA NOW WITHER AND AND HAS BORD OIL & FILTER. SERVICED NOTED BOVESCOPE VALVES NO DEFECTS. CLEANED & CHERCO PLUG. I CEPTIFT THAT THIS ENGINE HAS BOEN IN SPECIED IN ACCORDANCE WITH AN ANNUAL TOSPECTION AND WAS FOOND TO BE IN AIRWORTHY		1,100					
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Date	Tota	l Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
rought Forward		→			
	1:	501 Narc lue Bell, l	issa Road Pa. 19422	Wing	Reg#: N993LL Tach: 335.4
	M M	15)646-0 lake: TCM lodel: IO 5 ngine S/N:	50 N (42)		Hobbs: 361.3
	Cirru Com Drair — timin Adju:	pression on ned & sam ng. Cleane sted idle s tify that th	Annual Insp theck (x/80) upled the oi d, gapped & et screw. vis ENGINE I	1: 61 3: 59 5 I, removed a L tested spar	leted using the Cirrus AMM checklist 5-20. :59 2: 62 4: 68 6: 58. Master Orifice reading 47. nd inspected oil filter. Checked magneto k plugs. All AD's current through 2013-16. pected IAW an Annual Inspection checklist and n.
		e Budusk 9 368613:		/r_	Bry
NO METAL NO	AND FIL	TER, FIL	TER P/N	1921 F.A.A CH48108-1 AMPLE TAI	AIR GROUP INC. I AIRPORT DRIVE AUSTIN STRAUBEL FIELD GREEN BAY, WI 54313 APPROVED REPAIR STATION CRS MZ2R023L ENGINE AND SERVICED WITH 8QTS AS 15W50, INSPECTED OLD FILTER, KEN AND SENT OUT FOR ANALYSIS. REPLACED REPLACED ENGINE GRD. RAN, LEAK CHECKED OK FOR CONTINUED SERVICE FOR CRS MZ2R023L UNDER WO# 10954



JET AIR GROUP INC.

1921 AIRPORT DRIVE AUSTIN STRAUBEL FIELD GREEN BAY, WI 54313 F.A.A. APPROVED REPAIR STATION CRS MZ2R023L

9/5/14 HOURMETER 461.5 FLIGHT HOBBS 435.6 ETSN 435.6 **ENGINE LOG S/N 690055** N993LL COMPLIED WITH THE 50/100 HR./ANNUAL INSPECTION USING THE CIRRUS SR22 SCHEDULED INSPECTION REPORT AS A GUIDE. CHANGE OIL AND FILTER, FILTER P/N CH48108-1 AND SERVICED WITH 8 QTS AS 15W50. INSPECTED OLD FILTER, NO METAL NOTED AT THIS TIME. OIL SAMPLE TAKEN AND SENT OUT FOR ANALYSIS. COMPRESSION TEST AS FOLLOWS: #1 65, #2 60, #3 70, #4 60, #5 70, #6 60 AND OVER 80. CLEANED/GAPPED/TESTED ALL SPARK PLUGS AND ROTATED. CHECKED MAG TIMING AND ADJUSTED AS REQUIRED. CLEANED AND LUBE CONTROL LINK-AGES, ENGINE GRD RAN, LEAKED AND OPS CHECKED. ALL WORK ACCOMPLISHED USING THE MANUFACTURES MAINT, MANUAL AS A GUIDE.

with a ENGINE ray been inspected in reportance with a EC/ICOHIZ inchection and a FAH B1 (De jot (I) and approved to ANNULL arried Germin undan 110 ____/ 1360



HULV, WIFAA Report Station WIZEWOZOL

JET AIR GROUP INC.

1921 AIRPORT DRIVE AUSTIN STRAUBEL FIELD GREEN BAY, WI 54313 F.A.A. APPROVED REPAIR STATION CRS MZ2R023L

4/2/15 HOBBS 537.3 FLIGHT HOBBS 511.4

ENGINE LOG

N993LL

CHANGE OIL AND FILTER, FILTER P/N CH48108-1 AND SERVICED WITH 8 QTS AS 15W50, INSPECTED OLD FILTER, NO METAL NOTED AT THIS TIME. OIL SAMPLE TAKEN AND SENT OUT FOR ANALYSIS. ENGINE GRD. RAN, LEAKED AND OPS CHECKED, OK FOR CONTINUE SERVICE. WORK ACCOMPLISHED USING THE MANUFACTURES MAINT. MANUAL AS A GUIDE.

> FOR CRS MZ2R023L **UNDER WO# 11745**

July 6th, 2015

N993LL

Bri

Cirrus SR22

S/N 2220

Flight 564.4 hours

Hobbs: 590.4 hours

Continental

IO 550 N 42

S/N 690055

Removed cowling. Reterminated #2 EGT probe. Rerouted #3 and #5 EGT probe wiring to bundle for exhaust clearance. Applied silicone RTV to air gaps in baffle seals. Removed all spark plugs and checked magneto to engine timing, found Left @ +1.7 degrees and Right @ +2.4 degrees from nominal, adjusted both to nominal of 22 degrees BTDC. Removed ignition lead springs, cleaned contacts and silicone boots, installed with new springs. Installed new Tempest URHB32S spark plugs. Replaced A/C drive grommets and bushings with new style. Adjusted low fuel pressure, idle mixture and rpm. Reinstalled cowling. Performed ground run; found satisfactory.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER, A&P/IA #2755069 **Aviation Resources, LLC** www.aviationvibes.com

715/822-5787 hangar 715/491-1303 cell iim@aviationvibes.com



910 MARIA STREET KERNER, LOUIS ANA 70062 (504) 469-6751

JET AIR CORP Attn: JOE MEGNA 1921 AIRPORT DR **AUSTIN STRAUBEL FIELD** GREEN BAY WI 54313 **United States**

Aircraft: SR22 S/N: 2220 Tail No.: N993LL

Date: 9/27/2014 Engine S/N: 690055 Engine Model: CONT. 550

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.aylab.com/explain for detailed explanation of the statistical analysis used with your laboratory results

URRENT SAMPLE	SAMPL	E APPEAR	S NORM	AL. Send nex	ct sample :	at normal int	erval.			Normal	Elevated	High
Sample Date: 9/2/2014				*** Oli	ANALY	SIS RESUL	TS IN PARTS	PER N	ILLION	***		
Analysis Date: 9/25/2014	Iron	Copper	Nickel	Chromlum	Silver	Magneslum	Aluminum	Lead	Silicon	Titanium	Tin	Moly
Sample Number: P67	37.1	5.9	10.9	7.0	7156	74.7	7.0	5451	2.5	964	< 0.1	1 165
Cylinder Type: steel	(69.1)	(7.7)	(14.1)	(10.5)	2:		(7.6)	(7070)	(5.8)	9	(0.3)	1
		08			*** FI	ILTER ANA	LYSIS RESU	LTS "	ı dı			
TSN/TSO: 435.6		Material:	Stainle			Bearing						
Oil Hours: 59.3	-		Stee	l Steel	Steel	Alloy	Copper	Silver	Magn.	Alum,	Grit	Misc
Filter Hours:		Amount:			E857							
Oil Added: 2		Type:			A4859	1 (0° 1.1)-1				V-12		
Filter Wt. (mgs):	1											
Flashpoint(deg. F):	\vdash	Form:		**								
H20 (ppm):	1	FUIII.										
Total Acid No.:												
Total Acid No.:						-1/14			W 77.			
mments:	SAMPL	E APPEAR	S NORM/	AL. Send nex	it sampie a	at normal int	erval.	golin.	i de dini	Normal	Elevated	High
mments: REVIOUS SAMPLE 1 Sample Date: 10/31/2013	SAMPLI	E APPEAR	s NORM/				erval. IS IN PARTS	PER M	ILLION '	Normal	Elevated	High
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013	SAMPL	E APPEAR	S NORM/	··· OIL	ANALY		S IN PARTS	PER M	ILLION Sillcon		Elevated	ACCESSABLES.
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77		Copper 6 7		··· OIL	ANALY	SIS RESUL	IS IN PARTS			144		ACCESSABLES.
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013	Iron	Copper	Nickel	*** OIL	ANALY:	SIS RESUL' Magnesium	S IN PARTS	Lead	Sillcon	Titanium	Tin	Moly
Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown	Iron 31.4	Copper 6 7	Nickel 8,5	*** OIL Chromlum 6.2	ANALY:	SIS RESUL' Magnesium	IS IN PARTS Aluminum	Lead 4092 (N/A)	Sillcon 4.5 (N/A)	Titanium	Tin < 0.1	Moly
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77	1ron 31.4 (N/A)	Copper 6 7 (N/A)	Nickel 8.5 (N/A)	Chromlum 6.2 (N/A)	ANALY:	SIS RESUL* Magnesium LTER ANAI Bearing	S IN PARTS Aluminum 5,7 (N/A) YSIS RESU	Lead 4092 (N/A) LTS ***	Sillcon 4.5 (N/A)	Titanium	Tin < 0.1	Moly
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown	Iron 31.4 (N/A)	6 7 (N/A)	Nickel 8,5 (N/A)	Chromlum 6.2 (N/A)	Silver	SIS RESUL Magnesium	S IN PARTS Aluminum 5,7 (N/A)	Lead 4092 (N/A)	Sillcon 4.5 (N/A)	Titanium	Tin < 0.1	Moly
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown TSN/TSO: 376.3	Iron 31.4 (N/A)	Copper 6 7 (N/A)	Nickel 8.5 (N/A)	Chromlum 6.2 (N/A)	Silver Silver	SIS RESUL* Magnesium LTER ANAI Bearing	S IN PARTS Aluminum 5,7 (N/A) YSIS RESU	Lead 4092 (N/A) LTS ***	Sillcon 4.5 (N/A)	Titanium	Tin < 0.† (N/A)	Moly
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown TSN/TSO: 376,3 Oil Hours: 40,9	Iron 31.4 (N/A)	6 7 (N/A)	Nickel 8.5 (N/A)	Chromlum 6.2 (N/A)	Silver Silver	SIS RESUL* Magnesium LTER ANAI Bearing	S IN PARTS Aluminum 5,7 (N/A) YSIS RESU	Lead 4092 (N/A) LTS ***	Sillcon 4.5 (N/A)	Titanium	Tin < 0.† (N/A)	Moly
REVIOUS SAMPLE 1 Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown TSN/TSO: 376.3 Oil Hours: 40.9 Filter Hours:	Iron 31.4 (N/A)	6 7 (N/A) Material:	Nickel 8.5 (N/A)	Chromlum 6.2 (N/A)	Silver Silver	SIS RESUL* Magnesium LTER ANAI Bearing	S IN PARTS Aluminum 5,7 (N/A) YSIS RESU	Lead 4092 (N/A) LTS ***	Sillcon 4.5 (N/A)	Titanium	Tin < 0.† (N/A)	Moly
Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown TSN/TSO: 376,3 Oil Hours: 40,9 Filter Hours: Oil Added: 2 Filter Wt. (mgs): Flashpoint(deg. F):	Iron 31.4 (N/A)	6 7 (N/A) Material: Amount:	Nickel 8.5 (N/A)	Chromlum 6.2 (N/A)	Silver Silver	SIS RESUL* Magnesium LTER ANAI Bearing	S IN PARTS Aluminum 5,7 (N/A) YSIS RESU	Lead 4092 (N/A) LTS ***	Sillcon 4.5 (N/A)	Titanium	Tin < 0.† (N/A)	Moly
Sample Date: 10/31/2013 Analysis Date: 11/8/2013 Sample Number: P77 Cylinder Type: unknown TSN/TSO: 376,3 Oil Hours: 40,9 Filter Hours: Oil Added: 2 Filter Wt. (mgs):	Iron 31.4 (N/A)	6 7 (N/A) Material:	Nickel 8.5 (N/A)	Chromlum 6.2 (N/A)	Silver Silver	SIS RESUL* Magnesium LTER ANAI Bearing	S IN PARTS Aluminum 5,7 (N/A) YSIS RESU	Lead 4092 (N/A) LTS ***	Sillcon 4.5 (N/A)	Titanium	Tin < 0.† (N/A)	Moly

July 7th, 2015

N993LL

Cirrus SR22

S/N 2220

Flight 567.8hours

Hobbs: 593.7hours

Continental

10 550 N 42

S/N 690055

Removed top cowling, removed all fuel injectors, installed GAMI nozzles IAW STC SE09963C s/n 24552. FAA form

337 this date

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER, A&P/IA #2755069

Aviation Resources, LLC www.aviationvibes.com 715/822-5787 hangar 715/491-1303 cell

jim@aviationvibes.com



JET AIR GROUP INC.

1921 AIRPORT DRIVE AUSTIN STRAUBEL FIELD GREEN BAY, WI 54313 F.A.A. APPROVED REPAIR STATION CRS MZ2R023L

SEPTEMBER 16, 2015 N993LL HOBBS: 619.7 FLIGHT: 593.8 ENGINE

COMPLIED WITH 100HR/ANNUAL INSPECTION USING CIRRUS SR22 INSPECTION PROGRAM CHECKLIST AS A GUIDE.

AD2014-05-29 S.A.P. CYLINDERS N/A BY P/N NOT INSTALLED. DRAINED ENGINE OIL AND REPLACED OIL FILTER, P/N

CH48108-1 INSTALLED. SERVICED WITH 8QTS AS15W50. INSPECTED OLD FILTER, NO CONTAMINENTS FOUND. TOOK

OIL SAMPLE AND SENT FOR ANALYSIS. COMPRESSION TEST AS FOLLOWS: 1) 70/80 2) 63/80 3) 66/80 4) 68/80 5)

66/80 6) 67/80, WITH MASTER ORFICE AT 45. CLEAN/GAPPED/TESTED/ROTATED SPARK PLUGS. COMPLIED WITH

500 HOUR INSPECTION OF LEFT AND RIGHT MAGNETO* REPLACED COMPONENTS AS REQUIRED. RE-INSTALLED

MAGNETOS AND TIMED TO ENGINE. ALL WORK WAS ACCOMPLISHED REFERENCING THE MANUFACTURERS

MANTENANCE MANUAL. ENGINE GROUND RAN, OPS AND LEAK CHECKED, AND FOUND GOOD FOR RETURN TO

SERVICE. -END-

look/Addition pocion and of AR 91 409 (A) (A) and approved for the second Dynamic Linder W/O 1225 4



JET AIR GROUP INC.

1921 AIRPORT DRIVE AUSTIN STRAUBEL FIELD GREEN BAY, WI 54313 F.A.A. APPROVED REPAIR STATION CRS MZ2R023L

OCTOBER 14, 2015 N993LL HOBBS: 644.2

REPLACED PUSH-ROD TUBE SEALS ON #2 CYLINDER. P/N'S 534610 INSTALLED, ALL WORK WAS ACCOMPLISHED REFERENCING THE MANUFACTURERS MAINTENANCE MANUAL. ENGINE WAS GROUND RAN, OPS AND LEAK CHECKED, AND FOUND GOOD FOR DETURN TO SERVICE. DETAILS UNDER W.O.# 12295. -END-

FOR JET-AIR GROUP, INC.

Date: 8/03/2016; Aircraft: N993LL; Type: CIRRUS SR22; S/N: 2220; Hobbs: 685.0; Total Time: 685.0; Engine - Type: IO-550N42, S/N: 690055, Time: 685.0; Prop - Type: PHC-J3YF-1RF, S/N: FP5170B, Time: 685.0 Hobbs Time 710.9, Flight Hobbs 685.0

Engine Work
Completed an Annual inspection in accordance with FAR 43, Appendix D. Compression test performed in accordance with TCM Standard Practice Maintenance Manual M-0, compressions as follows: #1) 74/80, #2) 68/80, #3) 70/80, #4) 76/80, #5) 70/80, #6) 64/80. Master Orifice of the day 46/80. Performed borescope inspection per TCM Standard Practice Maintenance Manual M-0, no defects noted. Cleaned, gapped and tested spark plugs. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. Aerosell 15W50 oil. Timed left and right magnetos to 22.0 degrees BTDC per manufacturer's specifications. Removed #1 fuel injection line and inspect for damage, no defects noted. Reclamped as needed. Performed ground run, operational, and teak checks - no defects noted. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Doug Seibel A&P389765035 IA Degl W 1A389765035

Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003



Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567

Бус

310 MARIA 519111 671MER 1006 ANA 7060 (584) 469-6751

JET AIR CORP Altn: BRIAN RUECHEL 1921 AIRPORT DR AUSTIN STRAUBEL FIELD GREEN BAY WI 54313 United States

Aircraft: SR22 S/N: 2220 Tail No.: N993LL Date: 9/23/2015 Engine S/N: 690055 Engine Model: CONT. 550

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.aylab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

See www.aylab.com/explain for details CURRENT SAMPLE						at normal int			<u> </u>	Normal	Elevated	High
Sample Date: 9/9/2015							TS IN PARTS	S DED A	III LION	***	FIEANIEG	rige
Analysis Date: 9/21/2015 Sample Number: P69 Cylinder Type: steel	9,5 (71,9)	3.6 (7.4)	0.2 (13.1)				Aluminum 1.8 (8.3)	Lead 3539 (6395)	Silicon 5.2	Titanlum	Tin < 0.1 (0.3)	Moly
					*** F	LTER ANAL	LYSIS RESU	LTS "	•		1800	
TSN/TSO: 593 8		Material:	Stainles	s Carbon	Alloy	Bearing	-					
Oil Hours: 82.4			Steel	Steel	Steel	Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc
Filter Hours: 82.4 Oil Added: 1	<u> </u>	Amount:										
Filter Wt. (mgs):		Type:				_						
Flashpoint(deg. F):												
H20 (ppm):		Form:								(2)		
Total Acid No.:												
Comments:												
PREVIOUS SAMPLE 1	SAMPLE	APPEAR	S NORMAL	Send next	sample a	t normal inte	rval,			Normal	Elevated	High
Sample Date: 4/2/2015							S IN PARTS	PER M	LLION *	**		i iigii
Analysis Date: 4/13/2015	Iron	Copper	Nickel			Magneslum		Lead	Silicon	Titanium	Tin	Moly.
Sample Number: P27	50.4	6.6	17.4	8,5	•	•	8.8	7183	2.7	,	0.4	
Cylinder Type: steel	(74,4)	(7.3)	(12.5)	(10.2)			(7.4)	(6868)	(5.5)		(0.3)	
T011770 507.6	<u></u>				*** FIL	TER ANAL	YSIS RESUL	.TS ***			-	
TSN/TSO: 537,3	M	aterial:	Stainless		Alfoy	Bearing						
Oil Hours: 75.8		mount:	Steel	Steel	Steel	Alloy	Copper	Silver	Magn.	Alum.	Grlt	Misc.
Filter Hours: Oil Added: 2		mount.										
Filter Wt. (mgs):	1	Type:										
Flashpoint(deg. F):												
H20 (ppm):	L	Form:										
Total Acid No.:												
omments:												_
REVIOUS SAMPLE 2	SAMPLE	APPEARS	NORMAL.	Send next	sample at	normal inter	val.			Normal E	levated 1	High
Sample Date: 9/2/2014		<u> </u>			_		IN PARTS	PER MII	LION **		P	High
Analysis Date: 9/25/2014	Iron (Соррег	Nickel C			agnesium .			Silicon	Titanlum	Tin	Moly.
Sample Number: P67	37.1	5.9	10.9	7.0		•	7.0	5451	2,5	,	< 0.1	
Cylinder Type: steel	(65.3)	(7.3)	(13.3)	(10.1)			(7.5)	(6901)	(5.6)		(0.3)	
	<u> </u>				*** FIL	TER ANALY	SIS RESUL	TS ***				
TSN/TSO; 435.6	Ma	iterial:	Stainless		Alloy	Bearing						
Oil Hours: 59.3		nount:	Steel	Steel	Steel	Alloy	Copper S	llver	Magn.	Alum.	Grit	Misc.
Filter Hours: Oil Added: 2	All	nount:										
Filter Wt. (mgs):		Type:										
Flashpoint(deg, F):		_										
		Form:										
H20 (ppm):												
H20 (ppm): Total Acid No.:												



US Department of Transportation Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

4 47 - **	Make	LUS DESI	GN	_	oep.	Model	50-22				
1. Aircraft	Serial No.)))				Nationality and Registration Mark					
		own on registration		- 4 - 7		Address (As shown on registration certificate)					
		LL AIR I			[4	Nddres	S (As shown on re	gistration	certificate)		
2. Owner	1995	LC AIR I	WC.				BLER, PA				
				3.	For FAA Use Only						
				4.	Unit Identification				5. Type		
Unit		Make			Model		Serial No	O _L	Repair	Alteration	
MRFRAME	~~~	·····	(As de	scribe	ed in Item 1 above)	****	***************************************			×	
OWERPLANT											
ROPELLER									-		
	Туре						2.2 7.1			125	
PPLIANCE	Manufacturer										
				6. Ca	nformity Statemen						
Agency's N	ame and Address	S			Kind of Agency	<u> </u>		C. Certif	icate No		
PHILLIP	BABB	_		A	U.S. Certificated Me	chanic		0. 00/111	10410 140.	<u> </u>	
רביים אליי הביים אליי	21062 RI	11.0m		<u> </u>	Foreign Certificated		nic	00	37996	_	
PERKAS	IE, PA 18	3944		Certificated Repair Station					ا ۱۳۱۸ ر	>	
				 -	Manufacturer						
		or alteration made t ance with the requir d correct to the best				bove a deral	ind described on th Aviation Regulatio	e reverse ons and the	or attachmen it the informa	ts hereto ation	
ate	120			Sign	nature of Authorize						
9-2	3-07				Philips	81	Bull				
		- 10 -			al for Return To Ser						
Pursuant to 1 Administrator	he authority give of the Federal A	en persons specifie viation Administrati	d belov on and	w, the	unit identified in APPROVED	item 4	was inspected in	the mann	er prescribe	d by the	
FAA Inspe	FIL Standards	Manufacturer	8	Inspe	ection Authorization	57 × C.167	Other (Specify)		·		
1 1	Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group					ct		
le of Approva					ature of Authorized		<u> </u>				

AIRWOLF AIRSEP INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA)

A/C Make:	CIRRUS	Model: 5R-22
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Serial#: 222.0 N#: 993LL

This Instructions for Continued Airworthiness (ICA) meets the requirements of 14 CFR Part 23 Appendix G.

PILTER COUR

AIRWORTHINESS LIMITATIONS

- 1.0 The Airworthiness Limitations Section is FAA approved and specifies maintenance required under 43.16 and 91.403 of the Federal Aviation Regulations unless an alternate program has been FAA approved.
- 2.0 An STC incorporated in a larger field approval major alteration may have an airworthiness limitation. The FAA inspector should not establish, alter, or cancel an airwothiness limitation without coordinating with the appropriate FAA Type Certificate Holding Office.

SECTION	DESCRIPTION
1.	Introduction: The Airwolf AirSep system is a passive oil recovery system. There are no moving parts within the AirSep.
2.	Description: The AirSep is a device through which the process of coolescense, allows the oil that is normally expelled out the engine breather tube into the atmosphere, to be collected within the device for recovery at which time it is then returned back into the engine for reuse.
3.	Servicing information: N/A
4.	Maintenance Instructions: Clean inside of AirSep and oil return line to engine with Stoddard Solvent, Mineral Spirits or other suitable solvent, at each annual or 100 hr. inspection. In the event of a vacuum pump failure, disassemble Air/Oil Separator, thoroughly clean it and all lines, hoses and fittings and remove any traces of vacuum pump debris. Reassemble and lightly torque top nut only enough to prevent top and bottom can from rotating and center gasket to seal to prevent any leakage.
5.	Trouble shooting information: If any oil is seeping out of center seam of AirSep can, replace center gasket and lightly torque top nut only enough to prevent further leakage which in most cases is 12 in/lb. If breather oil is found on the belly of the aircraft, check that outlet duct is located as per the above installation instructions and is not located in or near the high velocity airstream.
6.	Removal and replacement information: Refer to the above Approved Installation Instructions for the AirSep kit.
7.	Diagrams: N/A
8.	Special inspection requirements: None
9.	Application of protective treatments: N/A
10.	List of special tools: N/A
11.	Recomended overhaul periods: N/A
12.	Revision: The latest revision of this ICA can be found at www.airwolf.com

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

			_				
8.	Description of Work Accomplished (If more space is required, attach additional sheets	Idoutile	with aircraft	nationality and r	egistration ma	irk and d	late work cor
99	(If more space is required, attach additional sneets	Remory	With director	7	•	- 1	

- Installed AirWolf Filter Corp. air oil seperator S.T.C#SA02268CH PER Installation instructions AFC-W360 rel. C dated 8.28.06.
- 2. Weight and Balance records updated to reflect Charges
- All work was accomplished in accordance with the acceptable methods, techniques and practices Found in AC 43-13-16.

Additional Sheets Are Attached

1180, N. Fridge Pet. Periosio, PA 1894

Alexand Inspection Report

Inspection Performed by:

The second of th		Station:	1-8-201	0		
	named and the same	Named to 1	Naustr	_		
Absolute	S. Cong. Daniel	Countries:	CIMMEL	-0-70		
-	AG Wales	1 Model	CIRROS	212		
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		and Theorem	320	<u> </u>	Marketon L. Sandrick	
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		Inspection Report	
Make Cirrus Design	Model SR-22	Serial Number リスシュロ	Registration Number
Owner CRAIG Y		Date 11-8-2017	
Type of Inspection	ANNUAL	Operating Time 36	20.4

Note:

All references to "5-20" under the Chap-Sect column are to be understood as reference to Visual Inspection criteria defined above under Inspection Groups and Criteria.

				terval Special	Initials
1.	Operational/Functional Check Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. Make a record of all malfunctions and abnormalities for reference during the inspection. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	0 7		Fin
2.	Review compliance status with current Federal Aviation Regulations. This includes inspection of the following: - Airplane Flight Manual - Aircraft Log Book - Registration Certificate - Weight and Balance Record - FAA Airworthiness Directives - Cirrus Design Service Documents	-	o X		Fifs

	Engine Group	Chap-Sect Reference		terval Special	Initials
1.	25 Hour Inspection After first 25 hours of operation on new, rebuilt, or overhauled engine, perform complete 100-Hour Engine Inspection in accordance with the manufacturer's approved Instructions For Continued Airworthiness.			1st 25 Hrs	
2.	Engine Cowling Remove and perform visual Inspection for cracks, distortion, and loose or missing fasteners.	71-10 5-20	×		
3.	Engine Compartment Visual Inspection for leaks.	5-20	B	50 Hrs	
4.	Engine Oil Drain and change every 50 hours or 6 months, whichever occurs first.	12-10	×	50 Hrs	
5.	Oil Sump Plug Visual Inspection for condition.	5-20	18.	#	

15			E	ngine Gr	oup (Co	ntinued)		e.	Chap-Sect Reference		nterval D Special	Initials
6.	Oil Filter Perform Inspection/Check - Oil Filter Particles every 50 hours or 6 months, whichever occurs first.							12-10	8	50 Hrs		
7.	V e	oil Lines a Sual Insp Very 100 I ew, rebuil	ection for	r leaks, s i after firs	t 50 hour			cracks	5-20	50	1st 50 Hrs or 6 Mnths	¢°.
8.	c	il Cooler i lean and praid rail	perform \	/isual Ins	pection fo	or crackin	ng, bendi	ng, and gen-	5-20	®		
9.		park Plug isual Insp			corrosio	n, and de	posits.		5-20	Ø	50 Hrs	
10.	F	ngine Cor unctional oproved Ir	Inspectio	n in acco				ırer's	Refer to TCM ICA	Ø		
		Cyl# P.S.I.	1 74	3	70	2 67	175	6'7	S.			
11.	S _i	aster Orifi park Plugs spect, cle rer's appr	s an, re-ga	p and rot				manufac-	Refer to TCM ICA	X		
	Fu Int Int fac	structions	For Control of Control	tinued Air very 500 nstruction	worthine hours in a is For Co	ss. accordan ntinued A	ce with t Airworthi	s approved he manu- ness. rhaul.	Refer to TCM ICA	Ø	Internal Inspect. 500 Hrs Rplc or Ovrhl at 4 years	
	Vi: 10 Re	duction Sysual Inspe 0 hours. place at A nn 50% co	ction for Annual In	security, s	at 200 h			anliness at er is more	71-60	×	Annual, 200 Hrs, or 50% used	
1	Vis an Ev	erhauled e	ct nozzle renting eventing and engine, re with the r	s and ma very 100 l at first 10 emove an	hours. 10-Hour I d clean fi	nspectior uel injecti	on new	, rebuilt, or	5-20 Refer to TCM ICA	×	1st 100 Hrs 300 Hrs	.tl

	Engine Group (Continued)	Chap-Sect Reference		nterval Special	Initials
15	. Gascolator Fuel Filter and Bowl Perform Servicing - Gascolator	28-20	16	1st 25 Hrs 50 Hrs	
16	Fuel Pump Visual Inspection for leaks, security, and condition.	5-20	X		
17	Flexible Fuel Lines Visual Inspection for leaks, security, and condition.	5-20	X.	.2.	
18	Battery 1 Perform Electrolyte Level Check.	12-10	X		
19.	Battery Platform, Terminals, and Cables Visual Inspection for security, corrosion, and general condition.	12-10	X		
20.	Wiring Visual Inspection for damaged wiring and clamps.	5-20	XX .		
21.	Cylinder Cooling Fins Visual Inspection for cracking, bending, and general condition.	5-20	50		···
22.	Engine Baffling and Seals Visual Inspection for cracks, tears, and rips.	5-20	X		
23.	Air Intake Ducts Visual Inspection for general condition.	5-20	×	50 Hrs	-
24.	Alternate Air Door Check operation of alternate air flapper valve.	71-60	×	50 Hrs	
25.	Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers.	5-20	×		13
26.	Exhaust System Perform Inspection/Check - Exhaust System.	78-20	A	50 Hrs	
27.	Exhaust System Perform Adjustment/Test - Forward Ball Joints.	78-20	% .		
	Exhaust Muffler/Heat Exchanger Perform Inspection/Check - Heat Exchanger.	78-20	Ø,		
	Cabin Heat Box and Ducts Visual Inspection for soot, distortion, and general condition.	5-20	8		
	Breather Tube Visual Inspection for obstructions and security and no sagging of tube between clamp and baffle.	5-20	×	50 Hrs	
	Crankcase Visual Inspection for condition, leaks, and loose components.	5-20	8		
	Engine Mount Weldment Visual Inspection for weld cracks, corrosion, bending, and distortion.	5-20	X		

	Engine Group (Continued)	Chap-Sect Reference		terval Special	Initials
33.	Engine Mount Weldment and Lower Mount Attach Fittings Visual Inspection for security. Verify torque.	5-20		1st Annual, 500 Hrs, Engine Install	
34.	Engine Mount Isolators Visual Inspection for cracking, splitting, and general condition.	5-20	X		-
35.	Firewall and Seals Visual Inspection for cracks, condition, and security of attachments.	5-20	×		
36.	Alternators Visual Inspection for security and condition.	5-20	X		
37.	Alternator 1 Remove, disassemble, inspect, repair and test in accordance with the manufacturer's approved Instructions For Continued Airworthiness every 500 hours.	Refer to TCM ICA	 	500 Hrs	
38.	Alternator 2 Visual Inspection for security and condition. Perform Inspection/Check - Alternator 2.	24-30	X		
39.	Starter Visual Inspection for security and condition.	5-20	×		
40.	Master Control Unit Perform Inspection/Check - Master Control Unit.	24-30	X		
41.	Ice Protection Firewall Forward - Fluid Line, Bulkhead Fittings, Feeder Tube, Brackets, Clamps, and Proportioning Unit Visual Inspection for chafing, leaks, and security.	5-20	×		
42.	Engine Compartment Visual Inspection for loose nuts, bolts, screws, and parts.	5-20	×	50 Hrs	
43.	Air Conditioning Compressor Perform Inspection/Check - Compressor	21-50	X		
44.	Air Conditioning Compressor Perform Adjustment/Test - Compressor Drive Belt Tensioning	21-50	×		

	Propeller Group	Chap-Sect Reference		terval Special	Initials
1.	Spinner Remove, clean and perform Visual Inspection for cracks and corrosion.	5-20	X		
2.	Blades Visual Inspection for nicks, bends, cracks, gouges, erosion, and condition of tips.	5-20	X		
3.	Blades Inspect blades for radial play or movement of blade tip.	61-10	X		
4.	Blades Inspect blade tracking.	61-10	X		
5.	Propeller Assembly - Serials 0002 & subs w/ Hartzell Propeller Lubricate in accordance with the manufacturer's approved Instructions For Continued Airworthiness.		×	12 Months	
6.	Hub Visual Inspection for cracks, corrosion, leaking oil or grease.	5-20	X		
7.	Slinger Ring Assembly Perform Operational Check - Slinger Ring Assembly	30-60	X		
8.	De-Ice Propeller Boot Visual Inspection for condition and security.	5-20	X		
9.	Blade Feed Tube Perform Inspection/Check - Blade Feed Tube Orientation.	30-60	×		
10.	Slinger Ring Feed Tube Perform Inspection/Check - Slinger Ring Feed Tube Orientation.	30-60	8		

	Cabin Group	Chap-Sect Reference	1	terval Special	Initials
1.	Cabin Access Panels: All Cabin Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled.	06-00	X		
2.	Cabin Windows and Windshield Clean and Visual Inspection for cracking, crazing, and general con- dition.	5-20	×		
3.	Knobs, Switches, and Levers Visual Inspection for security, attachment and operation.	5-20	×		
4.	Cabin Heater Controls Check operation for freedom of movement.	5-20	X	<i>y</i>	
5.	Placards and Instrument Markings Visual Inspection for conformity, security, and condition.	11-20	×		

EFFECTIVITY: All

	Cabin Group (Continued)	Chap-Sect Reference		terval Special	Initials
6.	Fire Extinguisher Perform Inspection/Check for condition and weigh.	26-20	X	Monthly	
7.	Cabin Access: Remove Glareshield. Remove MFD. Remove Cabin Seats. Remove Cabin Carpet. Remove Kickplates. Remove Center Bolster Trim. Remove RH Mid-Console Trim. Remove 222 Bulkhead Interior Trim	25-10 31-60 25-10 25-10 25-10 25-10 25-10 25-10	×		
8.	Upholstery Visual Inspection for security.	5-20	×		
9.	Crew Seats Perform Inspection/Check - Crew Seats.	25-10	×		
10.	Crew Seat Harness Perform Inspection/Check - Crew Seat Harness.	25-10	A		
11.	Rear Seat Harness Perform Inspection/Check - Passenger Seat Harness.	25-10	18		
12.	Seat Belt Inertia Reels Visual Inspection for security of brackets and bolts.	5-20	X	Annual	
13.	Seat Rails and Slides Visual Inspection for condition and lubricate.	12-20	X		
14.	Instrument Panel Visual Inspection for security of lines and wiring.	5-20	X		
15.	Avionics Visual Inspection of components, wiring, and for security.	5-20	X		
16.	Outside Air Temperature Gage/Clock Battery Replace.	34-10		24 Months	
17.	Control Yokes Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in elevator or aileron input.	5-20	×		
18.	Rudder Pedals Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in rudder or aileron input.	5-20	A		
19.	Rudder Pedal Torque Tube Bracket Perform Inspection/Check - Torque Tube Gap Tolerance	27-20	Á	V	î.
20.	Brake Master Cylinders Visual Inspection for leaks and security.	5-20	×		tii
21.	Flexible Brake Lines Visual Inspection for leaks, security, and condition.	5-20	4		

Cabin Group (Continued)		Chap-Sect Reference			Initials	
22.	Parking Brake Valve and Control Cable Linkage Visual Inspection for leaks, security, chafing, and condition.	5-20	×			
23.	Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly	21-60	X	500 Hrs or 5 Years		
24.	Control Quadrant Service in accordance with AMM.	76-10		Annual		
25.	Fuel Selector Visual Inspection for operation.	5-20	প্ত			
26.	Fuel Lines, Valves, and Gages Visual Inspection for chafing, obstruction, security, and general condition.	5-20	太			
27.	Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security.	5-20	×			
28.	Door Latches Check operation of door latch mechanism.	5-20	×			
29.	Door Latches and Hinges Lubricate.	12-20	×			
30.	Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage.	5-20	ŞQ			
31.	Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	×			
32.	Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage.	5-20	X			
33.	Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage.	5-20	×			
34.	Circuit Breakers Perform Functional Check - Redundant Circuit Breakers	24-50	X			
35.	Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress.	5-20	×.			
36.	Cable Attachments, Cables, and Pulleys Visual Inspection for security, chafing, wear, and general condition.	5-20	×			
37.	Flap Actuation Motor and Attach Bracket Visual inspection for condition and security.	5-20	×			
38.	Ice Protection Proportioning Units and Plumbing Visual Inspection for chafing, leaks, security, and condition.	5-20	×			
39.	Ice Protection Filter Replace every 2 years or 1200 hours whichever occurs first.	30-05	X			

	Cabin Group (Continued)	Chap-Sect Reference	L	terval Special	Initials
40.	Ice Protection Fluid Tank, Filter, Metering Pump, Drain Block, and Drain Valve Visual Inspection for security and leaks.	12-10	X		
41.	Fuselage Drainage Holes Visual Inspection for obstructions or blockage.	5-20	×		
42.	CAPS Parachute Compartment Visual Inspection for security, leaks, and general condition.	5-20	X		,
43.	CAPS Activation Handle Mount and Cable Visual Inspection security, chafing, and wear.	5-20	9%		
44.	Magnetometer Perform Functional Test - Magnetometer Calibration.	34-20		24 Months	
45.	Emergency Locator Transmitter Functional Inspection in accordance with 14 CFR 91.207.	14 CFR 91.207	X		
46.	Altimeter Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.411. Perform Adjustment/Test - Altimeter.	14 CFR 91.411 34-10		24 Months	
47.	Transponder Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.413.	14 CFR 91.413		24 Months	
48.	Air Conditioning Evaporator Perform Inspection/Check - Evaporator	21-50	X		
49.	Air Conditioning Condenser Perform Inspection/Check - Condenser	21-50	×		
50.	Air Conditioning Lines and Hoses Visual Inspection for leaks, security, and condition.	5-20	38		
51.	Perform Operational Test - Air Conditioning System	21-50	\$		

	Radio Group	Chap-Sect Reference	Interval 100 Special	Initials
1.	Radio and Electronic Equipment Visual Inspection for proper installation, clearance, and security.	5-20	×	
2.	Wiring Visual Inspection for proper clearance, chafing, fraying, and routing.	5-20	×	
3.	Bonding and Shielding Visual Inspection for proper installation and condition.	5-20	×	9
4.	Antennas Visual Inspection for condition and security.	5-20	×	

	Fuselage and Empennage Group			terval Special	Initials
1.	Empennage Access Panels Remove Empennage Access Panels LE1, LE2, RE1, RE2, RE3.	06-00	X		
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	× A		
3.	CAPS Exit Cover Visual Inspection of perimeter for cracking or crazing, and placard condition.	5-20	Ø,		
4.	Vertical Stabilizer and Rudder Surfaces Visual Inspection for distortion, and condition.	5-20	X		
5.	Rudder System Perform Inspection/Check - Rudder System Rigging.	27-20	To		
6.	Rudder Bearings, Hinges, Horn, and Attachments Visual Inspection for security, condition, and freedom of movement.	5-20	×		
7.	Horizontal Stabilizer and Elevator Surfaces Visual Inspection for distortion, and condition.	5-20	×		
8.	Horizontal Stabilizer Access Panels and Inspection Hole Covers Visual Inspection for condition and security.	6-00 55-10	X		10)
9.	Elevator System Perform Inspection/Check - Elevator System Rigging.	27-30	X		
10.	Elevator Pitch Trim Cartridge - Serials 0002 thru 0754 Perform Servicing - Pitch Trim Cartridge Lubrication.	27-30 5/N	X		
11.	Elevator Bearings, Hinges, Horn, and Attachments Visual Inspection for wear, condition, and freedom of movement.	5-20	X		

Wing Group		Chap-Sect Reference		terval Special	Initials
1.	Wing Access Panels The following Wing Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled. • Serials 0002 thru 2333, 2335 thru 2419: LW1, LW2, LW4, LW5, LW6, LW7, LW8, LW9, LW12, LW13, LW14, LW15, LW16, and RW1, RW2, RW4, RW5, RW6, RW7, RW8, RW9, RW12, RW13, RW14, RW16. Serials 2334, 2420 & subs: LW1, LW2, LW4, LW5, LW9, LW10, LW11, LW12, LW13, and RW1, RW4, RW5, RW9, RW10, RW12, RW13.	06-00	X		
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	X		
3.	Walkway Visual Inspection for condition.	5-20	\$		
4.	Wing Leading Edge and Stall Strips Visual Inspection for foreign matter and debris.	5-20	X		
5.	Aileron Surfaces Visual Inspection for distortion, and condition.	5-20	×		
6.	Aileron Actuation Arm Visual Inspection for safetying, and condition.	5-20	×		l
7.	Wing Tips Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	57-20	Ø		
8.	Main Landing Gear Fairings Remove. Clean and perform Visual Inspection on fairings and antichafe spacers for cracking, rubbing, and general condition.	32-10	A		
9.	Aileron Hinges, Hinge Bolts, Bearings, and Attachments Visual Inspection for security, freeplay, and binding.	5-20	×		
10.	Aileron System Rigging Perform Inspection/Check - Aileron System Rigging	27-10	×		
11.	Roll Trim Access Remove LH Aileron. Remove Aileron Cove Access Panel.	57-50 06-00	×		
	Roll Trim Cartridge Visual Inspection for positive clearance between trim cartridge and actuation pulley under full range of trim motor positions. Visual Inspection for minimum rod end thread engagement of 0.313 inch (0.79 cm). Visual Inspection for proper installation of safety wires and cotter pins on all fasteners.	27-10	Ø		¥

	Wing Group (Continued)	Chap-Sect Reference		terval Special	Initials
13.	Flap Hinges, Hinge Bolts, Bearings, Rub Strips, and Attachments Visual Inspection for wear security, freeplay, and binding.	5-20	X		
14.	Flap System Perform Inspection/Check - Flap System Rigging	27-50	×		
15.	Pitot Mast and Static Lines Visual Inspection for security, condition, and obstruction.	5-20	×		
16.	Fuel Lines Visual Inspection for chafing, obstruction, security, and general condition.	5-20	×		
17.	Fuel Tank Vents Visual Inspection for condition and obstruction.	5-20	X		
18.	Fuel Cap Perform Functional Test - Fuel Cap Assembly.	28-10	×		
19.	Air Ducts, Electrical Leads, Lines, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	×		
20.	Aft Wing Attach Bracket Visual Inspection for corrosion. If corrosion evident, contact Cirrus Design for disposition. Reference 57-40 for access instructions.	5-20	×	4,6	

	Landing Gear Group	Chap-Sect Reference		terval Special	Initials
	Nose Landing Gear Fairing Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	32-20	X		
2.	Tires Visual Inspection for cuts, uneven or excessive wear, and slippage.	5-20	X		
	Tires Inspect for proper tire pressure.	12-10	X		,
4.	Brake Disk Visual Inspection for corrosion, security, and general condition.	5-20	×		
5.	Brake Linings Perform Inspection/Check - Brake Linings.	32-42	R	50 Hrs	
6.	Brake Assembly Perform Inspection/Check - Brake Assembly. Replace O-rings upon reassembly.	32-42	×		
7.	Brake Fluid Reservoir Replenish.	12-10	X	50 Hrs	
8.	Brake Lines and Hoses Visual Inspection for leaks, chafing, security, and condition.	5-20	×		<u> </u>
9.	Wheels Remove, Visual Inspection for condition, repack bearings.	32-41	X		
10.	Wheels Visual Inspection for cracks, corrosion, and broken bolts.	32-41	X	Annual	
11.	Polymer Shock Absorbing Pucks, Puck Tray, and Attach Bolts Visual Inspection of pucks for cracking or splitting. Ensure attach bolts are perpendicular to puck tray and puck stack-up is in alignment.	5-20	X		
12.	Nose Gear Assembly Perform Inspection/Check - Nose Gear Assembly	32-20	×		
13.	Main Gear Assembly Visual Inspection for condition.	5-20	×		
14.	Main Gear Strut, Attachments, and Bolts Visual Inspection for cracking, splintering, condition, and security. Verify lower strut fairing stand-off securely attached.	32-10	×		

	Return to Service	Chap-Sect Reference		terval Special	Initials
1.	Close Access: Install Main Landing Gear Fairings. Install Nose Landing Gear Fairing. Install Cabin Access Panels. Install Cabin Carpet. Install RH Mid-Console Trim. Install Center Bolster Trim. Install Kickplates. Install Kickplates. Install Glareshield. Install Glareshield. Install MFD. Install 222 Bulkhead Interior Trim. Install Empennage Access Panels. Install Wing Access Panels Install LH Aileron. Install Aileron Cove Access Panel Install Wing Tips.	32-10 32-20 06-00 25-10 25-10 25-10 25-10 31-60 25-10 06-00 57-50 06-00 57-20	8		
2.	Verify all Airworthiness Directives complied with.	14 CFR 91.403	X		
3.	Fuel Injection System Functional Inspection of Fuel Injection System in accordance with the manufacturer's approved Instructions For Continued Airworthi- ness after engine installation, every 100 hours, at annual, or fuel system component replacement.	Refer to TCM ICA	×	Engine Install, Annual, Fuel Sys Cmpnt Rplcmnt	
4.	Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	×		
5.	Install Engine Cowling	71-10	R	50 Hrs	
6.	Verify airplane papers in proper order: - Airworthiness Certificate - Registration - Operating Handbook - Weight and Balance	14 CFR 91.203	×		

Signature of Mechanic or Inspector Not required per 14 CFR § 43.11.	W/H
Certificate Number 2131996	*

FEE	ECT	TIVI	Y:	
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Pennridge Aviation Inc. 1100. N. Ridge Rd. Periosie, PA 18944

Aircraft Inspection Report

Inspection Performed by:

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	Notes		
CAL1-73 CAL2-70	Construction Test Research	CYL5-74 CYL	6-70
ELV 60 lbs RUNH 40 lbs			

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	Date:	11	10	10	"]
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DISCREPANCY SHEET

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Page ; of)

10	Actions Taken		
Discrepancy		1	
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Scheduled Inspection Report						
Make Cirrus Design	Model SR22	Serial Number	Registration Number			
Owner C. Kim m	EL	Date 11-9-0	59			
Type of Inspection	HUNUAL	Operating Time	FLT-280.1			

Note:

All references to "5-20" under the Chap-Sect column are to be understood as reference to Visual Inspection criteria defined above under Inspection Groups and Criteria.

	Pre-Inspection	Chap-Sect Reference		Initials
1.	Operational/Functional Check Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. Make a record of all malfunctions and abnormalities for reference during the inspection. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	8	B
2.	Review compliance status with current Federal Aviation Regulations. This includes inspection of the following: - Airplane Flight Manual - Aircraft Log Book - Registration Certificate - Weight and Balance Record - FAA Airworthiness Directives - Cirrus Design Service Documents	-	8	

	Engine Group	Chap-Sect Reference		iterval Special	Initials
1.	25 Hour Inspection After first 25 hours of operation on new, rebuilt, or overhauled engine, perform complete 100-Hour Engine Inspection in accordance with the manufacturer's approved Instructions For Continued Airworthiness.	*		1st 25 Hrs	B
2.	Engine Cowling Remove and perform visual Inspection for cracks, distortion, and loose or missing fasteners.	71-10 5-20	3		H)
3.	Engine Compartment Visual Inspection for leaks.	5-20	9	50 Hrs	1
4.	Engine Oil Drain and change every 50 hours or 6 months, whichever occurs first.	12-10	Š	,50 Hrs	1
5.	Oil Sump Plug Visual Inspection for condition.	5-20	Š	7	Est.

	Engine Group (Continued)	Chap-Sect Reference	interval 100 Special	Initials
6.	Oil Filter Perform Inspection/Check - Oil Filter Particles every 50 hours or 6 months, whichever occurs first.	12-10	0 50 Hrs	M
7.	Oil Lines and Fittings Visual Inspection for leaks, security, chafing, dents, and cracks every 100 hours and after first 50 hours or 6 months of operation on new, rebuilt, or overhauled engine.	5-20	O 1st 50 Hrs or 6 Mnths	B
8.	Oil Cooler Fins Clean and perform Visual Inspection for cracking, bending, and gen- eral condition.	5-20	3,	13
9.	Spark Plug Cable Leads Visual Inspection for chafing, corrosion, and deposits.	5-20	0 50 Hrs	1/2
10.	Engine Compression Functional Inspection in accordance with the manufacturer's approved Instructions For Continued Airworthiness.	Refer to TCM ICA	0	A
	Cyl# 1 3 5 2 4 6 P.S.I. 7073 70 74 70 72 70		X	
	Master Orifice Reading:			
11.	Spark Plugs Inspect, clean, re-gap and rotate in accordance with the manufacturer's approved Instructions For Continued Airworthiness.	Refer to TCM ICA	%	Phy
12.	Magneto Functional Inspect in accordance with the manufacturer's approved instructions For Continued Airworthiness. Internal Inspection every 500 hours in accordance with the manufacturer's approved Instructions For Continued Airworthiness. Replace or overhaul every 4 years since new or last overhaul.	Refer to TCM ICA	Internal Inspect. 500 Hrs Rplc or Ovrhl at 4 years	M
	Induction System Filter Visual Inspection for security, general condition, and cleanliness at 100 hours. Replace at Annual Inspection, at 200 hours, or when filter is more than 50% covered by foreign material.	71-60	Annual, 200 Hrs, or 50% used	M
	Fuel Injection Nozzles Visual Inspect nozzles and manifold valve for fuel stains, security, and proper venting every 100 hours. Every 300 hours and at first 100-Hour Inspection on new, rebuilt, or overhauled engine, remove and clean fuel injection nozzles in accordance with the manufacturer's approved Instructions For Coninued Airworthiness.	5-20 Refer to TCM ICA	1st 100 Hrs 300 Hrs	My

	Engine Group (Continued)	Chap-Sect Reference	1	terval Special	Initials
15.	Gascolator Fuel Filter and Bowl Perform Servicing - Gascolator	28-20	×	1st 25 Hrs 50 Hrs	M
16.	Fuel Pump Visual Inspection for leaks, security, and condition.	5-20	Ý		M
17.	Flexible Fuel Lines Visual Inspection for leaks, security, and condition.	5-20 <	2		B
18.	Battery 1 Perform Electrolyte Level Check.	12-10	Z		Pa
19.	Battery Platform, Terminals, and Cables Visual Inspection for security, corrosion, and general condition.	12-10	2		My
20.	Wiring Visual Inspection for damaged wiring and clamps.	5-20	8		1
21.	Cylinder Cooling Fins Visual Inspection for cracking, bending, and general condition.	5-20	0		10
22.	Engine Baffling and Seals Visual Inspection for cracks, tears, and rips.	5-20	19	/	19
23.	Air Intake Ducts Visual Inspection for general condition.	5-20	X	50 Hrs	M
24.	Alternate Air Door Check operation of alternate air flapper valve.	71-60 (2	50 Hrs	h
25.	Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers.	5-20	L		b
26.	Exhaust System Perform Inspection/Check - Exhaust System.	78-20 <	%	50 Hrs	16
27.	Exhaust System Perform Adjustment/Test - Forward Ball Joints.	78-20 🗸	20	1	13
28.	Exhaust Muffler/Heat Exchanger Perform Inspection/Check - Heat Exchanger.	78-20	8		B
29.	Cabin Heat Box and Ducts Visual Inspection for soot, distortion, and general condition.	5-20 \	8		11)
	Breather Tube Visual Inspection for obstructions and security and no sagging of tube between clamp and baffle.	5-20	2	50 Hrs	13
	Crankcase Visual Inspection for condition, leaks, and loose components.	5-20	8	l.	M
	Engine Mount Weldment Visual Inspection for weld cracks, corrosion, bending, and distortion.	5-20	X		B

	Engine Group (Continued)	Chap-Sect Reference		terval Special	Initials
33.	Engine Mount Weldment and Lower Mount Attach Fittings Visual Inspection for security. Verify torque.	5-20	ß	1st Annual, 500 Hrs, Engine Install	M
34.	Engine Mount Isolators Visual Inspection for cracking, splitting, and general condition.	5-20	18	925	A
35.	Firewall and Seals Visual Inspection for cracks, condition, and security of attachments.	5-20	×	,	
36.	Alternators Visual Inspection for security and condition.	5-20	2	-	
37.	Alternator 1 Remove, disassemble, inspect, repair and test in accordance with the manufacturer's approved Instructions For Continued Airworthiness every 500 hours.	Refer to TCM ICA	X	500 Hrs	M
38.	Alternator 2 Visual Inspection for security and condition. Perform Inspection/Check - Alternator 2.	24-30	°)	A	M
39.	Starter Visual Inspection for security and condition.	5-20	X		13
40.	Master Control Unit Perform Inspection/Check - Master Control Unit.	24-30	X		19
41.	Ice Protection Firewall Forward - Fluid Line, Bulkhead Fittings, Feeder Tube, Brackets, Clamps, and Proportioning Unit Visual Inspection for chafing, leaks, and security.	5-20	2		B
42.	Engine Compartment Visual Inspection for loose nuts, bolts, screws, and parts.	5-20	X	50 Hrs	Hazo
43.	Air Conditioning Compressor Perform Inspection/Check - Compressor	21-50	8		12
44.	Air Conditioning Compressor Perform Adjustment/Test - Compressor Drive Belt Tensioning	21-50	Ø	1	12

	Propeller Group	Chap-Sect Reference		nterval Special	Initials
1.	Spinner Remove, clean and perform Visual Inspection for cracks and corrosion.	5-20	0. L	1	
2.	Blades Visual Inspection for nicks, bends, cracks, gouges, erosion, and condition of tips.	5-20	2	/	
3.	Blades Inspect blades for radial play or movement of blade tip.	61-10	0/		121
4.	Blades Inspect blade tracking.	61-10	S.	. 1)
5.	Propeller Assembly - Serials 0002 & subs w/ Hartzell Propeller Lubricate in accordance with the manufacturer's approved Instructions For Continued Airworthiness.		0	12 Months	19
6.	Hub Visual Inspection for cracks, corrosion, leaking oil or grease.	5-20	2	2	117
7.	Slinger Ring Assembly Perform Operational Check - Slinger Ring Assembly	30-60	No.	-	16
8.	De-Ice Propeller Boot Visual Inspection for condition and security.	5-20	2		1/2
9.	Blade Feed Tube Perform Inspection/Check - Blade Feed Tube Orientation.	30-60	0		111
10.	Slinger Ring Feed Tube Perform Inspection/Check - Slinger Ring Feed Tube Orientation.	30-60	2	2	M

	Cabin Group	Chap-Sect Reference		erval Special	Initials
1.	Cabin Access Panels: All Cabin Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled.	06-00	0/		p
2.	Cabin Windows and Windshield Clean and Visual Inspection for cracking, crazing, and general condition.	5-20	2	/	113
3.	Knobs, Switches, and Levers Visual Inspection for security, attachment and operation.	5-20	2	7	M
4.	Cabin Heater Controls Check operation for freedom of movement.	5-20	2		19
5.	Placards and Instrument Markings Visual Inspection for conformity, security, and condition.	11-20	9	_	he

	Cabin Group (Continued)	Chap-Sect Reference		nterval Special	Initials
6.	Fire Extinguisher Perform Inspection/Check for condition and weigh.	26-20	3	Monthly	Will
7.	Cabin Access: Remove Glareshield. Remove MFD. Remove Cabin Seats. Remove Cabin Carpet. Remove Kickplates. Remove Center Bolster Trim. Remove RH Mid-Console Trim. Remove 222 Bulkhead Interior Trim	25-10 31-60 25-10 25-10 25-10 25-10 25-10 25-10	9	/	
8.	Upholstery Visual Inspection for security.	5-20	200		123
9.	Crew Seats Perform Inspection/Check - Crew Seats.	25-10	X	,	My
10.	Crew Seat Harness Perform Inspection/Check - Crew Seat Harness.	25-10	9	/	1/15
11.	Rear Seat Harness Perform Inspection/Check - Passenger Seat Harness.	25-10	Z	/	15
12.	Seat Belt Inertia Reels Visual Inspection for security of brackets and bolts.	5-20	7	Annual	111
13.	Seat Rails and Slides Visual Inspection for condition and lubricate.	12-20	2		W.S
14.	Instrument Panel Visual Inspection for security of lines and wiring.	5-20	<u>,</u>	1	M
15.	Avionics Visual Inspection of components, wiring, and for security.	5-20	2		MS
16.	Outside Air Temperature Gage/Clock Battery Replace.	34-10		24 Months	M
17.	Control Yokes Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in elevator or alleron input.	5-20	0,	1/	B
18.	Rudder Pedals Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in rudder or aileron input.	5-20	Ž	1	6
	Rudder Pedal Torque Tube Bracket Perform Inspection/Check - Torque Tube Gap Tolerance	27-20	2		n
20.	Brake Master Cylinders Visual Inspection for leaks and security.	5-20	0		B
21.	Flexible Brake Lines Visual Inspection for leaks, security, and condition.	5-20	0		J" J

05-20 Page 8

EFFECTIVITY:

	Cabin Group (Continued)		Interval 100 Special		Initials
22.	Parking Brake Valve and Control Cable Linkage Visual Inspection for leaks, security, chafing, and condition.	5-20	<i>%</i>		B
23.	Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly	21-60		500 Hrs or 5 Years	
24.	Control Quadrant Service in accordance with AMM.	76-10	X	Annual	B
25.	Fuel Selector Visual Inspection for operation.	5-20	8		K
26.	Fuel Lines, Valves, and Gages Visual Inspection for chafing, obstruction, security, and general con- dition.	5-20	00		p
27.	Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security.	5-20	03		Pan
28.	Door Latches Check operation of door latch mechanism.	5-20	8		A
29.	Door Latches and Hinges Lubricate.	12-20	8		19
30.	Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage.	5-20	8	li.	B
31.	Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	Ž	- /	B
32.	Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage.	5-20	X		19
33.	Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage.	5-20	2		183
34.	Circuit Breakers Perform Functional Check - Redundant Circuit Breakers	24-50	9.		1
35.	Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress.	5-20	4		B
36.	Cable Attachments, Cables, and Pulleys Visual Inspection for security, chafing, wear, and general condition.	5-20	2		B
37.	Flap Actuation Motor and Attach Bracket Visual inspection for condition and security.	5-20	%	F	15
38.	Ice Protection Proportioning Units and Plumbing Visual Inspection for chafing, leaks, security, and condition.	5-20	40		B
39.	Ice Protection Filter Replace every 2 years or 1200 hours whichever occurs first.	30-05	9	/	B

	Cabin Group (Continued)	Chap-Sect Reference	1	iterval Special	Initials
40.	Ice Protection Fluid Tank, Filter, Metering Pump, Drain Block, and Drain Valve Visual Inspection for security and leaks.	12-10	0,	,	12
41.	Fuselage Drainage Holes Visual Inspection for obstructions or blockage.	5-20	9/	4	11)
42.	CAPS Parachute Compartment Visual Inspection for security, leaks, and general condition.	5-20	9	=	
43.	CAPS Activation Handle Mount and Cable Visual Inspection security, chafing, and wear.	5-20	2		M
44.	Magnetometer Perform Functional Test - Magnetometer Calibration.	34-20	4	24 Months	100
45.	Emergency Locator Transmitter Functional Inspection in accordance with 14 CFR 91.207.	14 CFR 91.207	0,		13
46.	Altimeter Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.411. Perform Adjustment/Test - Altimeter.	14 CFR 91.411 34-10	Ê	24 7 Months	
47.	Transponder Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.413.	14 CFR 91.413	رک	24 Months	
48.	Air Conditioning Evaporator Perform Inspection/Check - Evaporator	21-50	297		10
49.	Air Conditioning Condenser Perform Inspection/Check - Condenser	21-50	2	=1 E	167
50.	Air Conditioning Lines and Hoses Visual Inspection for leaks, security, and condition.	5-20	9	/	1
51.	Perform Operational Test - Air Conditioning System	21-50	2	J	100

	Radio Group	Chap-Sect Reference	Interval 100 Special	Initials
1.	Radio and Electronic Equipment Visual Inspection for proper installation, clearance, and security.	5-20	<u> </u>	09
2.	Wiring Visual Inspection for proper clearance, chafing, fraying, and routing.	5-20	2	16/
3.	Bonding and Shielding Visual Inspection for proper installation and condition.	5-20	9	M
4.	Antennas Visual Inspection for condition and security.	5-20	2	jen

	Fuselage and Empennage Group	Chap-Sect Reference	1	terval Special	Initials
1.	Empennage Access Panels Remove Empennage Access Panels LE1, LE2, RE1, RE2, RE3.	06-00	2		M
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	Ÿ.		MA
3.	CAPS Exit Cover Visual Inspection of perimeter for cracking or crazing, and placard condition.	5-20	×		A.
4.	Vertical Stabilizer and Rudder Surfaces Visual Inspection for distortion, and condition.	5-20	Ŕ		D
5.	Rudder System Perform Inspection/Check - Rudder System Rigging.	27-20	2		B
6.	Rudder Bearings, Hinges, Horn, and Attachments Visual Inspection for security, condition, and freedom of movement.	5-20	2		B)
7.	Horizontal Stabilizer and Elevator Surfaces Visual Inspection for distortion, and condition.	5-20	Z		B.
8.	Horizontal Stabilizer Access Panels and Inspection Hole Covers Visual Inspection for condition and security.	6-00 55-10	D		B
9.	Elevator System Perform Inspection/Check - Elevator System Rigging.	27-30	10		13
10.	Elevator Pitch Trim Cartridge - Serials 0002 thru 0754 Perform Servicing - Pitch Trim Cartridge Lubrication.	27-30 -	Z		1/7
11.	Elevator Bearings, Hinges, Horn, and Attachments Visual Inspection for wear, condition, and freedom of movement.	5-20	0		K

	Wing Group (Continued)	Chap-Sect Reference	1	nterval Special	Initials
13.	Flap Hinges, Hinge Bolts, Bearings, Rub Strips, and Attachments Visual Inspection for wear security, freeplay, and binding.	5-20	2	/	
14.	Flap System Perform Inspection/Check - Flap System Rigging	27-50	2		No.
15.	Pitot Mast and Static Lines Visual Inspection for security, condition, and obstruction.	5-20	8		M
16.	Fuel Lines Visual Inspection for chafing, obstruction, security, and general condition.	5-20	°	l)	M
17.	Fuel Tank Vents Visual Inspection for condition and obstruction.	5-20	2		A
18.	Fuel Cap Perform Functional Test - Fuel Cap Assembly.	28-10	D		9
19.	Air Ducts, Electrical Leads, Lines, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	, Q	-/	M
20.	Aft Wing Attach Bracket Visual Inspection for corrosion. If corrosion evident, contact Cirrus Design for disposition. Reference 57-40 for access instructions.	5-20	S		1/5

	Landing Gear Group	Chap-Sect Reference		terval Special	Initials
1.	Nose Landing Gear Fairing Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	32-20	0	/	B
2.	Tires Visual Inspection for cuts, uneven or excessive wear, and slippage.	5-20	2.		
3.	Tires Inspect for proper tire pressure.	12-10	2		15
4.	Brake Disk Visual Inspection for corrosion, security, and general condition.	5-20	25		M
5.	Brake Linings Perform Inspection/Check - Brake Linings.	32-42	3	50 Hrs	
6.	Brake Assembly Perform Inspection/Check - Brake Assembly. Replace O-rings upon reassembly.	32-42	9		
7.	Brake Fluid Reservoir Replenish.	12-10	8	50 Hrs	
8.	Brake Lines and Hoses Visual Inspection for leaks, chafing, security, and condition.	5-20	8		10
9.	Wheels Remove, Visual Inspection for condition, repack bearings.	32-41	2		
10.	Wheels Visual Inspection for cracks, corrosion, and broken bolts.	32-41	2	Annual	
11.	Polymer Shock Absorbing Pucks, Puck Tray, and Attach Bolts Visual Inspection of pucks for cracking or splitting. Ensure attach bolts are perpendicular to puck tray and puck stack-up is in alignment.	5-20	<i>></i>	/	
12.	Nose Gear Assembly Perform Inspection/Check - Nose Gear Assembly	32-20	2	ś.	1
13.	Main Gear Assembly Visual Inspection for condition.	5-20	0		16
14.	Main Gear Strut, Attachments, and Bolts Visual Inspection for cracking, splintering, condition, and security. Verify lower strut fairing stand-off securely attached.	32-10	° >		(6)

	Return to Service	Chap-Sect Reference		terval Special	Initials
7	Close Access: Install Main Landing Gear Fairings. Install Nose Landing Gear Fairing. Install Cabin Access Panels. Install Cabin Carpet. Install RH Mid-Console Trim. Install Center Bolster Trim. Install Kickplates. Install Kickplates. Install Glareshield. Install Glareshield. Install MFD. Install 222 Bulkhead Interior Trim. Install Empennage Access Panels. Install Wing Access Panels Install LH Aileron. Install Aileron Cove Access Panel Install Wing Tips.	32-10 32-20 06-00 25-10 25-10 25-10 25-10 31-60 25-10 06-00 06-00 57-50 06-00 57-20	0		
2.	Verify all Airworthiness Directives complied with.	14 CFR 91.403	8		
3.	Fuel Injection System Functional Inspection of Fuel Injection System in accordance with the manufacturer's approved Instructions For Continued Airworthiness after engine installation, every 100 hours, at annual, or fuel system component replacement.	Refer to TCM ICA	8	Engine Install, Annual, Fuel Sys Cmpnt Rplcmnt	
4.	Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	4	Ü	B
5.	Install Engine Cowling	71-10	2	50 Hrs	p
6.	Verify airplane papers in proper order: - Airworthiness Certificate - Registration - Operating Handbook - Weight and Balance	14 CFR 91.203	°		

Signature of Mechanic or Inspector Not required per 14 CFR § 43.11.	
Certificate Number	

Pennridge Aviatiion Inc. 1100. N. Ridge Rd. Perkasie, PA 18944

Aircraft Inspection Report

nspection Performed by:	
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Date:	10-23-08
Aircraft Registration Number:	N993LL
Owner:	C. KIMMEL
AC Make / Model:	Cirrus SR-22
AC Serial Number:	2770
Tach Time:	
Hobbs Time:	1661 L1986
Aircraft Total Time:	768.1
Engine Make / Model:	10-55U-N
Engine Serial Number:	
Engine Time Since Overhaul:	* ·
Engine Total Time:	268.1
Type of Inspection:	Annual X 100 Hr
Time Since Last Inspection:	69.3
ELT Battery Due:	MARCH 2013

Notes

187	Compression Test Results:							
CYL 1-7/	CYL 2 - 84.	CYL 3 - 775	CYL4-74 CYL5-70 CYL6-71					
		74		_				
			2					
15								

. : = '	Engine Group (Continued)			terval Special	Initials
15.	Gascolator Fuel Filter and Bowl Perform Servicing - Gascolator	28-20	8	1st 25 Hrs 50 Hrs	PKI
16.	Fuel Pump Visual Inspection for leaks, security, and condition.	5-20	8		My
17.	Flexible Fuel Lines Visual Inspection for leaks, security, and condition.	5-20	8		PB
18.	Battery 1 Perform Electrolyte Level Check.	12-10	0		
19.	Battery Platform, Terminals, and Cables Visual Inspection for security, corrosion, and general condition.	12-10	8		14
20.	Wiring Visual Inspection for damaged wiring and clamps.	5-20	3	<u> </u>	PB
21.	Cylinder Cooling Fins Visual Inspection for cracking, bending, and general condition.	5-20	8	_	11/3
22.	Engine Baffling and Seals Visual Inspection for cracks, tears, and rips.	5-20	V		m
23.	Air Intake Ducts Visual Inspection for general condition.	5-20	% X	50 Hrs	PB
24.	Alternate Air Door Check operation of alternate air flapper valve.	71-60	3	50 Hrs	PB
25.	Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers.	- 5-20 -	×	=	Fry
26.	Exhaust System Perform Inspection/Check - Exhaust System.	78-20	8	50 Hrs	Pyr
27.	Exhaust System Perform Adjustment/Test - Forward Ball Joints.	78-20	9		14
28.	Exhaust Muffler/Heat Exchanger Perform Inspection/Check - Heat Exchanger.	78-20	8		Ph
29.	Cabin Heat Box and Ducts Visual Inspection for soot, distortion, and general condition.	5-20	X		PH
30.	Breather Tube Visual Inspection for obstructions and security and no sagging of tube between clamp and baffle.	5-20	Ø	50 Hrs	PER
31.	Crankcase Visual Inspection for condition, leaks, and loose components.	5-20	0		jsji
32	Engine Mount Weldment Visual Inspection for weld cracks, corrosion, bending, and distortion.	5-20	2		M

	Propeller Group	Chap-Sect Reference		terval Special	Initials
1.	Spinner Remove, clean and perform Visual Inspection for cracks and corrosion.	5-20	8		PH
2.	Blades Visual Inspection for nicks, bends, cracks, gouges, erosion, and condition of tips.	5-20	7		PSI
3.	Blades Inspect blades for radial play or movement of blade tip.	61-10	ÿ		PB
4.	Blades Inspect blade tracking.	61-10	8		PZB
5.	Propeller Assembly - Serials 0002 & subs w/ Hartzell Propeller Lubricate in accordance with the manufacturer's approved Instructions For Continued Airworthiness.		0	12 Months	Pa
6.	Hub Visual Inspection for cracks, corrosion, leaking oil or grease.	5-20	0		RH
7.	Slinger Ring Assembly Perform Operational Check - Slinger Ring Assembly	30-60	9		1867
8.	De-Ice Propeller Boot Visual Inspection for condition and security.	5-20	9		W
9.	Blade Feed Tube Perform Inspection/Check - Blade Feed Tube Orientation.	30-60	9		PSN
10.	Slinger Ring Feed Tube Perform Inspection/Check - Slinger Ring Feed Tube Orientation.	30-60	8		fla

	Cabin Group	Chap-Sect Reference		terval Special	Initials
1.	Cabin Access Panels: All Cabin Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled.	06-00	° X	1	BI
2.	Cabin Windows and Windshield Clean and Visual Inspection for cracking, crazing, and general condition.	5-20	8		M
3.	Knobs, Switches, and Levers Visual Inspection for security, attachment and operation.	5-20	8		PK.
4.	Cabin Heater Controls Check operation for freedom of movement.	5-20	8	7.	PHD
5.	Placards and Instrument Markings Visual Inspection for conformity, security, and condition.	11-20	8		PLP

	Cabin Group (Continued)	Chap-Sect Reference		terval Special	Initials
22.	Parking Brake Valve and Control Cable Linkage Visual Inspection for leaks, security, chafing, and condition.	5-20	8		pm
23.	Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly	21-60		500 Hrs or 5 Years	
24.	Control Quadrant Service in accordance with AMM.	76-10	8	Annual	Pr
25.	Fuel Selector Visual Inspection for operation.	5-20	×		PSN
26.	Fuel Lines, Valves, and Gages Visual Inspection for chafing, obstruction, security, and general con- dition.	5-20	8	1	1-M
27.	Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security.	5-20	8		BO
28.	Door Latches Check operation of door latch mechanism.	5-20	B		Kh
29.	Door Latches and Hinges Lubricate.	12-20	8	17	Ry
30.	Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage.	5-20	Ø		Pep
31.	Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	×	/	Ky
32.	Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage.	5-20	Y		Pop
33.	Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage.	5-20	18		13/
34.	Circuit Breakers Perform Functional Check - Redundant Circuit Breakers	24-50	8		BA
35.	Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress.	5-20	3		Pub
36.	Cable Attachments, Cables, and Pulleys Visual Inspection for security, chafing, wear, and general condition.	5-20	M		pm
37.	Flap Actuation Motor and Attach Bracket Visual inspection for condition and security.	5-20	Ø		PHO
38.	Ice Protection Proportioning Units and Plumbing Visual Inspection for chafing, leaks, security, and condition.	5-20	100	-	PLAN
39.	Ice Protection Filter Replace every 2 years or 1200 hours whichever occurs first.	30-05	Ø		M

	Fuselage and Empennage Group	Chap-Sect Reference	Interval 100 Special	Initials
1.	Empennage Access Panels Remove Empennage Access Panels LE1, LE2, RE1, RE2, RE3.	06-00	8	PSI
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	8	PSA
3.	CAPS Exit Cover Visual Inspection of perimeter for cracking or crazing, and placard condition.	5-20	9	PM
4.	Vertical Stabilizer and Rudder Surfaces Visual Inspection for distortion, and condition.	5-20	Ø	PA
5.	Rudder System Perform Inspection/Check - Rudder System Rigging.	27-20	9	PSF
6.	Rudder Bearings, Hinges, Horn, and Attachments Visual Inspection for security, condition, and freedom of movement.	5-20	Ø	141
7.	Horizontal Stabilizer and Elevator Surfaces Visual Inspection for distortion, and condition.	5-20	9	PM
8.	Horizontal Stabilizer Access Panels and Inspection Hole Covers Visual Inspection for condition and security.	6-00 55-10	>	Par
9.	Elevator System Perform Inspection/Check - Elevator System Rigging.	27-30		Pap
10.	Elevator Pitch Trim Cartridge - Serials 0002 thru 0754 Perform Servicing - Pitch Trim Cartridge Lubrication.	27-30	Ø .	Port
11.	Elevator Bearings, Hinges, Horn, and Attachments Visual Inspection for wear, condition, and freedom of movement.	5-20		PH

	Wing Group (Continued)	Chap-Sect Reference	Interva 100 Spe		Initials
13.	Flap Hinges, Hinge Bolts, Bearings, Rub Strips, and Attachments Visual Inspection for wear security, freeplay, and binding.	5-20	Ø		By
14.	Flap System Perform Inspection/Check - Flap System Rigging	27-50	19		BZA
15.	Pitot Mast and Static Lines Visual Inspection for security, condition, and obstruction.	5-20	8	,	PRA
16.	Fuel Lines Visual Inspection for chafing, obstruction, security, and general condition.	5-20	Ja J	/	PH
17.	Fuel Tank Vents Visual Inspection for condition and obstruction.	5-20	8		PH
18.	Fuel Cap Perform Functional Test - Fuel Cap Assembly.	28-10	ŽŠ .	,	PH
19.	Air Ducts, Electrical Leads, Lines, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	28		M
20.	Aft Wing Attach Bracket Visual Inspection for corrosion. If corrosion evident, contact Cirrus Design for disposition. Reference 57-40 for access instructions.	5-20	À		/y

	Return to Service	Chap-Sect Reference		terval Special	Initials
1.	Close Access: Install Main Landing Gear Fairings. Install Nose Landing Gear Fairing. Install Cabin Access Panels. Install Cabin Carpet. Install RH Mid-Console Trim. Install Center Bolster Trim. Install Kickplates. Install Kickplates. Install Glareshield. Install MFD. Install 222 Bulkhead Interior Trim. Install Empennage Access Panels. Install Wing Access Panels Install LH Aileron. Install Aileron Cove Access Panel Install Wing Tips.	32-10 32-20 06-00 25-10 25-10 25-10 25-10 31-60 25-10 06-00 06-00 57-50 06-00 57-20	8		My
2.	Verify all Airworthiness Directives complied with.	14 CFR 91.403	Ø		PM
3.	Fuel Injection System Functional Inspection of Fuel Injection System in accordance with the manufacturer's approved Instructions For Continued Airworthi- ness after engine installation, every 100 hours, at annual, or fuel system component replacement.	Refer to TCM ICA	Ø	Engine Install, Annual, Fuel Sys Cmpnt Rplcmnt	fM.
4.	Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	Ø	-	jOZA
5.	Install Engine Cowling	71-10	8	50 Hrs	15/
6.	Verify airplane papers in proper order: - Airworthiness Certificate - Registration - Operating Handbook - Weight and Balance	14 CFR 91.203	X		MZJ

Signature of Mechanic or Inspector Mth. 1984	
Not required per 14 CFR § 43.11.	
Certificate Number 2737996	
Certificate Number <u>1737996</u>	

	Operational Inspection Report	Chk'd	Notes
1.	Flight Controls Check for full range of travel and excessive friction. Visual Inspection for obstructions.	X	PM
2.	Engine Controls Check full range of motion without any obstruction or excessive friction to travel. Power lever should provide a slight resistance at detents and have positive clearance to the console slot in both the full forward and full aft positions.	8	
3.	Battery 2 Master Switch When switch is toggled ON the following should occur: Serials 0002 thru 0434, 0435 thru 0820 w/o PFD: a. Voltmeter indicates at least 24 voits on battery 2. b. ALT 1 and ALT 2 Caution lights illuminate. c. Flap position light off. d. Attitude gyro low voltage flag hidden. e. HSI HDG flag hidden within five minutes. f. Turn Coordinator low voltage flag hidden. g. Autopilot ready indication after gyro spool up. Serials 0435 thru 0820 w/ PFD, 0821 thru 1601, 1603 thru 1643, 1645 thru 1662: a. Voltmeter indicates at least 24 volts on battery 2. b. ALT 1 and ALT 2 Caution lights illuminate. c. Flap position light off. d. Autopilot ready indication after gyro spool up. e. PFD aligned within five minutes with no error messages. f. Standby attitude gyro aligned within five minutes. Serials 1602, 1644, 1663 & subs: a. PFD indicates at least 24 volts on Essential Bus. b. ALT 2 Caution light illuminates. c. Flap position light off. d. Autopilot ready indication on both PFD and flight guidance programmer/computer after gyro spool up. e. PFD aligned within five minutes with no error messages. f. Standby attitude gyro aligned within five minutes.		

05-30 Page 2

	Operational Inspection Report (Continued)	Chk'd	Notes
4.	Battery 1 Master Switch When switch is toggled ON the following should occur:		
84	Serials 0002 thru 0434, 0435 thru 0820 w/o PFD: a. ALT 1 and ALT 2 fail lights should be on. b. Flap position light illuminates. c. Engine instruments operational, MAP gage should indicate approximately the altimeter setting. d. Ammeter select switch should show slight discharge when battery selected.		_ ·
	Serials 0435 thru 0820 w/ PFD, 0821 thru 1601, 1603 thru 1643, 1645 thru 1662: a. ALT 1 and ALT 2 fail lights should be on. b. Flap position light illuminates. c. Engine instruments operational, MAP gage should indicate approximately the altimeter setting. d. Ammeter select switch should show slight discharge when battery selected. e. Turn battery 2 to the off position and verify PFD remains functional. f. Verify voltmeter indicates at least 24 volts on battery 1.		
	Serials 1602, 1644, 1663 & subs: a. ALT 1 and ALT 2 fail lights should be on. b. Flap position light illuminates. c. Engine parameters on PFD are operational, MAP display should indicate approximately the altimeter setting. d. Turn battery 2 to the off position and verify PFD remains functional e. Verify PFD indicates at least 24 volts on Main Bus.		24.2 V/ts
5.	Pitot Heater Set PITOT HEAT switch to ON position and verify pitot tube heat.	Y	
6.	Ice Protection System Porous Panels Set ice protection switch to the MAXIMUM position and verify evidence of de-icing fluid from porous panels.	1	
7.	Start Engine (Refer to POH Section 4) Starter spins propeller rapidly without slipping or dragging. Set engine speed at 1000 RPM.	1	/
8.	Oil Pressure Indicates in the green arc within 30 seconds. If extremely cold, oil pressure may be in yellow arc for one to two minutes.		
9.	Flaps Operate through full extension and retraction for steady and complete deployment. Flap position light illuminates at the retracted, 50%, and 100% positions.		
10.	Trim Controls Aileron trim functions fully left and right without rudder movement caused by the rudder-aileron interconnect. Check for full range of travel and excessive friction.		*

	Operational Inspection Report (Continued)	Chk'd	Notes
11.	Altimeter Indicates within 50 feet of field elevation when set to correct barometric pressure setting.	7	
12.	Vertical Speed Indicator Indicates zero.	1	
13.	Communications a. Verify all four headset jacks operate properly. b. Music is muted during transmissions and receptions. c. Verify the communications capability on both the high and low ends of the VHF COM band.	4.	
14.	Lighting Verify lighting controls, avionics light sensors and lights operate properly:		
	 Serials 0002 thru 0434, 0435 thru 0820 w/o PFD: a. Landing light. b. Navigation lights c. Anticollision lights d. Instrument backlighting: ASI, AH, VSI, DG, CDI, Clock, Altimeter, Turn Coordinator, and engine instrumentation. e. Avionics brightness: Audio Panel, GPS/COM/NAV 1 & GPS/COM 2, Transponder, and optional avionics. f. MFD, HSI brightness 		
	Serials 0435 thru 0820 w/ PFD, 0821 thru 1601, 1603 thru 1643, 1645 thru 1662: a. Landing light. b. Navigation lights c. Anticollision lights d. Instrument backlighting: ASI, AH, Altimeter, and engine instrumentation. e. Avionics brightness: Audio Panel, GPS/COM/NAV 1 & GPS/COM 2, Transponder, and optional avionics. f. PFD, MFD display and bezel key brightness.		
	Serials 1602, 1644, 1663 & subs: a. Landing light. b. Navigation lights c. Anticollision lights d. Instrument backlighting: ASI, AH, and Altimeter. e. Avionics brightness: Audio Panel, GPS/COM/NAV 1 & GPS/COM 2, Transponder, and optional avionics f. PFD, MFD display and bezel key brightness.	/	
	Alternator 1 Load Increase RPM to 1000. Check that LOW VOLT light is off. Ammeter indication shows no current discharge with full avionics, landing light, pitot heat, and navigation lights operating.		27.8 V/35A

	Operational Inspection Report (Continued)	Chk'd	Notes
16.	Magneto RPM Drop Decrease RPM to 1700. Check that a 0 to 100 RPM drop occurs while operating on one magneto and no more than a 50 RPM drop difference between left and right magnetos. Reduce RPM to 1000.		1-50 B-50
17.	Fuel Selector Valve Move selector to RIGHT and LEFT positions. Verify fuel flow.	6	
18.	Alternate Induction Air Pull alternate induction air knob. Engine RPM and MAP should show a slight drop.	1	30/15/1hg
19.	Alternator 2 Load Increase RPM to 2000. Check that LOW VOLT light is off. Ammeter indication shows no current discharge with full load applied to essential bus.	1	5~.
20.	Engine Full Power Advance throttle to full forward. Engine RPM should indicate between 2625 and 2700 RPM in a no wind environment or with airplane nose perpendicular to wind.	X	7650
21.	Fuel Flow Advance throttle to full forward. Verify fuel flow indicates approximately 26 to 29.5 gal/hr.		76.2
22.	Oil Temperature Indicates in the green arc.		
23.	Cylinder Head Temperature Verify temperature indicates in the green range.	\lor	
	Brakes Rudder pedal brakes should hold airplane stationary with no slipping at full power. Parking brake should hold airplane stationary with no slip- ping at full power.		
25.	Propeller Governor Set throttle to propeller check (first) detent. Propeller governor should maintain engine RPM at approximately 2000 RPM.		2010
	Engine Idle Move throttle control lever to full aft. Engine RPM should indicate between 600 and 750 RPM with the mixture full rich.		
	Magneto Grounding Set engine speed to 1000 RPM. Engine should cease to fire when magneto momentarily switched to OFF position.	-	
	Engine Cut Out and Shut Down Move mixture control lever slowly toward idle cutoff. Engine RPM should increase by 50 ± 20 RPM before engine begins to cut out. Move mixture control lever full aft to shut down engine.	V	t25

Pennridge Aviaton Inc. 1100 N. Ridge Rd. Perkasie, PA 18944

Aircraft Inspection Report

nspection Performed	l by:	PHI	

Date:	10-29-07
Aircraft Registration Number:	مععد
Owner:	KIRMEC
AC Make / Model:	SR ZZ CIRRUS
AC Serial Number:	2220
Tach Time:	- 7 485 11
Hobbs Time:	1988
Aircraft Total Time:	148.8
Engine Make / Model:	TCM 10-550-N
Engine Serial Number:	6900 55
Engine Time Since Overhaul:	198.8
Engine Total Time:	198.8
Type of Inspection:	Annuai <u> </u>
Time Since Last Inspection:	198.8
ELT Battery Due:	MAR 2013

Notes

		Test Results:		_
CYL1-72 CYL2-71	CYL3-70	CYL 4 - JU	CYL5-10	CYL 6 - 1 0
	· · · · · · · · · · · · · · · · · · ·			

Date: 10-22-07

DISCREPANCY SHEET

Naggue of 1

Discrepancy	Actions Taken	Initials
ALBON FULLOF DIET	CIEANED	PSB
AIR FILTER DOF	REPLA(61)	P#5
NOSE STAD BUMPER PORN	PEPLA (BD	P3R
#3 Eivet Missing erg. bottu	Replaced	PINZ
MAIN THES UNEVEN NEAR	- FLIPPED	PAB
OIL CHANCE	C472 NGBO	PZB
	2.7% 29 th	
		9

Scheduled Inspection Report						
Make	Model	Serial Number	Registration Number			
Cirrus Design	SR22	Date 10-22-0	7			
Owner (1913 LL		Operating Time				
Type of Inspection		1789				

Note:

All references to "5-20" under the Chap-Sect column are to be understood as reference to Visual Inspection criteria defined above under Inspection Groups and Criteria.

	Pre-Inspection	Chap-Sect Reference		terval Special	Initials
1.	Operational/Functional Check Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. Make a record of all malfunctions and abnormalities for reference during the inspection. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	>		PB
2.	Review compliance status with current Federal Aviation Regulations. This includes inspection of the following: - Airplane Flight Manual - Aircraft Log Book - Registration Certificate - Weight and Balance Record - FAA Airworthiness Directives - Cirrus Design Service Documents		7		15/15

	Engine Group	Chap-Sect Reference	Interval 100 Special		Initials
1.	25 Hour Inspection After first 25 hours of operation on new, rebuilt, or overhauled engine, perform complete 100-Hour Engine Inspection in accordance with the manufacturer's approved Instructions For Continued Airworthiness.			1st 25 Hrs	24
2.	Engine Cowling Remove and perform visual Inspection for cracks, distortion, and loose or missing fasteners.	71-10 5-20	%		PH
3.	Engine Compartment Visual Inspection for leaks.	5-20	3/	50 Hrs	ful)
4.	Engine Oil Drain and change every 50 hours or 6 months, whichever occurs first.	12-10	8	50 Hrs	Pan
5.	Oil Sump Plug Visual Inspection for condition.	5-20			06/3

			E	ngine Gr	oup (Co	ntinued)			Chap-Sec Reference		nterval Special	Initials
6.	-	Oil Filter Perform In months, wi				Particles (every 50	hours or 6	12-10	%	50 Hrs	PSB
7.		Oil Lines a Visual Insp every 100 l new, rebuil	ection for	r leaks, se d after firs	t 50 houi			cracks operation on	5-20	R	1st 50 Hrs or 6 Mnths	PH
8.		Oil Cooler Clean and eral conditi	perform \	/isual Ins	pection fo	or crackin	ıg, bendii	ng, and gen	5-20	8		PBB
9.		Spark Plug Visual Insp			corrosio	n, and de	posits.		5-20	%	50 Hrs	PSJ
10		Engine Cor Functional approved I	Inspectio	n in acco				rer's	Refer to TCM ICA	0		16.6
		Cyl # P.S.I.	1	70	5 70	2 71	70	70		7	/	
	ŀ	Master Oril	ice Read	ing:					10 = 11			
11	ļ	Spark Plug nspect, cle urer's appr	an, re-ga						Refer to TCM ICA	8		PM
12	F	Magneto Functional nstructions nternal Ins acturer's a Replace or	For Conpection e	tinued Air very 500 nstructior	worthine hours in as For Co	ss. accordan Intinued /	ice with t Airworthii	ness.	Refer to TCM/ICA	0	Internal Inspect. 500 Hrs Rplc or Ovrhl at 4 years	PS
13.	\ 1 F	nduction S /isual Inspe 00 hours. Replace at han 50% c	ection for Annual In	security,	at 200 h				71-60	0	Annual, 200 Hrs, or 50% used	PY
14.	V a E o a	verhauled	ect nozzle venting e nours and engine, re with the	es and ma very 100 at first 10 emove ar manufact	hours. 00-Hour l id clean f	nspection uel inject	n on new ion nozz	, rebuilt, or	5-20 Refer to TCM ICA	0	1st 100 Hrs 300 Hrs	BB

	Engine Group (Continued)	Chap-Sect Reference		terval Special	Iņitials
15.	Gascolator Fuel Filter and Bowl Perform Servicing - Gascolator	28-20	2	1st 25 Hrs 50 Hrs	pph
16.	Fuel Pump Visual Inspection for leaks, security, and condition.	5-20	×		1501
17.	Flexible Fuel Lines Visual Inspection for leaks, security, and condition.	5-20	8	/	1/18
18.	Battery 1 Perform Electrolyte Level Check. Topped All 4ell6	12-10	B		13/1
19.	Battery Platform, Terminals, and Cables Visual Inspection for security, corrosion, and general condition.	12-10	%	-	13B
20.	Wiring Visual Inspection for damaged wiring and clamps.	5-20	8		PM
21.	Cylinder Cooling Fins Visual Inspection for cracking, bending, and general condition.	5-20	2		15
22.	Engine Baffling and Seals Visual Inspection for cracks, tears, and rips.	5-20	8		PSB
23.	Air Intake Ducts Visual Inspection for general condition.	5-20	8	50 Hrs	1815
24.	Alternate Air Door Check operation of alternate air flapper valve.	71-60	×,	50 Hrs	PSIS
25.	Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers.	5-20	3	/	M
26.	Exhaust System Perform Inspection/Check - Exhaust System. L. 7.5 / K 2.0	78-20	y	50 Hrs	18/
27.	Exhaust System Perform Adjustment/Test - Forward Ball Joints.	78-20	8		186
28.	Exhaust Muffler/Heat Exchanger Perform Inspection/Check - Heat Exchanger.	78-20	91		P3B
29.	Cabin Heat Box and Ducts Visual Inspection for soot, distortion, and general condition.	5-20	3		12/2
30.	Breather Tube Visual Inspection for obstructions and security and no sagging of tube between clamp and baffle.	5-20	% !>	50 Hrs	M
31.	Crankcase Visual Inspection for condition, leaks, and loose components.	5-20	7		149
32.	Engine Mount Weldment Visual Inspection for weld cracks, corrosion, bending, and distortion.	5-20	8		BB

	Engine Group (Continued)	Chap-Sect Reference		terval Special	Initials
33.	Engine Mount Weldment and Lower Mount Attach Fittings Visual Inspection for security. Verify torque.	5-20	1	1st Annual, 500 Hrs, Engine Install	M
34.	Engine Mount Isolators Visual Inspection for cracking, splitting, and general condition.	5-20	3		PH
35.	Firewall and Seals Visual Inspection for cracks, condition, and security of attachments.	5-20	H		BI
36.	Alternators Visual Inspection for security and condition.	5-20	3		135
37.	Alternator 1 Remove, disassemble, inspect, repair and test in accordance with the manufacturer's approved Instructions For Continued Airworthiness every 500 hours.	Refer to TCM ICA	(500 Hrs	
38.	Alternator 2 Visual Inspection for security and condition. Perform Inspection/Check - Alternator 2.	24-30	7		PB
39.	Starter Visual Inspection for security and condition.	5-20	2/		1813
40.	Master Control Unit Perform Inspection/Check - Master Control Unit.	24-30	8		P31)
41.	Ice Protection Firewall Forward - Fluid Line, Bulkhead Fittings, Feeder Tube, Brackets, Clamps, and Proportioning Unit Visual Inspection for chafing, leaks, and security.	5-20	2		1415
42.	Engine Compartment Visual Inspection for loose nuts, bolts, screws, and parts.	5-20	9	50 Hrs	PA
43.	Air Conditioning Compressor Perform Inspection/Check - Compressor	21-50	\$,	PM
44.	Air Conditioning Compressor Perform Adjustment/Test - Compressor Drive Belt Tensioning	21-50	8		139

	Propeller Group	Chap-Sect Reference		terval Special	Initials
1.	Spinner Remove, clean and perform Visual Inspection for cracks and corrosion.	5-20	о У	/	13/3
2.	Blades Visual Inspection for nicks, bends, cracks, gouges, erosion, and condition of tips.	5-20	0		PSh
3.	Blades Inspect blades for radial play or movement of blade tip.	61-10	8		BA
4.	Blades Inspect blade tracking.	61-10	X		Bell
5.	Propeller Assembly - Serials 0002 & subs w/ Hartzell Propeller Lubricate in accordance with the manufacturer's approved Instructions For Continued Airworthiness.		3	12 Months	Posts
6.	Hub Visual Inspection for cracks, corrosion, leaking oil or grease.	5-20	3		Af
7.	Slinger Ring Assembly Perform Operational Check - Slinger Ring Assembly	30-60	L	,	M
8.	De-Ice Propeller Boot Visual Inspection for condition and security.	5-20	%		188
9.	Blade Feed Tube Perform Inspection/Check - Blade Feed Tube Orientation.	30-60	8		BB
10.	Slinger Ring Feed Tube Perform Inspection/Check - Slinger Ring Feed Tube Orientation.	30-60	8		Pop

	Cabin Group	Chap-Sect Reference		terval Special	Initials
1.	Cabin Access Panels: All Cabin Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled.	06-00	· /	Ø	Popl
2.	Cabin Windows and Windshield Clean and Visual Inspection for cracking, crazing, and general condition.	5-20	X	,	Ph
3.	Knobs, Switches, and Levers Visual Inspection for security, attachment and operation.	5-20	8	,	My
4.	Cabin Heater Controls Check operation for freedom of movement.	5-20	X		V 8/1
5.	Placards and Instrument Markings Visual Inspection for conformity, security, and condition.	11-20	X	4	Phy

	Cabin Group (Continued)	Chap-Sect Reference		nterval Special	Initials
6.	Fire Extinguisher Perform Inspection/Check for condition and weigh.	26-20	X	Monthly	PA
7.	Cabin Access: Remove Glareshield. * Remove MFD. * Remove Cabin Seats * Remove Cabin Carpet.* Remove Kickplates. * Remove Center Bolster Trim.* Remove RH Mid-Console Trim. * Remove 222 Bulkhead Interior Trim. *	25-10 31-60 25-10 25-10 25-10 25-10 25-10 25-10	3		Mil
8.	Upholstery Visual Inspection for security.	5-20	R		PIB
9.	Crew Seats Perform Inspection/Check - Crew Seats.	25-10	2		Poly
10.	Crew Seat Harness Perform Inspection/Check - Crew Seat Harness.	25-10	X		PMB
11.	Rear Seat Harness Perform Inspection/Check - Passenger Seat Harness.	25-10	R		PAS
12.	Seat Belt Inertia Reels Visual Inspection for security of brackets and bolts.	5-20	a	Annual	Pars
13.	Seat Rails and Slides Visual Inspection for condition and lubricate.	12-20	Q		PBB
14.	Instrument Panel Visual Inspection for security of lines and wiring.	5-20	200		PBR
15.	Avionics Visual Inspection of components, wiring, and for security.	5-20	8		PB
16.	Outside Air Temperature Gage/Clock Battery Replace.	34-10	X	24 Months	PBS
17.	Control Yokes Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in elevator or aileron input.	5-20	3	-	14/
	Rudder Pedals Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in rudder or alleron input.	5-20	Š		PH
	Rudder Pedal Torque Tube Bracket Perform Inspection/Check - Torque Tube Gap Tolerance	27-20	\$7		PH.
	Brake Master Cylinders Visual Inspection for leaks and security.	5-20	2		Ph
	Flexible Brake Lines Visual Inspection for leaks, security, and condition.	5-20	L	,	Al

Parking Brake Valve and Control Cable Linkage Visual Inspection for leaks, security, chafing, and condition. 21-60 500 Hrs or Free Perform Inspection/Check - Cabin Air Control Assembly 21-60 500 Hrs or 5 Years. 24. Control Quadrant Service in accordance with AMM. 25. Fuel Selector Visual Inspection for operation. 5-20 9/	Initials	terval Special		Chap-Sect Reference	Cabin Group (Continued)	
23. Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly 24. Control Quadrant Service in accordance with AMM. 25. Fuel Selector Visual Inspection for operation. 26. Fuel Lines, Valves, and Gages Visual Inspection for chafing, obstruction, security, and general condition. 27. Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security. 28. Door Latches Check operation of door latch mechanism. 29. Door Latches and Hinges Lubricate. 30. Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage. 31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20 37. Cabin Annual 38. Annual 39. Annual 40. Annual 5-20 5-20 60. Annual 5-20 70. Annual (B)		8	5-20	Parking Brake Valve and Control Cable Linkage Visual Inspection for leaks, security, chafing, and condition.	22.	
24. Control Guadrant Service in accordance with AMM. 25. Fuel Selector Visual Inspection for operation. 26. Fuel Lines, Valves, and Gages Visual Inspection for chaffing, obstruction, security, and general condition. 27. Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security. 28. Door Latches Check operation of door latch mechanism. 29. Door Latches and Hinges Lubricate. 30. Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage. 31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	PH	or	4	21-60	Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly	23.
25. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 24-50 36. Cable Attachments Rolts 5-20 37. 36. Cable Attachments Rolts 5-20 37. 36. Cable Attachments Rolts 7-20 37.	PAG	Annual	f	76-10	Control Quadrant Service in accordance with AMM.	24.
dition. 27. Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security. 28. Door Latches Check operation of door latch mechanism. 29. Door Latches and Hinges Lubricate. 30. Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage. 31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	Pal		91	5-20		25.
28. Door Latches Check operation of door latch mechanism. 29. Door Latches and Hinges Lubricate. 30. Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage. 31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys	PBJ,	/	ž	5-20	Visual Inspection for chafing, obstruction, security, and general con-	26.
Check operation of door latch mechanism. 29. Door Latches and Hinges Lubricate. 30. Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage. 31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	PH		8	5-20	Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security.	27.
30. Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage. 31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20 5-20 5-20 5-20 5-20 5-20 5-20 5-20 5-20	[18]		8	5-20		28.
31. Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20 5-20 5-20 5-20 5-20 5-20 5-20 5-20	Pass	,	8	12-20		29.
Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation. 32. Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	Poly		8	5-20	Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage.	30.
Visual Inspection for contamination, obstruction or blockage. 33. Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20 5-20 5-20 5-20 5-20 5-20	PSB		3	5-20	Visual Inspection for security, routing, chafing, deterioration, wear,	31.
Visual Inspection for contamination, obstruction or blockage. 34. Circuit Breakers Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	P-515	,	8	5-20	Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage.	32.
Perform Functional Check - Redundant Circuit Breakers 35. Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	PAH		8	5-20	Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage.	33.
Visual Inspection for condition, fit, and evidence of distress. 36. Cable Attachments, Cables, and Pulleys 5-20	PB		A	24-50		34.
36. Cable Attachments, Cables, and Pulleys Visual Inspection for security, chafing, wear, and general condition.	PSB	,	8	5-20	Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress.	35.
	BB		9	5-20	Cable Attachments, Cables, and Pulleys Visual Inspection for security, chafing, wear, and general condition.	36.
37. Flap Actuation Motor and Attach Bracket Visual inspection for condition and security. 5-20	BB		2	5-20		37.
38. Ice Protection Proportioning Units and Plumbing Visual Inspection for chafing, leaks, security, and condition. 5-20	PSB		8	5-20	Ice Protection Proportioning Units and Plumbing Visual Inspection for chafing, leaks, security, and condition.	38.
39. Ice Protection Filter Replace every 2 years or 1200 hours whichever occurs first.	PSB	,	3	20-05	Ice Protection Filter Replace every 2 years or 1200 hours whichever occurs first.	39.

EFFECTIVITY:

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	Cabin Group (Continued)	Chap-Sect Reference		terval Special	Initials
40.	lce Protection Fluid Tank, Filter, Metering Pump, Drain Block, and Drain Valve Visual Inspection for security and leaks.	12-10	3		PS
41.	Fuselage Drainage Holes Visual Inspection for obstructions or blockage.	5-20	8		Ph
42.	CAPS Parachute Compartment Visual Inspection for security, leaks, and general condition.	5-20	2	103	MS
43.	CAPS Activation Handle Mount and Cable Visual Inspection security, chafing, and wear.	5-20	9	· ·	BB
44.	Magnetometer Perform Functional Test - Magnetometer Calibration.	34-20		24 Months	
45.	Emergency Locator Transmitter 1/1/1/2 2013 Functional Inspection in accordance with 14 CFR 91.207.	14 CFR 91.207	93		JEJ13
46.	Altimeter Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.411. Perform Adjustment/Test - Altimeter.	14 CFR 91.411 34-10		24 Months	
47.	Transponder Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.413.	14 CFR 91.413	T.	24 Months	
48.	Air Conditioning Evaporator Perform Inspection/Check - Evaporator	21-50	X		PB
49.	Air Conditioning Condenser Perform Inspection/Check - Condenser	21-50	2		PSUS
50.	Air Conditioning Lines and Hoses Visual Inspection for leaks, security, and condition.	5-20	2		PA
51.	Perform Operational Test - Air Conditioning System	21-50	0		

Dodio Group		Chap-Sect Reference	Interval 100 Special	Initials
1.	Radio and Electronic Equipment Visual Inspection for proper installation, clearance, and security.	5-20	0	PM
2.	Wiring Visual Inspection for proper clearance, chafing, fraying, and routing.	5-20	8	PH
3.	Bonding and Shielding Visual Inspection for proper installation and condition.	5-20	2	Af
4.	Antennas Visual Inspection for condition and security.	5-20 ´	2	PSH

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Fuselage and Empennage Group		Chap-Sect Reference			Initials
1.	Empennage Access Panels Remove Empennage Access Panels LE1, LE2, RE1, RE2, RE3.	06-00	7	,	145
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	8		Pap
3.	CAPS Exit Cover Visual Inspection of perimeter for cracking or crazing, and placard condition.	5-20	Ž		PB
4.	Vertical Stabilizer and Rudder Surfaces Visual Inspection for distortion, and condition.	5-20	Ø		PB
5.	Rudder System Perform Inspection/Check - Rudder System Rigging.	27-20	8		PB
6.	Rudder Bearings, Hinges, Horn, and Attachments Visual Inspection for security, condition, and freedom of movement.	5-20	×		Jest .
7.	Horizontal Stabilizer and Elevator Surfaces Visual Inspection for distortion, and condition.	5-20	P		PH
8.	Horizontal Stabilizer Access Panels and Inspection Hole Covers Visual Inspection for condition and security.	6-00 55-10	X		PSI
9.	Elevator System Perform Inspection/Check - Elevator System Rigging.	27-30	X	1	PH
10.	Elevator Pitch Trim Cartridge - Serials 0002 thru 0754 NA Perform Servicing - Pitch Trim Cartridge Lubrication.	27-30	0,		
11.	Elevator Bearings, Hinges, Horn, and Attachments Visual Inspection for wear, condition, and freedom of movement.	5-20	Ø		12

	Wing Group	Chap-Sect Reference	ı	terval Special	Initials
1.	Wing Access Panels The following Wing Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled. • Serials 0002 thru 2333, 2335 thru 2419: LW1, LW2, LW4, LW5, LW6, LW7, LW8, LW9, LW12, LW13, LW14, LW15, LW16, and RW1, RW2, RW4, RW5, RW6, RW7, RW8, RW9, RW12, RW13, RW14, RW16.	06-00	0		ph
	Serials 2334, 2420 & subs: LW1, LW2, LW4, LW5, LW9, LW10, LW11, LW12, LW13, and RW1, RW4, RW5, RW9, RW10, RW12, RW13.			94	
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	ÿ	/	PSA
3.	Walkway Visual Inspection for condition.	5-20	X	•	PB
4.	Wing Leading Edge and Stall Strips Visual Inspection for foreign matter and debris.	5-20	8		PSIZ
5.	Aileron Surfaces Visual Inspection for distortion, and condition.	5-20	B	(8)	P282
6.	Aileron Actuation Arm Visual Inspection for safetying, and condition.	5-20	Z	/	PH
7.	Wing Tips Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	57-20			Ph
8.	Main Landing Gear Fairings Remove. Clean and perform Visual Inspection on fairings and antichafe spacers for cracking, rubbing, and general condition.	32-10	ð		M
9.	Aileron Hinges, Hinge Bolts, Bearings, and Attachments Visual Inspection for security, freeplay, and binding.	5-20	8	/	AN
10.	Aileron System Rigging Perform Inspection/Check - Aileron System Rigging	27-10	y		ASS.
11.	Roll Trim Access Remove LH Aileron. Remove Aileron Cove Access Panel.	57-50 06-00	M		141
12.	Roll Trim Cartridge Visual Inspection for positive clearance between trim cartridge and actuation pulley under full range of trim motor positions. Visual Inspection for minimum rod end thread engagement of 0.313 inch (0.79 cm). Visual Inspection for proper installation of safety wires and cotter pins on all fasteners.	27-10	°		P

Wing Group (Continued)		Chap-Sect Reference	Interval 100 Special	Initials
13.	Flap Hinges, Hinge Bolts, Bearings, Rub Strips, and Attachments Visual Inspection for wear security, freeplay, and binding.	5-20	B	(PZ)
14.	Flap System Perform Inspection/Check - Flap System Rigging	27-50	X	PAY
15.	Pitot Mast and Static Lines Visual Inspection for security, condition, and obstruction.	5-20	X	PBS
16.	Fuel Lines Visual Inspection for chafing, obstruction, security, and general condition.	5-20	χ̈́	PAN
17.	Fuel Tank Vents Visual Inspection for condition and obstruction.	5-20	7	PR
18.	Fuel Cap Perform Functional Test - Fuel Cap Assembly.	28-10	18	PA
19.	Air Ducts, Electrical Leads, Lines, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	X	PAD
20.	Aft Wing Attach Bracket Visual Inspection for corrosion. If corrosion evident, contact Cirrus Design for disposition. Reference 57-40 for access instructions.	5-20	X	press

	Landing Gear Group		1	terval Special	Initials
1.	Nose Landing Gear Fairing Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	32-20	XV V		PD
2.	Tires FLIPPED MAINS Visual Inspection for cuts, uneven or excessive wear, and slippage.	5-20	P		PZK
3.	Tires M 55 Ly W Inspect for proper tire pressure.	12-10	X		PZS
4.	Brake Disk Visual Inspection for corrosion, security, and general condition.	5-20	XP		PER
5.	Brake Linings Perform Inspection/Check - Brake Linings.	32-42	24	50 Hrs	PEB
6.	Brake Assembly Perform Inspection/Check - Brake Assembly. Replace O-rings upon reassembly.	32-42	X	1	P25B
7.	Brake Fluid Reservoir Replenish.	12-10	A	50 Hrs	BBB
8.	Brake Lines and Hoses Visual Inspection for leaks, chafing, security, and condition.	5-20	R		PSB
9.	Wheels Remove, Visual Inspection for condition, repack bearings.	32-41	X	1	8283
10.	Wheels Visual Inspection for cracks, corrosion, and broken bolts.	32-41	X	Annual	PB
11.	Polymer Shock Absorbing Pucks, Puck Tray, and Attach Bolts Visual Inspection of pucks for cracking or splitting. Ensure attach bolts are perpendicular to puck tray and puck stack-up is in alignment.	5-20	X	l	PBB
12.	Nose Gear Assembly Perform Inspection/Check - Nose Gear Assembly	32-20	R		PAB
13.	Main Gear Assembly Visual Inspection for condition.	5-20	No		PB
14.	Main Gear Strut, Attachments, and Bolts Visual Inspection for cracking, splintering, condition, and security. Verify lower strut fairing stand-off securely attached.	32-10	X		pm

Ċ	Return to Service	Chap-Sect Reference		terval Special	Initials
HENGS INC BAGS	1. Close Access: Install Main Landing Gear Fairings. Install Nose Landing Gear Fairing. Install Cabin Access Panels. Install Cabin Carpet. Install RH Mid-Console Trim. Install Center Bolster Trim. Install Kickplates. Install Cabin Seats. Install Glareshield. Install Glareshield. Install MFD. Install Empennage Access Panels. Install Wing Access Panels Install LH Aileron. Install Aileron Cove Access Panel Install Wing Tips.	32-10 32-20 06-00 25-10 25-10 25-10 25-10 31-60 25-10 06-00 57-50 06-00 57-20	0		
	2. Verify all Airworthiness Directives complied with. 2007-20	14 CFR 91.403	8		
	Fuel Injection System Functional Inspection of Fuel Injection System in accordance with the manufacturer's approved Instructions For Continued Airworthi- ness after engine installation, every 100 hours, at annual, or fuel system component replacement.	Refer to TCM ICA	8	Engine Install, Annual, Fuel Sys Cmpnt Rplcmnt	ph
D.M.	4. Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	P		M
+	5. Install Engine Cowling	71-10	B	50 Hrs	Pap
t	6. Verify airplane papers in proper order: - Airworthiness Certificate - Registration - Operating Handbook - Weight and Balance	14 CFR 91.203	0		

Signature of Mechanic or Inspector _ Not required per 14 CFR § 43.11.

Certificate Number 1A 2137996

EFFECTIVITY: All