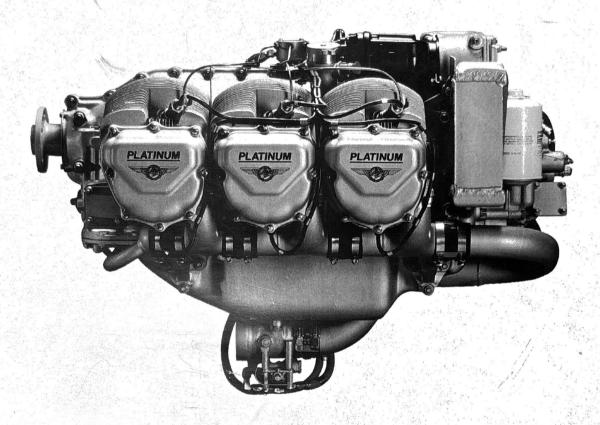
PLATINUM ENGINE LOG BOOK





CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 02/26/2007

This engine model 10550N46

, Serial No. 690850 was manufactured on 02/23/2007

by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY PRODUCTION CERTIFICATE NO. 508

Total	Time		_	Engine Service and Maintenance Record					
Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins	IS,				
9	.8			Meaning and Octaice Dulleuris					
				THE					
				THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE					
				SE10589SC					
				CDC CDC on APR 0 4 2007					
				Cirrus Design Corporation Duluth, MN USA					
				FC# 338CE					
				T					
		Hrs. Min.	Hrs. Min. Hrs.	Last Overhaul Hrs. Min. Hrs. Min.	Hrs. Min. Hrs. Min. All the proof of the pr				

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N174DL S/N 2437

08, May 2007

Hobbs Time: 33.1

Flight Timer: 23.7

1. Drained oil and retained sample for analysis. Removed filter cut and inspected with no contamination noted. Installed new filter and added 8qts Phillips 20W-50 Mineral oil.

Safety wired TKS nuts as required.

Functional check satisfactory

James T. Markey A&P3166872 James T. Markey

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N174DL S/N 2437

05, June 2007 **TCM IO-550N**

Hobbs Time: 62.7 S/N: 690850

Flight Timer: 48.6

1. Drained oil, removed filter cut and inspected with no contamination noted. Installed new filter and added 8qts Aeroshell 15W-50 oil.

> Run up and functional check satisfactory James T. Markey 3166872IA Jans I Markey

> > **North East Aero**

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N174DL S/N 2437

17, August 2007

Hobbs Time: 146.6

Flight Timer: 115.2

Drained oil, retained sample, removed filter cut and inspected with no contamination noted. Installed new filter and added 8qts Aeroshell 15W-50 oil.

Run up and functional check satisfactory

James T. Markey 3166872IA

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N174DL S/N 2437

12, November 2007

Hobbs Time: 206.6

Flight Timer: 164.1

Drained oil and retained sample for analysis. Removed filter cut and inspected with no contamination noted. Installed new filter and added 8qts Aeroshell 15W-50 oil.

> Functional check satisfactory Robert C. Betzler 3166881IA

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward		-			
'	,				

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N174DL S/N 2437

14, February 2008

Hobbs Time: 273.2

Flight Timer: 222.2

TCM IO-550N

S/N: 690850

- Drained oil and retained sample for analysis. Removed filter cut and inspected with no defect noted. 1. Installed new filter and added 8qts Aeroshell 15W-50 oil.
- Lubricated mixture control as required. 2.

Run up and functional check satisfactory James T. Markey 3166872IA James T. Marky

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N174DL S/N 2437

01, May 2008 **TCM IO-550N** Hobbs Time: 338.1

Air hobbs: 284.2

S/N: 690850

- 1. Completed Annual Inspection IAW Cirrus Design 100hr/Annual Inspection checklist and Teledyne Continental Motors service manual.
- Ran engine and recorded cylinder compressions: 1) 71/80 2) 74/80 3) 73/80 4) 68/80 5) 69/80 6) 75/80 2.
- Drained oil, retained sample for analysis, cut and inspected filter with no contamination noted. Installed new oil 3. filter and added 8qts Aeroshell 15W-50 oil.
- Removed and replaced all spark plugs with new.
- Removed all six fuel injectors, cleaned and re-installed with new seals. 5.
- Removed and replaced RH exhaust manifold with new.
- 7. Removed and replaced LH front baffle with new.
- 8. Removed and replaced front spinner baffle with new.
- Replaced and adjusted RH and LH Turbo support rods and brackets with new as required. 9.
- 10. Replaced LH waste gate support bolt and mounting bracket with new.
- 11. Removed and replaced air filter cover with new.
- 12. Removed and replaced LH turbo heat shield with new.
- 13. Adjusted air intake sceet tube as required to prevent chafing.

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184 Cirrus Design SR22 N174DL S/N 2437

- 14. Replaced alternator #1 field wire end terminal with new.
- 15. Replaced mounting clamp for Reif engine pre-heater plug as required.
- 16. Complied with Tornado Alley SB08-01 Modification of exhaust elbow IAW SB instructions.
- 17. Drained and inspected gascolator with no contamination noted.
- 18. Inspected all oil lines and fittings.
- 19. Checked magneto to engine timing with proper condition noted.
- 20. Replaced intake air filter with new.
- 21. Completed AD list and complied with all outstanding AD's as required. Reference AD list dated 04/08.

I certify this Engine was inspected in accordance with a 100hr/Annual inspection,

And found to in Airworthy condition.

James T. Markey 31668721A Jams T Marky

	Date	lotal	Time		Since Overhaul	En.	gine Se	ervice a	nd Mail vorthiness Di	ntenance R rectives, Special In:	eco spections
		Hrs.	Min.	Hrs.	Min.			Service Bul		rectives, opeoidi in	opcodoris
Brought	Forward		-								
	-					14300 S MIAMI,	AIRCRAFT O SW 129 TH STF FLORIDA 331	REET 186		_	
	Date: 6		/2009	Total	508.8	PHONE	545.4 –				
	Manufac	t: TCM		Time: Model:	10550)N46	Hobbs: Ser. No.:	690850	Reg:	N174DL -	
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							ENGINE EN	ITRY		-	
	2. II 3. (3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	DRAINED NOTED, S COMPRES AD 2007-1 NSTALL I ACCESSO NSTALL F ACCESSO CLEAN & C CLEAN AL E IDENTIF JERAL AVI N TO SER' 2009	OIL, RE SERVICE SSION (16-10 KE 16-10	EPLACED FED ENGINE CHECK: #1 ELLY AERG RBO WAST AGNETO F NC UNDEF MAGNETO NC UNDEF L SPARK F INJECTIC OVE WAS RE GENCY, UN	FILTER EL E WITH PH 64/80, #2 DSPACE T TEGATE L P/N# 10-50 R W/O# 34 P/N# 10-5 R W/O# 34 PLUGS N NOZZLI MAINTEN EPAIRED A DETAILS OI	EMENTALISMENT STATEMENT ST	T, INSPECTEI S 20W50 OIL #3 58/80, #4 6 CHARGER D/ E CABLE ASS 01 S/N# D07 101 S/N# D07 RELEASE PECTED IN AC: ENDIX "D" ANN	D OLD FITLER 64/80, #5 67/8 N/A PER NON 6Y P/N# 22-56 A180 OVER 7AA187 OVER	IO, #6 74/80 I-TURBO ISO008 IAULED BY E RHAULED BY ITH CURRENT SPECTION AN	OR METAL, NONE - - - - - - -	
	FOR: ADVA	NCED AIR	CRAFT (CENTER. IN	ADVAI	NCED A	BELLO AP73	ENTER, INC.			
	FOR: ADVA	I			1 ADVAI 1 M P	NCED A 4300 S	AIRCRAFT C I W 129 TH STR FLORIDA 331 # 305-259-82	ENTER, INC. IEET 86 191			
	FOR: ADVA	12/22/		Total Time:	ADVAI 1 1 M P 676.0	NCED A 4300 S IIAMI, F PHONE	AIRCRAFT C W 129 TH STR FLORIDA 331	ENTER, INC. EET 86	Hobbs:	701.5	
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TH OF RESIGN	Date: Manufact: 1. INS 2. DR NC	TCM STALLED CAINED OF TED, SEI IDENTIFIE RAL AVIA ON FILE U	OVERHIL, INST	Total Time: Model: HAULED # FALL NEW ENGINE E WAS REFERCY AND ORK ORDE	ADVAI ADVAI 1 M P 676.0 IO550N 4 CYLINDI FILTER E WITH PHI MAINTENA PAIRED AN IS APPRO R NO. #DI TATIVE:	NCED A 4300 S IIAMI, F HONE N46 ENGINE ER ASS ELEMEI LLIPS:	AIRCRAFT CI W 129 TH STR FLORIDA 331. # 305-259-82 FIt Hobbs: Ser. No.: E ENTRY SY, P/N# 655 NT, INSPECT 20W50 MINE	ENTER, INC. EET 86 91 676.0 690850 932 S/N# 558 OLD FILTER RAL OIL CORDANCE W D SERVICE. P	Reg:	N174DL FOR METAL, NONE	
— TH OF RE	Date: Manufact: 1. INS 2. DR NC HE ENGINE F THE FEDE: EPAIR ARE (GNATURE O	TCM STALLED CAINED OF TED, SEI IDENTIFIE RAL AVIA ON FILE U	OVERHIL, INST	Total Time: Model: HAULED # FALL NEW ENGINE E WAS REFERCY AND ORK ORDE	ADVAI ADVAI 1 M P 676.0 IO550N 4 CYLINDI FILTER E WITH PHI MAINTENA PAIRED AN IS APPRO R NO. #DI TATIVE:	NCED A 4300 S IIAMI, F HONE N46 ENGINE ER ASS ELEMEI LLIPS:	AIRCRAFT CI W 129 TH STR FLORIDA 3311 # 305-259-82 Fit Hobbs: Ser. No.: E ENTRY SY, P/N# 655 NT, INSPECT 20W50 MINE ELEASE ECTED IN ACCORD RETURN TO DATE: 12/22	ENTER, INC. EET 86 91 676.0 690850 932 S/N# 558 OLD FILTER RAL OIL CORDANCE W D SERVICE. P	Reg:	N174DL FOR METAL, NONE	
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1030 RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 (609) 771-9500 FAX (609) 771-0651 8/14/2009 REG# **N174DL** DATE: MAKE: LYCOMING W/O #: MODEL: HM **ENGINE LOG** S/N: TT: CHANGED OIL AND FILTER OPENED REMOVED FILTER, NO METALAND INSTALLED CH48108-1 FILTER ADDED 8 QUARTS OF PHILLIPS 20-50 OIL. MAINTENANCE RELEASE Pertinent details of the inspection are on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service. Signed \ for RONSON AVIATION, INC.

CRS EHHR538D RONSON AVIATION

10550N46

TRENTON-MERCER AIRPORT

TRENTON, NJ 08628

24863

554.0

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The second second			-		ADI	VANCED AIR 14300 SW 1 MIAMI, FLOR PHONE # 30	29 TH STREET RIDA 33186	ER, INC.	**			
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Mar	nufact:	TCM		del:	1055			0850	Reg:	N174[DL	
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	ate Total Time Time Since Last Overhaul				Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,					
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ught Forward		-							1	
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_				401/4/	NOED AIE	RCRAFT CEN	TER INC.			
					14300 SV	V 129 TH STRE ORIDA 3318	ET			
					MIAMI, FL PHONE #	305-259-829	1			
Date:	12/2	0/2010	Total	767	.0	Flt	767.0	Hobbs:	793.6	
— Manufact	: TCM	<u> </u>	Time: Model:	10-!	550-N	Hobbs: Ser. No.:	690850	Reg:	N174DL	
Manuaci	i. TOW	1	Woden.						-	
				ENGIN	E MAINT	ENANCE NO	<u>TES</u>		-	
_ ,	DAINE	OII RE	PI ACED	FILTER E	LEMENT,	INSPECTED	OLD FILTE	R ELEMENT FO EAKS NOTED	OR METAL:	
1. [1	NONE NO	OTED; SE	RVICED	ENGINE \	WITH PHI	LLIPS 20W50	OIL; NO LE	AKS NOTED	-	
				B# A 12:TF	NANCE DI	FLEASE			EGULATIONS OF THE	
- THE ENGIN	E IDENTI	IFIED ABO	VE WAS R	EPAIRED	AND INSPE	CTED IN ACCO	RDANCE WI	TH CURRENT RE T DETAILS OF	EGULATIONS OF THE THE REPAIR ARE ON	
FILE UNDE	R WORK	ORDER N	O. #DL121	710 DATE	E: 12/20/20	010	LLO M			
				. IT A TIL /		BELLO AP735	13036IA			
FOR. ADVA	THOLD A	- Interest	1							
			•	Advar	ced Air	craft Cente	r, Inc			
				14299 S	SW 127th Florida 3	St, Suite 101 3186				
				Ph: 305	-259-829	1 Fx: 305-259	-8302			
						770 FO: Fo	sine - Tyne: IC)-550-N(46), S/N	: 690850, Time: 772.50	
Date: 6/13	3/2011; Ai	rcraft: N17	4DL; Type:	Cirrus SR2	22; Total Tir	me: //2.50; Ell	Monual		: 690850, Time: 772.50	
1) Perform	Cirrus Ar	nnual/100H	Ir Inspectio	n I/A/W The 0, #3) 68/80	e Cirrus SR), #4) 72/80	(22 Maintenanc), #5) 76/80, #6 ent For Metal, N	65/80	Serviced Engine \	With Phillips 20W50	
3) Drained	Oil Repla	aced Filler	Element, I	nspect Old	Filter Elem	ent For Metal, r	ione Noted, S	Serviced Engine	With Phillips 20W50	
Mineral Oi 4) Took Oi			All Forms	Specs				Diago & Hards	ware: Torqued Cylinder	
5) Adjuste 6) Install N	lew #2 Cy	linder Ass)	P/N# 655	932A4 S/Na	# AC11AB8	331 With All Ne	w Gaskets, "C	Kings & riaid	ware; Torqued Cylinder	
- Assy As P	er The TC	Mag Mires	Away Fron	n Fuel Hard	Lines					
8) Remove	ed & Clear	nea #4 Ku	Shaft Flan	ge. Treat, F	rep & Pair				/N# C-3317-228	
10) Install	New Righ	er Contine	ntal Exhaus	t Lifter P/N	# 653877	Overhauled By	Aircraft Spec	ialties Services,	Inc Under W/O# 203010	
Form Trac	king # AS	-203010, S	ust Heat Sl	nields						
THE ENG	NE IDEN	TIFIED AB	OVE WAS	REPAIRE	D AND INS	SPECTED IN A	CCORDANC	E WITH CURRI	ENT REGULATIONS OF IS APPROVED FOR	
THE FEDE	ERAL AVI	ATION AG	ENCY UN	DER FAR 4	43 APPEN THE REP	DIX "D" ANNU AIR ARE ON F	ILE UNDER	CORRESPOND	IS APPROVED FOR ING SHOP ORDER	
DEFEDER	ICE NI IN	RFR 11-11	86 DATE	0/13/201	' /	1.4.1				
SIGNATU	RE OF AL	JTHORIZE	DKEPKE	SENTATIV		DELLO ADZOS	43036IA			
FOR: ADV	ANCED A	AIRCRAFT	CENTER	INC PE	I EROY. LO	BELLO AP735	HOUSEIN			
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T TIME	Reechcraft Renarra	_
Is Honey	14299 SW 127th St, Suite 101	
700	Miami, Florida 33186	
A W	Ph: 305-259-8291 Fx: 305-259-8302	
on a single of the single of t	Date: 10/05/2011; Aircraft: N174DL; Type: Cirrus SR22; Engine - Type: IO-550-N(46), S/N: 690850	-
3. A.	Date: 10/05/2011, Allord W. V. J. J. Type: 10-550-N(46), S/N: 690850	
all	1) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Mineral Oil, Leak Check Ok Mineral Oil, Leak Check: #17.71/80, #2) 70, #3) 66/80, #4) 67/80, #5) 70/80, #6) 70/80	
x ¥ _	1) Drained Oil, 1646 Check Ok Mineral Oil, Leak Check Ok 2) Compression Check: #1) 71/80, #2) 70, #3) 66/80, #4) 67/80, #5) 70/80, #6) 70/80	\dashv
	3) Removed All Fuel Nozzles, Oldan and Missan Will 224 Now Packings 6Fa P/N# 6309/9-9 & New Packings 6Fa P/N# 6309/9-9	_
	2Ea P/N# 633958-5 4) Install 12Ea New Spark Plugs P/N# RHB32E 4) Install 12Ea New Spark Plugs P/N# RHB32E	
V _	5) Upon Visual inspection of Wild SERGE AA SIN# 57740 Serviceable/Overhauled By Codified To Cracked At The Exhaust Port A	
	5) Upon Visual Inspection Of Cylinder 44, it visual tractions that the Cylinder Assembly Was Cracked At The Exhaust Port Area; Install #4 Cylinder Assembly P/N# 655932A4 S/N# 57740 Serviceable/Overhauled By Certified Engines Unlimited, Inc Under W/O# 36204 Form Tracking Number 54767, See Form 8130, Install 3Ea Exhaust Gaskets P/N# 652458 And 1 Oil Tube Gasket P/N# 649407, Ops Check Ok	-
	Cherk Ok	-
r _	6) Hobbs: 822.7 Flt: 796.3	
	THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE	\dashv
	THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR AECONN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 11-1329 DATE: 10/5/2011 ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 11-1329 DATE: 10/5/2011	
	SIGNATURE OF AUTHORIZED NET	
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA	\neg
		-
<u> </u>	14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302	
	Date: 1/19/2012; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 809.90; Engine - Type: IO-550-N(46), S/N: 690850, Time: 809.90 1) Drained Oil, Replaced Filter Element, Inspected Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok	
	THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 12-1430 DATE: 1/19/2012	
	SIGNATURE OF AUTHORIZED REPRESENTATIVE:	
	SIGNATURE OF AUTHORIZED REPRESENTATIVE: FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA	
		,
		,
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA Beechcraft	
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA Beechcraft	
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA Recchcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186	
	FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP73543036IA Peechcraft Proceeding 14299 SW 127th St, Suite 101	
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA Recchcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186	
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA Recchcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186	
	FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. Lo BELLO AP73543036IA Beechcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302 Date: 5/11/2012; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 865.50; Engine - Type: IO-550-N(46), S/N: 690850, Time: 865.50 1) Drained Oil, Replaced Filter Flement, Inspect Old Filter Flement For Metal, None Noted, Septimed Engine With Phillips 20W50 Oil,	
	Peechcraft Peechcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302	
	Peechcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302 Date: 5/11/2012; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 865.50; Engine - Type: IO-550-N(46), S/N: 690850, Time: 865.50 1) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE	
	Per J. Lebello Ap73543036IA Rechcraft Piper 14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302 Date: 5/11/2012; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 865.50; Engine - Type: IO-550-N(46), S/N: 690850, Time: 865.50 1) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 12-1546 DATE: 5/11/2012	
	Per J. Lebello Ap73543036IA Rechcraft Piper 14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302 Date: 5/11/2012; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 865.50; Engine - Type: IO-550-N(46), S/N: 690850, Time: 865.50 1) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 12-1546 DATE: 5/11/2012	
	Peechcraft 14299 SW 127th St, Suite 101 Miami, Florida 33186 Ph: 305-259-8291 Fx: 305-259-8302 Date: 5/11/2012; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 865.50; Engine - Type: IO-550-N(46), S/N: 690850, Time: 865.50 1) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE	

14299 SW 127th St, Suite 101

Miami, Florida 33186

Ph: 305-259-8291 Fx: 305-259-8302

Brough

Date: 7/18/2012; Aircraft: N174DL; Type: Cirrus SR22; Hobbs: 916.80; Total Time: 880.70; Engine - Type: IO-550-N(46), S/N: 690850

1) Perform Annual/100Hr Inspection I/A/W The Cirrus SR22 Maintenance Manual

2) Compressions: #1) 65/80, #2) 70/80, #3) 59/80, #4) 70/80, #5) 71/80, #6) 65/80

3) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil,

Took Oil Sample, Filled Out All Forms

4) Installed Overhaul Magneto, P/N # 10-500556-101, S/N # D09HA217, Under Work Order # WO1170000982. Installed Overhaul Magneto, P/N # 10-500556-101, S/N # D09FA059, Under Work Order # WO1170001203, by Quality Aircraft Accessories Inc.

5) Adjust & Secure #5 Cylinder Magneto Wire To Prevent Further Chaffing, Install New Clamp P/N# MS219MWDG5

7) D/N/A - No AVStar Fuel Servo Installed

8) D/N/A - No Affected Starter Adapter Installed

9) Wash Engine & Perform Corrosion X Treatment

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY UNDER FAR 43 APPENDIX "D" ANNUAL/100 HOUR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543936/A

14299 SW 127th St, Suite 101 Miami, Florida 33186

Ph: 305-259-8291 Fx: 305-259-8302

Date: 2/21/2013; Aircraft: N174DL; Type: Cirrus SR22; Total Time: 884.70; Engine - Type: IO-550-N(46), S/N: 690850, Time: 884.70

1) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECTED OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICE ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK.

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 13-1822 DATE: 02/21/2013 SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA

Air 88 Inc. dba CROWNAIR FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123

TCM Engine

IO-550-N(46)

S/N: 690850

N174DL

Cirrus Design SR22

S/N: 2437

3-28-13

Hobbs: 969.0 Hrs

Flight Hour Meter: 922.5 Hrs

Maintenance performed:

- Changed oil and filter. Serviced with 8 Qts of Phillips 20W-50 oil and installed new oil filter, P/N CH48108-1.
- Cut open old oil filter and inspected with no metal contamination found.
- Took oil sample for analysis.

I certify that with respect to the work performed this engine was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-13-06098.

Authorized Representative

	Total	Time	55000 500000	Since verhaul	Engine Service	e and Maintenance Recording Airworthiness Directives, Special Inspection
	Hrs.	Min.	Hrs.	Min.	Modifications and Service	e Bulletins
				FAA App	ir 88 Inc. dba CROWNAIR roved Repair Station #CWN '53 John J. Montgomery Dr.	WR273K
					San Diego, CA 92123	
TCM Engin	e				IO-550-N Cirrus SR22	S/N: 690850 S/N: 2437
N174DL 8-06-13					Hobbs: 1011.8 Hrs	Flight Hour Meter: 964.2 Hrs
- Compre-	eted Ann ressions ared oil and en old oil	ual Inspere as follows: I filter. So filter and	ows: #1. erviced w d inspecte	76/80 #2. ith 8 Qts o d with no	74/80 #3. 70/80 #4. 68/80	d installed new CH48108-1 oil filter.
- Compliand mi	ied with (Cirrus Se ntrol leve	rs for loo	risory SA seness or	13-03 and TCM Critical Serv free play and verified torqued Meter or August 2014.	ice Bulletin CSB08-3B by inspection of throttle I on the retaining nut. No defects noted at this
I certify that condition.	t this eng	gine has l	oeen inspe	ected in ac	cordance with an Annual Ins	spection and was determined to be in airworthy
I certify tha current Fede this agency	eral Avia	ition Reg	ulations a	nd was fo	und to be airworthy for return	was repaired and inspected in accordance with a to service. Details of the repair are on file at Authorized Representative
				FAA App	air 88 Inc. dba CROWNAIR Droved Repair Station #CW! 753 John J. Montgomery Dr San Diego, CA 92123	NR273K
TCM Engin	ıe			FAA App	oroved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46)	NR273K
N174DL 1-27-14		rmod		FAA App	oroved Repair Station #CW! 753 John J. Montgomery Dr San Diego, CA 92123	NR273K
N174DL 1-27-14 Maintenan - Change	ce perfor	d filter.	Serviced v	FAA App 3'	oroved Repair Station #CWP 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs	S/N: 690850 S/N: 2437
N174DL 1-27-14 Maintenan - Chang - Took of I certify the regulations.	ed oil and oil sample at with re	d filter. See and sen	t in for an the works specifie	with Phillipalysis.	Proved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs Pos X/C 20W-50 oil and installed this engine was repaired at this engine	S/N: 690850 S/N: 2437 Flight Hour Meter: 1005.1 Hrs ed new oil filter, P/N CH48108-1. and inspected in accordance with current FAA and found to be airworthy for return to service.
N174DL 1-27-14 Maintenan - Chang - Took of I certify the regulations.	ed oil and oil sample at with re	d filter. See and sen	t in for an the works specifie	with Phillipalysis.	Proved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs Pos X/C 20W-50 oil and installed this engine was repaired a pork order have been inspected	S/N: 690850 S/N: 2437 Flight Hour Meter: 1005.1 Hrs ed new oil filter, P/N CH48108-1. and inspected in accordance with current FAA and found to be airworthy for return to service.
N174DL 1-27-14 Maintenan - Chang - Took of I certify the regulations.	ed oil and oil sample at with re	d filter. See and sen	t in for an the works specifie	with Phillipalysis.	Proved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs Pos X/C 20W-50 oil and installed this engine was repaired a pork order have been inspected	S/N: 690850 S/N: 2437 Flight Hour Meter: 1005.1 Hrs ed new oil filter, P/N CH48108-1. and inspected in accordance with current FAA and found to be airworthy for return to service. 412.
N174DL 1-27-14 Maintenan - Chang - Took of I certify the regulations.	ed oil and oil sample at with re	d filter. See and sen	t in for an the works specifie	with Phillipalysis.	Proved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs Pos X/C 20W-50 oil and installed this engine was repaired a pork order have been inspected	S/N: 690850 S/N: 2437 Flight Hour Meter: 1005.1 Hrs ed new oil filter, P/N CH48108-1. and inspected in accordance with current FAA and found to be airworthy for return to service. 412.
N174DL 1-27-14 Maintenan - Chang - Took of I certify the regulations.	ed oil and oil sample at with re	d filter. See and sen	t in for an the works specifie	with Phillipalysis.	Proved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs Pos X/C 20W-50 oil and installed this engine was repaired a pork order have been inspected	S/N: 690850 S/N: 2437 Flight Hour Meter: 1005.1 Hrs ed new oil filter, P/N CH48108-1. and inspected in accordance with current FAA and found to be airworthy for return to service. 412.
N174DL 1-27-14 Maintenan - Chang - Took of I certify the regulations.	ed oil and oil sample at with re	d filter. See and sen	t in for an the works specifie	with Phillipalysis.	Proved Repair Station #CWN 753 John J. Montgomery Dr San Diego, CA 92123 IO-550-N(46) Cirrus Design SR22 Hobbs: 1051.7 Hrs Pos X/C 20W-50 oil and installed this engine was repaired a pork order have been inspected	S/N: 690850 S/N: 2437 Flight Hour Meter: 1005.1 Hrs ed new oil filter, P/N CH48108-1. and inspected in accordance with current FAA and found to be airworthy for return to service.

Date	Tota	al Time	20 000000000000000000000000000000000000	Since Overhaul		and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Air Modifications and Service Br	worthiness Directives, Special Inspections,
t _					IVIOUIIICAUOTIS AITU SELVICE DI	nieuris
-				FAA Ap	Air 88 Inc. dba CROWNAIR proved Repair Station #CWNR 753 John J. Montgomery Dr. San Diego, CA 92123	273K
N174DI 5-21-14					Cirrus Design SR22 Hobbs: 1128.5 Hrs	S/N: 2437 Flight Hour Meter: 1082.0 Hrs
- Ch CH	nance perf anged engi 48108-1 oi ok oil samp	ine oil and il filter.			th 7 Qts of Aeroshell W100 oil	and 11.2 Oz of Camguard and installed new
I certify regulation	that with	respect to	o the wor	k perform	ed this engine was repaired and ork order have been inspected and der Work Order No. PA-14-06566	inspected in accordance with current FAA d found to be airworthy for return to service. Authorized Representative
	p.			FAA App	ir 88 Inc. dba CROWNAIR broved Repair Station #CWNR2 753 John J. Montgomery Dr.	73K
				3	San Diego, CA 92123	
	ince perfo		ag timing		IO-550-N(46) Cirrus Design SR22 Hobbs: 1142.7 Hrs grees I/A/W TATI Instructions.	S/N: 690850 S/N: 2437 Flight Hour Meter: 1096.3 Hrs
- Rem	oved, clea	ned and i	nspected :	spark plug	s. Tested spark plugs and found ground rum, mag checks were go	d #1 and #3 bottom spark plugs with weak lood.
regulation	s. Only th	nose items	specified	in the wo		inspected in accordance with current FAA found to be airworthy for return to service.
					ϵ	Authorized Representative
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Engine Service and Maintenance Record Time Since Installations, Inspections, Airworthiness Directives, Special Inspections. **Total Time** Date Last Overhaul Modifications and Service Bulletins Min. Hrs. Min. Hrs. Bro Air 88 Inc. dba CROWNAIR FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123 S/N: 690850 IO-550-N S/N: 2437 TCM Engine Cirrus SR22 Flight Hour Meter: 1103.7 Hrs Hobbs: 1149.9 Hrs N174DL 8-14-14 Completed Annual Inspection using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105. Maintenance performed: Compressions are as follows: #1. 66/80 #2. 67/80 #3. 56/80 #4. 64/80 #5. 76/80 #6. 59/80. Changed oil and filter. Serviced with 8 Qts of Aeroshell W100 oil and installed new CH48108-1 oil filter. Cut open old oil filter and inspected with no metal contamination found at this time. Took oil sample and sent out for analysis. AD 2014-05-29 is N/A to this engine. No record of SAP replacement cylinders installed. Complied with TCM CSB08-3C, Para. III, by inspection of throttle and mixture control levers for looseness or free play and verified torqued on the retaining nut. No defects noted at this time. Due again @ 1203.7 Hrs Flight Hour Meter or Removed #1 cylinder head drain line assy and cleaned, applied 2 part epoxy over hole and allowed to dry. Reinstalled drain line assy and adjusted to prevent further chaffing. Removed #3 and #5 exhaust heat shield and secured mount tabs, stop drilled cracks and reinstalled to engine. Repositioned loose right side exhaust turbo support brackets and attached with new bolt and spacers. Retorqued loose right exhaust tail pipe clamp and safety wired. Cleaned #2 cylinder exhaust riser, dye checked for crack and none found. Smoothed out affected area by light sanding. Removed broken rivet at baffle below alternator exhaust area and reattached using nut and screw. Stop drilled cracks on baffles near right intercooler adjacent to #3 cylinder and deburred holes. Removed carbon build up from oil breather hose and reattached to exhaust duct. Forward baffle cracked at mounting bolt adjacent to crankshaft seal. Removed bolt and stop drilled crack, reinstalled bolt with area washer to help strengthen area. Removed induction air filter, cleaned, re-oiled and reinstalled I/A/W K&N filter instructions. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-14-06670. Authorized Representative

Date	Total	Time		Since verhaul		e and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Modifications and Service	Airworthiness Directives, Special Inspections,
1.1					I Woullications and Service	Bulletins
				FAA Ap	Air 88 Inc. dba CROWNAII proved Repair Station #CW 1753 John J. Montgomery D San Diego, CA 92123	NR273K
TCM Eng N174DL 12-04-14 Maintena	ince perfe	ormed:			IO-550-N(46) Cirrus Design SR22 Hobbs: 1157.3 Hrs	S/N: 690850 S/N: 2437 Flight Hour Meter: 1111.5 Hrs
- Custoil bengin	omer reported the control of the con	orted that ose to ex	haust pip	oil on L/F e. Remov of TKS fl	ved hose, cleaned area, reinst	Removed engine cowling and found oil leaking at talled hose and torqued hose clamp. Re-cowled
I certify t	hat with	respect t	o the wor	rk perforn	and this engine was renaired	and inspected in accordance with current FAA and found to be airworthy for return to service. Authorized Representative Authorized Repres
		1				
				3	753 John J. Montgomery Dr San Diego, CA 92123	
TCM Engir N174DL 3-06-15	ne				IO-550-N(46) Cirrus Design SR22 Hobbs: 1181.1 Hrs	S/N: 690850 S/N: 2437 Flight Hour Meter: 1136.9 Hrs
checks	ed leakin good.	g oxyger				I and serviced oxygen system to 1950 PSI. Leak
- Performatail par	ned functionels work	tional che ing prope and trim	eck of TK erly at this panels to	S system s time. No o gain ac	o fluid getting to prop ring. (be bled. Bled system and operated, all wing and Customer denied further action at this time. Tightened loose nut and reinstalled mic jack.
I certify the	at with re	espect to	the work	performed in the we	ed this engine was repaired	and inspected in accordance with current FAA d and found to be airworthy for return to service.
Details of th	е герап а	ire on me	at tino ag	geney and		Authorized Representative
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Engine Service and Maintenance Record Time Since **Total Time** Date Installations, Inspections, Airworthiness Directives, Special Inspections, Last Overhaul Min. Hrs. Min. Hrs. Modifications and Service Bulletins Broi Air 88 Inc. dba CROWNAIR FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123 IO-550-N(46) TCM Engine S/N: 690850 Cirrus Design SR22 N174DL S/N: 2437 Flight Hour Meter: 1150.9 Hrs Hobbs: 1195.0 Hrs 3-26-15 Maintenance performed: Changed engine oil and filter. Serviced with 8 Qts of Aeroshell W100 oil and installed new CH48108-1 oil filter. Took oil sample and sent in for analysis. I certify that with respect to the work performed this engine was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. PART ON THIS FUR THERE

Date **Total Time** Time Since Engine Service and Maintenance Record Air 88 Inc. dba CROWNAIR FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123 TCM Engine IO-550-N S/N: 690850 N174DL Cirrus SR22 S/N: 2437 9-08-15 Flight Hour Meter: 1162.8 Hrs Hobbs: 1206.6 Hrs Maintenance performed: Completed Annual Inspection using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105. Changed oil and filter. Serviced with 8 Qts of Aeroshell W100 oil and installed new CH48108-1 oil filter. Washed Cut open old oil filter and inspected with no metal contamination found at this time. Took oil sample and sent out for analysis. Complied with TCM SB03-3 by performing cylinder differential pressure test and borescope inspection, no defects noted at this time. Compressions results are as follows: #1. 72/80 #2. 72/80 #3. 60/80 #4. 62/80 #5. 70/80 #6. 70/80. Complied with TCM CSB08-3C, Para. III, by inspection of stainless steel throttle and mixture control levers and no defects noted at this time. Due again @ 1262.8 Hrs Flight Hour Meter or September 2016. Complied with Tornado Alley Inc. Scheduled Maintenance Checks, Report 215-10. No defects noted at this time. Due every 100 Hrs or 12 Mos whichever occurs first. Due again @ 1262.8 Hrs Flight Hour Meter or September 2016. Complied with Tornado Alley Turbo (TAT) SB09-01 by inspection of exhaust manifolds for cracks around the turbo mount flanges, no defects noted at this time. Due every oil change. Complied with TAT SB10-01 by inspection of hinge pin ends on the alternate air door for cracks, no defects noted at this time. Due every 12 Mos. Due again September 2016. Complied with TAT SB10-02 Rev. B, by inspection of tailpipe brackets per TATI Instructions for Continued Airworthiness, no defects noted at this time. Due every 12 Mos. Due again September 2016. Complied with TAT SB11-04 by inspection and cleaning of the turbocharger oil supply inlet screens, no defects noted at this time. Due every 12 Mos. Due again September 2016. Complied with TAT SB12-02 by inspection of engine driven fuel pump for leakage around the mixture control shaft, no defects noted at this time. Due every 50 Hrs. Due again @ 1212.8 Hrs Flight Hour Meter. Complied with TAT SI08-01 Rev. A, by removal of oil build up on crankcase breather discharge tube. Due every 50 Hrs. Due again @ 1212.8 Hrs Flight Hour Meter. Complied with TAT SI08-04 by pressure test of cabin heat exchanger, no defects noted at this time. Due every 100 Hrs. Due again @ 1262.8 Hrs Flight Hour Meter. Complied with TAT S108-05 Rev. A, by removing induction air filter, cleaned, serviced and reinstalled. Due every 100 Hrs or 12 Mos whichever occurs first. Due again @ 1262.8 Hrs Flight Hour Meter or September 2016. Complied with TAT SI11-01 by inspection, cleaning and lubrication of the exhaust system. No defects noted at this time. Due every 12 Mos. Due again September 2016. Complied with TAT SI11-03 by inspection of turbocharger support rods, bolts and brackets for wear, no defects noted at this time. Due every 12 Mos. Due again September 2016. Removed and replaced worn R/H slave wastegate with P/N 22-6150026 and torqued bolts to 70 in/lbs. Installed new wastegate gaskets P/N FG0120830 and new clevis pin P/N MS21046C4. Installed master control linkage. Ops checks Cylinder #2, #3, #4 and #6 fuel drain back tube is leaking at #4 B-nut. Tightened B-nut and replaced packing P/N 633958-3. Pressure test and no leaks at this time. Removed and reinstalled R/H exhaust tailpipe assy to facilitate weld repair to aft nipple weld. installed new V-Band clamp P/N 11-1100023 and torqued to 60 in/lbs. Ops checked exhaust assy, verified torque on V-Band clamp and safetied clamp. Removed and replaced L/H upper support bracket for wastegate controller with P/N 22-625006. Reinstalled intercooler

induction tubing. No defects noted.

Removed and replaced L/H wastegate controller bolt that connects both upper and lower bracket with P/N MS21250-

Removed and replaced R/H intercooler to facilitate weld repair to forward inboard mounting tab.

Drilled out and replaced broken rivet at left forward engine baffle mounting tab.

Brou

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-15-07301.

Authorized Representative

Date	Total	Time	,	Since	Engine Servic	e and Maintenance Reco
	Um	Min.	Hrs.	verhaul Min.	Installations, Inspections	s, Airworthiness Directives, Special Inspection
	Hrs.	IVIII1.	піъ.	IVIII 1.	Modifications and Service	e Bulletins
				A	ir 88 Inc. dba CROWNAIR	}
]		proved Repair Station #CW	
					753 John J. Montgomery Dr	
					San Diego, CA 92123	
					10 550 N	
TCM Engine	2				IO-550-N	S/N: 690850
N174DL					Cirrus SR22 Hobbs: 1225.2 Hrs	S/N: 2437
9-19-16 Maintenanc	o porfor	med:			110003. 1223.2 1113	Flight Hour Meter: 1182.6 Hrs
- Comple	ted Anni	<u>meu</u> . ual Inspe	ection usin	ng Crown	air Aviation Annual/100 Hou	ir Inspection Checklist, Form CA 105.
- Change	d oil and	filter. So	erviced wi	ith 8 Qts o	of Aeroshell W100 oil and in	stalled new CH48108-1 oil filter.
- Cut ope	n old oil	filter and	l inspected	d with no	metal contamination found a	t this time.
- Took oi	l sample	and sent	out for an	alysis.		
- Compli	ed with 7	CM SB	03-3 Cyli	nder diffe	erential pressure test and bor	escope inspection, no defects noted at this time.
Due eve	ery 100 F	ars or wn	en cynna	er problen	ns are suspected. Due again	(a) 1282.6 Hrs Flight Hour Meter. Compression
results a	re as foll	lows: #1	. 4//80 #	2. 65/80	#3. 60/80 #4. 32 /80 #5. 5	5/80 #6. 65/80.
- #4 cylir	der com	pression	is low. G	ained acc	cess to cylinder head by remo	oving intercooler and induction ducts. Removed
exhaust	rocker a	ssy and v	alve sprin	gs and cle	eaned exhaust valve face and	seat. Reinstalled valve springs and rocker using
ducts n	erformed	l ground :	run and le	ak checke	good. Compression is now	N 655705. Reinstalled intercooler and induction
- Complie	ed with T	CM CSI	R08-3C. I	ak cheeks Para III	by inspection of stainless sta	roll throttle and mixture control levers, no defects
noted at	this time	e. Due as	gain @ 12	82 6 Hrs	Flight Hour Meter or Septem	ber 2017
- Complie	ed with	TCM SB	95-7A Ma	anifold va	alve cover inspection no leal	ks detected at this time. Due at each scheduled
mainten	ance inte	erval or w	henever f	fuel flow f	fluctuation is encountered.	as detected at this time. Due at each scheduled
- Complie	ed with '	Tornado	Alley In	c. Sched	uled Maintenance Checks.	Report 215-10. No defects noted at this time
Due eve	ry 100 H	irs or 12	Mos whic	hever occ	curs first. Due again @ 1282.	6 Hrs Flight Hour Meter or September 2017
t - Compile	a with	Lornado	Alley Tu	ırbo (TA	T) SB09-01 by inspection of	f exhaust manifolds for cracks around the turbo
mount i	langes, n	o defects	s noted at	this time.	Due every oil change.	
- Complie	ed with	IAI SB	10-01 by	inspection	of hinge pin ends on the al	ternate air door for cracks, loose rivets, etc., no
- Complie	d with	TAT S	Due eve	ry 12 Mos	s. Due again September 2017	7.
Airwort	hiness n	o defects	noted at a	this time	Due every 12 Mes. Pro-	rackets per TATI Instructions for Continued
- Complie	ed with 7	TAT SR1	1-04 hv i	nspection	Due every 12 Mos. Due aga	un September 2017. urger oil supply inlet screens, no defects noted a
lins time	. Due e	very 12 f	Mos. Due	again Sei	ptember 2017	
- Complie	ed with 7	TAT SB1	12-02 by i	nspection	of engine driven fuel nump	for leakage around the mixture control shaft, no
ucicus	ioteu at	uns ume.	Due eve	ry ou Hrs	. Due again (a) 1232.6 Hrs Fl	ight Hour Meter
- Complie	ed with	FAT SIO	8-01 Rev	. A, by re	emoval of oil build up on cra	ankcase breather discharge tube. Due every 50
Hrs. Dt	le again	(a) 1232.6	o Hrs Flig	ht Hour N	Aeter.	•
- Complie	d with T	AT SIO	8-04 by p	ressure te	st of cabin heat exchanger, no	o defects noted at this time. Due every 100 Hrs.
Duc aga	m (ω , 120	02.0 1115	riight Ho	ur Meter.		
Hrs or 1	2 Mag w	hichever	o-U5 Kev.	A, by re	moving induction air filter, cl	leaned, serviced and reinstalled. Due every 100
- Complie	d with T	AT SI1	1-01 hv in	snection	cleaning and lubrication and lubrication	our Meter or September 2017.
Due eve	ry 12 Ma	os. Due	again Sep	spection, tember 20	oreaning and indrication of th	the exhaust system. No defects noted at this time.
- Complie	d with T	AT SII	1-03 by in	spection	of turbocharger support rode	bolts and brackets for wear, no defects noted at
unis unit	. Due e	very 12 r	vios. Due	again Sei	otemper 2017	
- Remove	d and re	eplaced b	oroken alt	ernate air	r door switch with new P/N	N ETI-B-703-SR, adjusted switch and checked
operatio	ii, chicck	s good at	uns ume.			S 705 SK, adjusted Switch and checked
- Secured	several o	engine he	eater probe	e wires wi	ith RTV as required.	
- Remove	d and rep	placed w	orn oil fill	er cap gas	sket with new P/N 642892.	
Loantification	ela i a					
condition.	unis eng i	ine has b	een inspe	cted in ac	cordance with an Annual In	spection and was determined to be in airworthy
COndition						

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at

Authorized Representative

this agency under Work Order No. PA-16-07755.

Date	Total	Time	500000000000000000000000000000000000000	Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Rrought Forward		-			
					CROWNAIR

CROWNAIR FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123

TCM Engine N174DL 10-16-17

IO-550-N

S/N: 690850

Cirrus SR22 Hobbs: 1249.8 Hrs

S/N: 2437 Flight Hour Meter: 1207.9 Hrs

Maintenance performed:

- Completed Annual Inspection using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.
 Researched ADs through bi-weekly issue of this date, all ADs are in compliance at this time.
- Changed oil and filter. Serviced with 8 Qts of Aeroshell W100 oil and installed new CH48108-1 oil filter. Washed engine.
- Cut open old oil filter and inspected with no metal contamination found at this time.

Took oil sample and sent out for analysis.

- Complied with TCM SB03-3 by performing cylinder differential pressure test and borescope inspection, no defects noted at this time. Compressions results are as follows: #1. 64/80 #2. 68/80 #3. 58/80 #4. 74/80 #5. 72/80 #6. 66/80.
- Complied with TCM CSB08-3C, Para. III, by inspection of stainless steel throttle and mixture control levers and no defects noted at this time.
- Complied with Tornado Alley Inc. Scheduled Maintenance Checks, Report 22-6460004. No defects noted at this time.
- Complied with **Tornado Alley Turbo (TAT) SB09-01** by inspection of exhaust manifolds for cracks around the turbo mount flanges, no defects noted at this time.
- Complied with TAT SB10-01 by inspection of hinge pin ends on the alternate air door for cracks, no defects noted at this
 time.
- Complied with TAT SB10-02 Rev. B, by inspection of tailpipe brackets per TATI Instructions for Continued Airworthiness, no defects noted at this time.
- Complied with TAT SB11-04 by inspection and cleaning of the turbocharger oil supply inlet screens, no defects noted at this time.
- Complied with TAT SB12-02 by inspection of engine driven fuel pump for leakage around the mixture control shaft, no defects noted at this time.
- Complied with TAT SI08-01 Rev. A, by removal of oil build up on crankcase breather discharge tube.
- Complied with TAT S108-04 by pressure test of cabin heat exchanger, no defects noted at this time.
- Complied with TAT SI08-05 Rev. A, by removing induction air filter, cleaned, serviced and reinstalled.
- Complied with TAT SI11-01 by inspection, cleaning and lubrication of the exhaust system. No defects noted at this time.
- Complied with TAT SI11-03 by inspection of turbocharger support rods, bolts and brackets for wear, no defects noted at this time.
- Removed and replaced all spark plugs with new P/N URHB32E, performed ground run, mag checks were good.
- Replaced #5 exhaust shroud with new P/N ETI-G2-20 and secured with new band clamp.
- Replaced worn out heat exchanger scat tube with new section of #5 scat and secured.

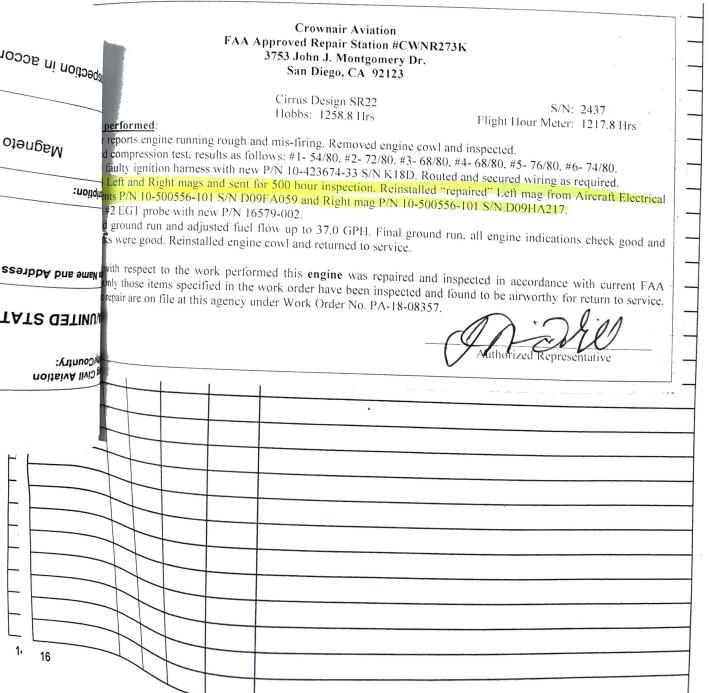
I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-17-08123.

Authorized Representative

Crownair Aviation FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. Di San Diego, CA 92123 Cirrus Design SR22 S/N: 2437 N174DL Hobbs: 1254.6 Hrs Flight Hour Meter: 1213.5 Hrs 01-03-18 Maintenance performed: Customer reports #2 EGT reading 100 degrees lower than all others. Performed ground run and noted #2 EGT was 100 Customer reports #2 CHT 30 degrees higher. Removed and cleaned top and bottom #2 EGT was 100 degrees lower as well as #2 CHT 30 degrees higher. Removed and cleaned top and bottom #2 cylinder spark plugs, degrees lower as with a degrees lower as with a degree lower and a degree lower as with a degree lower and a degree lower as with a degree lower as with a degree lower and a degree lower as with a degree lower as with a degree lower and a degree lower as with a degree lower and a degree lower as with a degree lower and a degree lower as with a degree lower and a degree lower as with a degree lower and a degree lower and a degree lower as with a degree lower and a degree lower as with a degree lower and a degree lower and a degree lower as with a degree lower and a degree lower lower and a degree lower and a degree lower and a degree lower cleaned and refindation coupling clamps. Performed another ground run and all cylinder EGT and CHT temp indications reading properly at this time. Reinstalled engine cowl. certify that with respect to the work performed this engine was repaired and inspected in accordance with current FAA certify that with respect to a contract with regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. petails of the repair are on file at this agency under Work Order No. PA-18-08202. Crownair Aviation FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123

Brought



	Total	Time	Time Since Last Overhaul		Engine Service and Maintenance Red		
	Hrs.	Min.	Hrs.	Min.	Installations, Inspection	ons, Airworthiness Directives, Special Inspection	
			FAA	3753 J	CROWNAIR d Repair Station #CWN ohn J. Montgomery Dr. an Diego, CA 92123	R273K	
M Engine 74DL 21-18				Cirru	50-N us SR22 bs: 1267.6 Hrs	S/N: 690850 S/N: 2437 Flight Hour Meter: 1226.9 Hrs	
Complied w time. Complied w time. Complied w time. Complied w this time. Complied w this time. Complied w this time. Complied w this time. Complied w time.	Annual ADs thro and filter Perform doil filter ple and s ith cylind s follows: ith TCM ith TCM ith Torn es, no def ith TAT ith TAT d at this ti ith TAT ith TA	Inspectiugh bi-wer. Service and inspection and inspection sent out fider differ and inspections and Alle and Alle and Alle sets notes SB10-01 F SB10-01 SB12-02 ime. SI08-01 SI08-01 SI08-04 SI08-05 SI11-03 cement of ard exhau	eekly issued with a run, lead of run, lead with a run, lead of run, le	Crowna are of this of 8 Qts of A ak checks h no meta is. Sesure test of 8/80 #3. Inless steel ld valve of distributor heduled ld (TAT) Stime. Cotion of he are test of a y removare test of a y remova	ir Aviation Annual/100 date, all ADs are in complactoshell W100 oil and in good. Reinstalled engine I contamination found at and borescope inspection 62/80 #4. 65/80 #5. 74 throttle and mixture contover inspection, no defect gear block inspection, no Maintenance Checks, Romaine pin ends on the alternance of tailpipe brocking of the turbocharming of the turbocharming induction air filter, cleation, cleaning and lubrical rebocharger support rods, boolt flanged nuts with Manew P/N ETI-G2-20-21.	Hour Inspection Checklist, Form CA 105. iance at this time. installed new CH48108-1 oil filter, torqued and cowl. this time. In, no defects noted at this time. Compressions /80 #6. 72/80. rol levers and no defects noted at this time. is noted.	

. /				1202 2: T-1-1	T
Data	To	Date: 8/21/20	19; Aircraft: N174DL; Typ	e: SR22; S/N: 2437; Hobbs: 1292.2; Total	Time: 1255.0; Engine - Type:
Date	10	10550N, S/N.	690850, Time: 1255.0, SM 19-10555, Closed: 8/23/2	MOH 1255.0	
	-		- manarative Troublechot	alternator #1 charging system. Found after	nator to be defective. Removed
	Hrs	1	-Harnator #1 with now PM	A direct replacement Plane Fower diternate	P/N C28-150 Serial number
LA Carvo	rd	1. 0. 4.1. 11	DODOEO1 Inctalled new dr	rive coupling copper thrust washer F/N 030	2091 Removal installation and
rought Forwar	ra —	Inspection of a	alternator and alternator clu	utch drive coupling done I.A.W. TCM Stan	dard Practice Maintenance
		Manual, pages	s 10-4 thru 10-14.		
			120 6		
		Signature:	Chris Conkins A&P 28491	27	
			Cilila Collidina / Car 20 io i		
		-			
	-	- Janeary			Flying Cloud Airport
					14801 Pioneer Trail
	PREM	IER			Eden Prairie, MN 55347
	JET CENT	ER			PH: 952-641-2020
		dalı Cirrus SD2	,	N174DL	Flight Hobbs: 1296.2
	A/C Make/Mc A/C S/N: 243	odel: Cirrus SR22 7	i	12-26-2019	ACTT: 1296.2
	Engine Mode	el: IO-550-N		Work Order 12834	Engine TT: 1325.9
	Engine S/N:	690850			
	Completed the	following Engine Ma	intenance and/or Inspection(s):		
	ttlenet				
		omplied with a 100 h	our inspection this date referencing	ng Cirrus SR22 MM 5-20 inspection report and FAR 43	Appendix D.
	Time I imited It	tems:		4/80 #2: 58/80 #3: 58/80 #4: 68/80 #5: 66/80 #6: 68/80	
	. D	oformed Tornado Al	ey Turbo 100 hour inspection iter	m referencing Tornado Alley Turbo ICA form 22-646000)4.
	• Pe	erformed 300 hour 1	2 month cleaning of fuel injector n nd O rings PN 630979-9. Ref Cor	nozzles. Removed nozzles. Cleaned nozzles Using Hop hipental M-0 6-4 17.	pes #9. Installed nozzles with new seals
	AD's and Serv		Id O Hilligs I 14 030373-3. INCI OOI	milena in o o stri	
		Ing NA: Porformed 1	h Bi-Weekly 2019-26	8-04. Pressure tested both left and right exhaust heat e	xchangers, no defects noted.
		INS NE Completed	innual Tornado Alley Turbo SI08-0	05 Removed cleaned and serviced the induction air filt	er. Installed serviced air filter.
	• <u>s</u>	I11-01: Completed f slip joints not require	12 month Tornado Alley Turbo Si	11-01. Inspected Exhaust system slip joints, no defects	needed. Removal, cleaning and lubricating
	• <u>s</u>	In slip joints not required 1	2 month Tornado Alley Turbo SI1	1-03. Removed turbocharger and waste gate support b	olts. Inspected bolts and brackets for wear.
		o defects noted. Ins	Tomado Alloy Turbo SB09-01 Vi	sually inspected exhaust manifolds for cracks, no defect	ets noted.
	• S	B10-01: Completed	12 month Tornado Alley Turbo Si	B10-01. Inspected alternate air door hinge for retention,	no defects noted. Inspected alternate air
	d	oor hinge for cracking	and loose rivets no defects not	ed. B10-02. Inspected tailpipe brackets for cracks, no defec	
	• 5	B10-02: Completed	12 month Tornado Alley Turbo Si	B11-04. Removed left and right turbocharger oil supply	inlet screens. Cleaned screens and
	ir	nstalled. No defects	noted.	12-02 Visually inspected fuel pump for leakage around	mixture control shaft, no defects noted.
~	• §	SB08-3C: Completed	ed 100 hour Continental CSB08-7	3C, Para. III. Inspected stainless steel throttle and mixtu	re control levers for looseness, no defects
	-	oted			
				anifold for leaks, no defects noted.	
	• [Orained engine oil. I		d oil filter, no defects noted. Installed new oil filter P/N	: CH48108-1 and serviced engine with 7
		quarts of Phillips 20V Replaced #4 cylinde	r-ou oll. r exhaust rocker cover gasket usi	ng new gasket, PN: 658735, with TCM PN: 646942 Ga	asket Maker applied. Ref: Continental M-0
		4 DO		ly duct. Installed new duct P/N: 04-6400001-12-136-6	
		secombly Reference	Tornado alley turbo Drawing 22-	6450011 Rev. B.	, section an pox and alternate an door
		Enbricated and insta	lled doubler using .063 2024-T3 al	luminum for RH intercooler upper mounting flange.	
		Tabalantad and insta	llod doubler from 0.040" 2024 T3 :	aluminum for Left hand baffle shelf. aluminum for R/H aft baffle at cutout for intercooler uppo	er outboard corner.
	•	Removed old L/H tur	bo outlet induction tube. Installed	new induction tube P/N: ETI-G2-204-102 on L/H turbo.	Ref: TATI ICA 22-6460004.
			perational and leak check found to		the state of the second for
	I certify that the	his aircraft engine ha	is been inspected in accordance	with a 100 hour inspection and was determined to be all alls of this repair and/or inspection are on file at this r	n airworthy condition and is approved for epair station under Work Order # 12834
	Dated: 12-26		to thorn portormou, i oranorit dou	11 6 11	
			Authorized Signature:	Bradley S Cors	30
			For Pren	nier Jet Center FAA CRS #6EXR899B	
				End	***************************************
	1	1 1	I I		
		 			
		N174	DL DATE: JUNE 30,	2020 FLT HOBBS: 1342.5	
		- Drain	ed engine oil and serv	viced with 7 qts Phillips 20W50XC.	
				08-1. Cut open old filter and inspec	cted
				kay. Post maintenance leak check	
		pieats		yay, i ost mannenance leak check (JKay.
		///	6/10/1		
		+ -/	me soft		
	1	Maŕk	A. Riegelman AP265	6664IA	2000048

8130-3 (02

	Date	Total	Time		Since verhaul	Engine Service and M	laintenance Red	ord
		Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthines Modifications and Service Bulletins	ss Directives, Special Inspe	ctions,
Brol						Medinedicine and cervice bulletins		
			,					
_	DDEM	ED					Flying Cloud Airport 14801 Pioneer Trail	
	PREMI JET CENT						Eden Prairie, MN 55347 PH: 952-641-2020	
	A/C Make/Mod	lel: Cirrus	S S D 22				111.0020112020	
	A/C S/N: 2437					N174DL 1/13/2021	Hobbs: 1433.4 ACTT: 1411.5	
	Engine Model: Engine S/N: 69	90850	4			Work order 13603	Engine TT: 1411.5	
	Completed the fo	llowing Eng	ine Mainten	ance and/or I	nspection(s):			
	Inspections: • Con	npleted Anr	nual inspectio	on this date re	eferencina Ciri	rus SR-22 AMM 5-20 and FAR 43 Appendix D.		
	Time Limited Ite	ms:	ipression che	eck of engine	cylinders #1:	54/80 #2: 71/80 #3: 50/80 #4: 66/80 #5: 62/80 #6: 54/80, MC		
						FA059. Installed Overhauled magneto P/N: 10-500556-101. I/O: 18295 12/21/2021. Timed magneto to engine to 21.2	S/N: D09FA059 with new gasket P/N:	
	Ren	noved R/H	Magneto P/N	N: 10-500556	manuai M-0 S i-101 S/N: D0	ection and 10-5.2. 9HA217 Installed Overhauled magnete. P/N: 10 500556	101 S/N: DOOHA217 with new casket	
	prac	ctice manua	al M-0 Section	n and 10-5 2	ai Componen	ts W/O: 18295 dated 12/21/2020. Timed magneto to engir	ne to 21.2* BTDC. Ref TCM standard	
	 Cor 	npleted 100	hr lubricatio	n items Ref	Cirrus SP-22	AMM 12-20. 2 AMM Ch. 12-20		
	• Rev	riewed AD's	s and SB's th	rough Bi-We	ekly 2021-01			
	• <u>I or</u> alte	rnado <i>Alle</i> y rnate air do	<u>/ Turbo SB1</u> oor hinge for	0-01: Complete retention in	eted 12 month	n Tornado Alley Turbo SB10-01 inspection of hinge pin ended. Also inspected alternate air door hinge for cracking and	s on the alternate air door. Inspected	
	• <u>Tor</u>	nado Alley	Turbo SB10-	01 0-02: Comple	ated 12 month	Turbo SB 10-02 inspection of tail pipe brackets. Visually ins		
	• <u>Tor</u>	nado Alle	Y Turbo SB	urbo SB10-02 11-04 : Comi	2. oleted 12 mor	oth Tornado Alley Turbo SB11-04 inspection and clean of	the turbo charger oil inlet screens.	
	turk	oo. Ref Torr	nado Alley Tu	e assembly. urbo SB11-04	Cleaned ada	pter screen with solvent. Reassembled FS-167 Valve Asse	embly. Installed the FS-167 onto the	
	uei	ecis iouna.	Ref Tornado	Alley Turbo	SI11-01. Revi	Tornado Alley Turbo SI11-01 inspect clean and lubricate ex sion A		
	• <u>Tor</u>	nado Alle nado Alley	<u>y Turbo SI0</u> Turbo SI08-(18-05: Compl 05	ied with 12 m	nonth Tornado Alley Turbo SI08-05 by installation of new i		
	car	oin neat exc	changers, no	defects note	 Ref Tornado 	Fornado Alley Turbo SI08-04 pressure test of cabin heat exc to Alley Turbo SI08-04.		
	Re	moved turb	ocharger and	d waste gate	support bolts.	Tornado Alley Turbo SI11-03 inspection of turbocharger supp Inspected bolts and brackets for wear. No defects noted. Ref	Tornado Alley Turbo SI11-03.	
	cor	ntrol shaft. I	nspected en	gine driven fu	el pump for le	Fornado Alley Turbo SB12-02 inspection of engine driven fu akage around mixture control shaft. Ref Tornado Alley Turbo	SB12-02	
	• <u>Co</u>	ntinental (CSB08-3C: (Complied wit	h 100 HR Co	do Alley Turbo SB09-01 inspection. No defects found. Ref To ntinental CSB08-3C paragraph III, inspection of the stainle		
					al CSB08-3C p with 50 HR TO	paragraph III CM SB 95-7A manifold valve cover inspection. No leaks found	d. Ref Continental Motors SB95-7A	
	Maintenance &			ad cut open	and inspected	oil filter, no defects noted. Installed new oil filter P/N: AA4810	No and serviced engine with 7 quarts	
	of .	Phillips 20V	V-50 oil.			gascolator with new o-rings MS29513-137 and NAS1523-8B.		
	Cir	rus SR-22	AMM 28-20.			ectors using new o-rings, new copper washers, and new rub	•	
	Air	craft Engine	e Maintenand	e Manual Pu	blication M-0,		To the state of th	
	• Re	moved left 243.13-1b c	rear baffle fr hapter 4.	rom engine. I	Fabricated 2 d	loublers from .050 2024-T3 sheet, drilled up and riveted to b	paffle. Installed baffle on engine ref.	
	• Fa	bricated an	d installed do	oubler on fron	t right baffle a	under reef plug adel clamp. Ref. AC43.13-1b chapter 4. long upper edge & by #5 cylinder with MAN426-3-3 rivets. Re	eference AC43.13-1b Chapter4.	
	- • Re	emoved from	nt right baffle e of hole for v	e from engir	ne. Removed e more clearar	broken rivet remains from previously installed doubler. In- nce. Installed baffle on engine. Reference AC43.13-1b chapte	stalled new MS20470AD4-6 rivets	
-	- • Fa	bricated do	oubler in the rence AC43.	aft right eng	jine baffle from er 4.	m 2024 T3 0.04" Aluminum. Installed Doubler on R/H aft I	baffle with MS20470AD4-3.5 rivets.	
_	• Re - ap	emoved sta	rter. Replace ible B-2	d o-ring P/N:	AS3578-038	on starter. Installed starter. Reference Cirrus SR22 AMM cl	-	
	12	/07/2020.)	L/H wastegat	e assembly F	/N: 470842-90	04 S/N: KAN00603. Installed overhauled (Reference Main 004 S/N: KJN00448 with new gaskets P/N: FG0120830. Oper or 23 6460044.	rational and Leak check satisfactory.	
	• In	stalled new	spark plug P.	N: URHB32E	in cylinder #1	er 22-6460004. 	Alloy Turbo ICA Dogument Number	
	22	2-6460004.				MS20392-1C13 and MS20392-1C25. Reference Tornado be satisfactory.	Alley Turbo ICA Document Number =	
	I certify that the	aircraft, air	frame, aircra	ft engine, pro	peller or appli	ance identified above was repaired and/or inspected in acco	rdance with current FAA regulations	
	inspection are	nined to be on file at this	in airworthy s repair statio	n under Worl	o is approved Order # 1360	for return to service with respect to the work performed. P	ertinent details of this repair and/or	
	_			Authorized	Signature:		_	
_	_					nier Jet Cénter FAA CRS #6EXR899B End		
-	_						_	
		r	1	1		I di	U 21 B H H H I	

Date	Total	Time		Since verhaul	Engine Service and Maintenance Recording Installations, Inspections, Airworthiness Directives, Special Inspection		
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins		
Date: 6/19/ Aircraft: N1* Engine: 10-5 Changed oil Signature	74DL; Type: S	90850 'N CV-481	09-1). Sen	Viced with 7	Hobbs: 1485.50 quarts Phillips 20W50 X/C. Operational and leak checks good.		
	. 1		r:	J 1		-	
	^^ MON	\CO	(2	18) 727-2911	proach Rd Duluth, MN 55811 ed Service Center		
	IO550N, S/Shop Order Performed Researched Changed er Performed Performed Performed Performed In International Internatio	N: 69085 #: 22-11 100 Hr in: d engine oil a particulate engine cy 70/80, #2 AW TCM ng IAW TCM ng IAW TCM ng IAW TO ecked cor t systems with the fo 11-04 by 18-01 Rev 10-01 by 11-01 by 11-03 by 11-01 by 11-05 by 11-05 by 11-05 by 11-05 by 11-05 by 11-05 by 11-06-05 by	0, Time: 1: 329 spection of ADs thru cand filter, Cale inspection of ADs thru cand filter, Cale inspection of ADs thruck and the ADs thruck and thruck	f Engine IA urrent bi-w Champion Con on filter, apression a 6 70/80, #4 SSB 03-3. Coaul manual accessories of the turboch and furboch and lubing cranko pection of all and furboch and lubing cranko pection of all and furboch and lubing spection of the pection of	SR22; S/N. 2437; Hobbs: 1527.6; Total Time: 1489.5; Engine - Type: OH: 1489.5 W CDC AMM 5-20. eekly 2022-03. CH48108-1. Serviced with 8 qts of Phillips 20W50XC engine oil. checked good. Ops and leak checks good. All work IAW CDC AMM. Individual processions of the compressions as 76/80, #5 76/80, #6 76/80, master orifice reading of 69/80. Work cleaned, gapped, tested, and rotated spark plugs. Checked magneto to serviced air filter. Cleaned main fuel screen and drained all fuel sending mounts, fluid lines, wires, and engine baffling. Inspected intake entrols. Cleaned and checked cowling. Engine run up, ops, and leak exhaust manifolds for cracks. No cracks noted. Next inspection due: ternate air door hinge for cracks and loose rivets. Next inspection due: harger support fasteners, rods, and bushings. Next inspection due: Next gof exhaust slip joints. Next inspection and lube due: next oil change fuel leakage at mixture control shaft in fuel pump. Next visual inspection due: due: every 5th Annual or 400 hours next due; 1626.9 side of intake Y-pipe for contact of engine backbone. no issue a rifilter. Next air filter recharge due: Every 100 hours or next Annual. fexhaust pipe hangars for cracks. Next inspection and was determined to be in		
	Signature:		Hagberg A	N 1900 &P 326890	8		
	Aircraft: Engine: 10	O-550-N, S oil and filt	/N: 690850	48108-1). Se	Hobbs: 1579.4 Flight: 1531.8		

	D	MONA	(O)	(218) 727-2		. Duluth. MN 55811 Center	Record al Inspections,			
	Brought	Date: 4/28/200 IO550N, S/N: Shop Order #:	690850, Tir	N174DL; Ty ne: 1537.0, S	pe: SR22; SMOH: 153	S/N: 2437; Hobbs: 1586.9; Total Time: 1537.0; Engine - Type: 7.0	ai inspections,			
		Performed Ani Researched er Complied with								
-		1) TAT SB11- 2) TAT SI08-0	04 by cleani 1 Rev.A by	ing both turbo	nkcase bre	l inlet screens. Next cleaning due: Next Annual. ather tube in exhaust pipe. Next cleaning due: Every 50 hrs.				
-		3) TAT SB-09	-01 by visua	I inspection	ngine breath of exhaust	ner hose with new 3/4" Mil-6000 hose. manifolds for cracks. No cracks noted. Every 50 hrs. Next				
-		inspection due 4) TAT SI-10-1 Next Annual.			f alternate	air door hinge for cracks and loose rivets. Next inspection due:				
		5) TAT SB-11 Annual				upport fasteners, rods, and bushings. Next inspection due: Next				
-		7) TAT SB12-	02 by visua hrs. 1587.0	al inspection	of fuel leak	aust slip joints. Next inspection and lube due: next oil change age at mixture control shaft in fuel pump. Next visual inspection icement due:every 5th Annual or 400 hours next due; 4/30/2024				
-		8) TAT SB-08 9) TAT SI-08-	-02 by inspo 05 by clean	ing and treat	ing air filter	take Y-pipe for contact of engine backbone. Next air filter recharge due: Every 100 hours or next Annual. t pipe hangars for cracks. Next inspection due per T.A.T.I. I.C.A.				
						ger P/N 466304-0003 S/N H-ZLL00141. Turbo installed with new	,			
-		Removed and Changed engir	ne oil and fil	ter, Champio	on CH4810	t and right turbo exhaust to exhaust tube segments. 8-1. Serviced engine with 8 qts of phillips X/C 20W-50 engine				
		oil. Performed particulate inspection on filter, checked good. Performed engine cylinder compression and borescope inspections. Compressions as follows: #1 66/80, #2 78/80, #3 71/80, #4 78/80, #5 76/80, #6 75/80, master orifice reading of 68/80. Work performed IAW TCM MM and SB 03-3. Checked magneto to engine timming. Cleaned, gapped, tested and rotated spark plugs. Found 3 spark plugs with broken ceramic insulators.								
		Replaced dam of accessories								
		Replaced gask Lubed engine								
		in an airworthy		as been insp	ected in ac	cordance with a 100 Hour Inspection and was determined to be				
-			12.		1	A. a.				
F	E	Signature:	ames Imbe	erg A&P 275	1176.77					
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4535 Airport Approach Rd Duluth. MN 55811
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Cirrus Authorized Service Center

Date	Engine - Typ	pe: 10-550)-N(46), S/	DL; Type: N: 690850	SR22; S/N: 2437; Hobbs: 1653.0; Tach: 1588.8; Total Time: 1588.8; 0, Time: 1588.8, SMOH: 1588.8	ecord spections,					
	Shop Order	#: 24-120 Annual / 10	133 00 Hr inspe	ection of E	Engine IAW CDC AMM 5-20.						
Brought Forw	e C. J. con	the the follo	DWING S R	e ·	eekly: 2024-08.						
				h turbook	arger oil inlet screens. Next cleaning due: Next Annual. ase breather tube in exhaust pipe. Next cleaning due: every 50 hrs.Every						
	100	0011	1 T timo								
	3) TAT SB-0	09-01 by v	risual inspe	all new da	xhaust manifolds for cracks. Found right manifold cracked. Installed a askets. Ref. TATI Installation Instructions.						
		CO 1	Mand inone	action dillo	ernate air door hinge for cracks and loose rivets. Next inspection due:						
	5) TAT SB-	11-03 by ii			arger support fasteners, rods, and bushings. Next inspection due: Next						
	7) TAT SR1	2-02 by v	isual inspe	ction of fu	of exhaust slip joints. Next inspection and lube due: next oil change lel leakage at mixture control shaft in fuel pump. Removed engine driven						
	and one cho	engine dr	iven fuel pu	imp after	o-ring replacement. See 6156 in ship 3 records. Engine run up, leak						
	Next visual i										
	O-ring replace	cement du	e:every 5th	n Annual o of undersid	or 400 hours. He of intake Y-pipe for contact of engine backbone.						
	8) TAT SB-0	3-02 by II 8-05 by cl	eaning and	treating h	(&N air filter. Next air filter recharge due: Every 100 hours or next						
	Appual										
	Poplaced an	worn cle	vis pins or	n slave wa	exhaust pipe hangars for cracks. Inspect per T.A.T.I. I.C.A.						
	Replaced any worn clevis pins on slave waste gate. Changed engine oil and filter, Tempest AA48108-2. Serviced with 8 qts of Phillips 20W50XC engine oil.										
	Performed p	articulate	inspection	on filter, o	checked good. Ops and leak checks good. All work IAW CDC AMM. and borescope inspections, no discrepancies noted. Compressions as						
	follows: #1 7	76/80 #2	74/80 #3 7	2/80 #4	76/80 #5 76/80 #6 75/80, master orifice reading of 66/60. Replaced						
	evhaust valv	e rotator in	n #1 cylind	er. Work	performed IAW TCM MM and SB 03-3. Cleaned, gapped, tested, and						
	rotated spark plugs. Checked magneto to engine timing IAW TCM overhaul manual. Cleaned main fuel screen and drained all fuel sumps. Checked condition of accessories, engine mounts, fluid lines, wires, and engine baffling. Inspected compressors, intake and turbos, exhaust systems. Lubed all engine controls. Cleaned and checked cowling. Engine run up, ops, and leak check ok. Set up RPM, Fuel Flow, and Manifold Pressure per TATI										
	checked cov	wling. Eng	ine run up	ops, and	leak check ok. Set up RPM, Fuel Flow, and Marillold Fressure per FATT						
	certify that	this Engir	ne has bee	n inspecte	ed in accordance with a 100 Hour Inspection and was determined to be						
	in an airwort	thy conditi	on.								
	Signature:		an	110	Can De de Communication de la communication de						
		ames	mberg A&	P 275117	620/						
Date: 8/3/											
	.74DL; Type: SI 550-N, S/N: 69		N: 2437		Hobbs: 1701.3 Flight: 1627.3						
Changed oil	200-14, 3/14. 03 2nd filter (P/N	N C U-4 810	8-1) Servic	ed with 8	quarts Phillips 20W50 X/C. Operational and leak checks good.						
Changeu O	did file (r)				, , , , , , , , , , , , , , , , , , , ,						
Signature	1	<u> </u>									
	James E. Hub	bbard, Owi	ner								
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4535 Airport Approach Rd Duluth MN 55811
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Date			A Aireral	+ N174DL	Type: SR	22; S/N; 2437; Hobbs: 1653.0; Tach; 1588.8; Total Time; 1588.8; ime: 1588.8, SMOH; 1588.8	ecord					
Dale	Date:	5/02/202	24; Alliciai	(. N1 / 40L.	690850, T	ime: 1588.8, SMOH: 1588.8	spections.					
	Engir	e - Type:	24-12033	(40), 01111			,					
			24-12033		on of Engi	ne IAW CDC AMM 5-20. 2024-08.						
Brought Forv						Next cleaning due: Next Annual						
Bloughtron	Com	Jiled Willi	14 by clea	ning both	rbocharge	er oil in a screens. Next cleaning due, Next cleaning due, every 50 hrs Every						
	Complied with the following S.B.s: 1) TAT SB11-04 by cleaning both procharger oil in it screens. Next cleaning due: Next Annual. 2) TAT SI08-01 Rev.A by cleaning transcase breather tube in exhaust pipe. Next cleaning due: every 50 hrs.Every 2) TAT SI08-01 Rev.A by cleaning transcase breather tube in exhaust pipe. Next cleaning due: every 50 hrs.Every											
	2) TA	1 5100-0	Hrs	time		The state of the s						
	50 hr	S. 1030.	nt by x si	ial nsn	on of exha	ust manifolds for cracks. Found right manifolds stacked mistalica a						
	2) TAT Sl08-01 Rev. by discharge 50 hrs. 1638.8 Hr.s P. Time 50 hrs. 1638.8 Hr.s P. Time 50 hrs. 1638.8 Hr.s P. Time 50 hrs. 1638.8 Hr.s P. Tatle 10 hrs. 1638.8											
	Ins	Ct Ever	11 hy visu	al inspectio	of alterna	ate air door by ge						
	4) 17	31-1) i by	al		er support fast ners, rods, and shings. Next inspection due: Next						
	Next	Annows	na ins	peopn of	urbocharge	er support fast flere, rods, and						
	5) 17	1 30-11-			MANUFACTURE OF THE PARTY OF THE	exh. ust slip joints. Next inspection and lube due: next oil change a e at mixture control shaft in fuel pump. Removed engine driven						
	Annu	al. T Cl 11-0	11 Masp	ation and	lubing #	exhaust slip joints. Next inspection fuel pump. Removed engine driven						
	7) 17	umn and	se fo	r oring re	a ement.	ng replacement. See 8130 in ship's records. Engine run up, leak						
	tuel p	etallog	drive	n uel bum	p after o-ri	ng replacement. See 0100 in only 0100 and only 0100 in on						
	Ke-Ir	Stalle	1		2500000	and I T time						
	Mond	ps ch :	יט ווטווישים	e. Every 5	0 hrs. 1638	8.8 Hr.s FLT. time. 00 hours.						
	-		men due	every our c	(IIIIaai o.	f and of angine hackhone						
	O-rin	T CL OR	02 by ins	pection of u	underside (00 hours. of intake Y-pipe for contact of engine backbone. Nair filter. Next air filter recharge due: Every 100 hours or next						
	8) TA	T CI 00-	15 by clea	ning and tr	eating K&N	of intake Y-pipe for contact of engine backborne. N air filter. Next air filter recharge due: Every 100 hours or next						
	9) TA	1 31-00-0	Jo Dy Oleu			Consension Inspect per T A T I I C A						
	Annu	al.	1_02 by vi	sual inspec	tion of exh	naust pipe hangars for cracks. Inspect per T.A.T.I. I.C.A.						
	10) 1	AI SD-IC	worn clevi	s pins on s	lave waste	gate.						
	Repla	ced any	ne oil and	filter. Tem	pest AA48	e gate. 108-2. Serviced with 8 qts of Phillips 20W50XC engine oil. oked good. Ops and leak checks good. All work IAW CDC AMM.						
	Chan	ged engir	ticulate in	spection or	filter, che	108-2. Serviced with 6 qts of Filmips 200 of Sand Sand Sand Sand Sand Sand Sand Sand						
	Perfo	rmed par	ino cylind	er compres	ssion and I	borescope inspections, no discrepancies noted. Compressions as 80, #5, 76/80, #6, 75/80, master orifice reading of 68/80. Replaced						
	Perfo	rmed eng	on #2.74	/80 #3 72/	80 #4 76/	borescope inspections, no discrepancies models and a second secon						
_	follov	rs: #1 /6/	80, #2 14	tt cylinder	Work pe	80, #5 76/80, #6 75/80, master office reading of the formed IAW TCM MM and SB 03-3. Cleaned, gapped, tested, and gipe timing IAW TCM overhaul manual. Cleaned main fuel screen						
	exha	ust valve i	rotator in a	ocked mad	neto to en	gine timing IAW TCM overhaul manual. Cleaned main fuel screen						
	rotate	ed spark p	olugs. Cit	nc Checke	ed conditio	n of accessories, engine mounts, fluid lines, wires, and engine muchos, exhaust systems. Lubed all engine controls. Cleaned and						
	and o	trained all	tuel sum	ps. Checke	take and t	on of accessories, engine friodrits, fide inless, the state of the sta						
	baffli	ng. Inspe	cted com	01622012	ns and lea	turbos, exhaust systems. Lubed all englis controls ak check ok. Set up RPM, Fuel Flow, and Manifold Pressure per TATI						
	chec	ked cowli	ng. Engin	e run up, o	ps, and lee							
	I.C.A			L boon i	incrected i	in accordance with a 100 Hour Inspection and was determined to be						
	I cert	ify that th	is Engine	nas been	inspected i	1						
	in an	airworthy	condition	1.	_	1.						
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	Sign	ature:	me.	berg A&P	2751176	TOA						
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