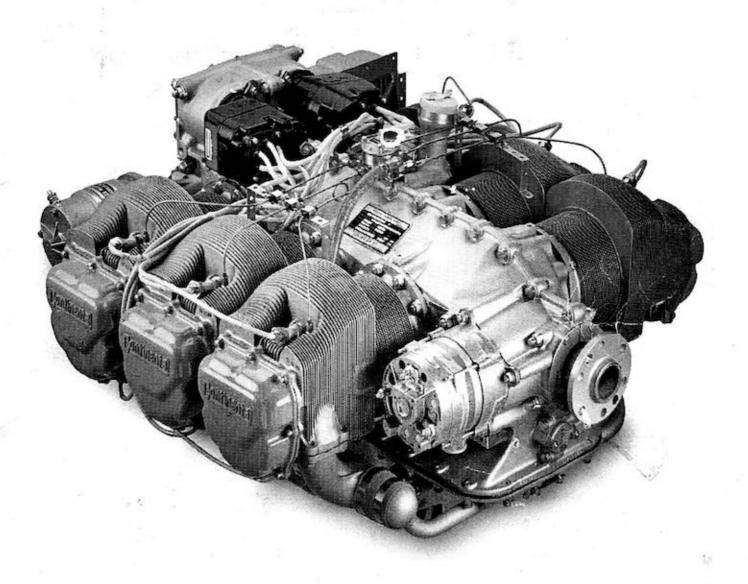
## **ENGINE LOG BOOK**





Teledyne Continental Motors, Inc.

#### Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

#### Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors Abbeville Industrial Park Suite 159 Abbeville, AL 36310

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



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company Printed: 11/14/2002

This engine model I0550N7

, Serial No. 686839 was manufactured on11/12/2002

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

	TOLAI	Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
1-22-02	0				G. I. I. F. I. I. A. C. CRIVIII MEG.
	_		~		Serviced Engine with 8 Qts of Phillips 20059 Straight Mineral Oil on // /22/02 by 94
القامدسات	- 0-		15	£.,	Stangar Manoral On On W 122/02/03
Mai 1. The resp oper und	intenan Change qts. Ae engine ect to the rators mer which	roshell identified he work hanual/puth the open	ormed: d filter P 15W50. 1 ed above performe rogram, t erator is	No leaks was repa ed in acco the maint certified ails of the	Continental IO550N7 S/N: 686839
	Z	no tem	111		Gary Shelton RS# C2WR591W
	111	THE CONTRACT	(		ENGINE REMOVED FROM CIRRUS SR22 N385
-9-2008				,	
	)				FOR TEAD WOLL INSPECTION BY TELENULE
	)				FOR TEAR DOWN INSPECTION BY TELEDYNE MATTITUCK SERVICES INC.
	)			*	
	)	400		*	NOTE & REASON FOR ENGINE INSPECTION
		400		*	MATTITUCK SERVICES TAC.
		400		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.
				*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.
				*	NOTE & REASON FOR ENGINE INSPECTION WAS DUE TO HANGAR DOOR STRIKING
0885:94.20				*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PROPELLER DURING WIND STORM.  AHP 455827575
0-7-03		20		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PAP 455827575  REINSTALLED TCM IOSSON 5/1686839
0-7-03	94.	20		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PROPELLER DURING WIND STORM.  AND 155827575  REINSTALLED TCM IOSSON SW 686839  AFTER INSPECTION BY TELEDYNE MATTITUC
0-7-03		20		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PROPELLER DURING WIND STORM.  APP 455827575  REINSTALLED TCM IOSSON SW 686839  AFTER INSPECTION BY TELEDYNE MATTITUC  (SEE MAINTENANCE RELEASE + Log ENTRY),
0-7-03		20		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PROPELLER DURING WIND STORM.  A+P 455827575  REINSTALLED TCM IOSSON S/N 686839  AFTER INSPECTION BY TELEDYNE MATTITUC  (SEE MAINTENANCE RELEASE + Log ENTRY).  SERVICED WITH AEROSHELL 100 MINERAL OIL
0-7-03		20		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PROPELLER DURING WIND STORM.  AND 455827575  REINSTALLED TCM IOSSON SW 686839  AFTER INSPECTION BY TELEDYNE MATTITUC  (SEE MAINTENANCE RELEASE + LOG ENTRY),  SERVICED WITH AEROSHELL 100 MINERAL OIL  TORQUED MOUNTING BOLTS & INSTALLED NEW
0-9-200 <b>3</b> 6885:94.20		20		*	MATTITUCK SERVICES INC.  NOTE & REASON FOR ENGINE INSPECTION  WAS DUE TO HANGAR DOOR STRIKING  PROPELLER DURING WIND STORM.  PROPELLER DURING WIND STORM.  APP 455827575  REINSTALLED TCM IOSSON S/W 686839  AFTER INSPECTION BY TELEDYNE MATTITUC  (SEE MAINTENANCE RELEASE + Log ENTRY),  SERVICED WITH AEROSHELL 100 MINERAL OIL

ENGINE, REINSTALLED PROPGOVERNOR +

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		-			
10-7-03		Co	NT		REINSTALLED EXHAUST WITH NEW GASKETS,
HOBBS: 94-20	)	25			SECURED FLUID LINES + FITTINGS, SERVICED
					BATTERY, INSTALLED & SECURED ENGINE
					CONTROLS, LEAK CHECKED EXHAUST, INSPECTED
					MOUNT FOR CONDITION, INSTALLED NEW
					HARTZELL PHC-J3YF-1RF PROPEUER
					5/4 FP2407B, LUBRICATED CONTROLS + LEAK
					CHECKED FLUID LINES - GROUND RUN ENGINE
					FOR 3 EA. 3 MINUTE RUNS AND CHECKED FOR
-			1 1		LEAKS NONE FOUND, ENGINE COWLING INSTALLED
		-			AD'S CHECKED THROUGH 2003-19, SEE AD Complian
					LIST IN AIRCRAFT RECORDS.
					Aircraft Fach Time?1.20 Hrs., Date 10-7-03
		1 10			certify that this Apparent/Engine has been
	181				Inspected in Accordance with a Avvues Inspection
					and was Determined to be in Airworthy Condition
		- V			- Burnes Vacys
0312-1		- 24-	to annual	Light	PHP455827575IA
3		-		1 -11	
			. =		
	_==-	_ = =	.,	2.00	marier & Decrease the

MAKE TCM MODEL 10.550-N SERIAL No./N No. 686839
TOTAL TIME 94.20 TACH READING 94.20 DATE 25 Jul 03
ENGINE DISASSEMBLED, CIEANED, INSPECTED AND REPAIRED
AS NECESSARY. ENGINE TEST CELL RUN OK THIS DATE
THIS ENGINE IS AIRWORTHY WITH RESPECT TO THE WORK
PERFURMED AND IS APPROVED FOR RETURN TO SERVICE.
PLEASE ENTER TOTAL ENGINE TIME
TELEDYNE MATTITUCK SERVICES, INC.  FAA Repair Station T10R507Y W.O. No. 30714  Authorized Signature

## **WORK ORDER**

Work Order No. 307/4 Customer South Part No. 10-530-N Serial No. 6	
Nomenclature TELEDYNE CONTINENTAL	AIRCRAPT ENGINE
REPAIRE	DR SUDDEN STOPPAGE D AS NECESSARY EST CELL RUN
All work performed in accordance with applicable and parts manuals.  Date 7-25-03 Signed TELEDYNE MATTITUCK SERVICES, INC.	FAA Repair Station T10R507Y

## MAINTENANCE RELEASE

This Engine or Accessory or Component identified on this tag was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and with respect to the work performed, it is airworthy and approved for return to service. Pertinent details of the repair are on the reverse side of this tag.

Work Order No. 30714

Date 7-25-03 Signed
TELEDYNE MATTITUCK SERVICE

Airway Drive Mattituck, NY 11952 (631) 298-8330

Powerplant 1; Limited Accessory Specialized Service

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		-			
12-10-03	112	7			DRAINED OIL & REMOVED FILTER, ADDED
					8 9TS AEROSHELL 100 MINERAL OIL & INSTALLE
					NEW CH48108 FILTER. CUT OPEN OLD FILTER
					AND INSPECTED FOR METAL NONE FOUND,
					WASHED ENGINE & LEAK CHECKED.
		-			
					- June Jaly
					A+P456827575
2-11-04	127	2			REMOVED STARTER + INSTAllED NEW
					STARTER PIN 656181 AS DER CIRRUS
					5.B. 2x-80-61.
					0
					France Valo
120-15			7.5	1 100	A4P455827575
	il.	100	: 1	100	the state of the s
		- 10		3.71	
2-26-04	129	2		- 100-	DRAINED OIL + REMODED FILTER, SERVICED
				4.1 5	ENGINE WITH 89TS AEROSHELL 15W50 +
					NEW CHUBIOS FILTER. CUT OFEN OLD FILTER
					+ Inspected FOR METAL NONE FOUND. WASHED
					ENGINE AND LEAK CHECKED.
					= AL
					A+P455822525
4-20-04	15) 1				
7-20-07	DOL				DRAINED OIL + REMOJED FILTER. SERVICE
					ENGINE W/89TS AEROSHEU 15050
					AND INSTALLED NEW CHURIOR FILTER.
					WASHED ENGINE + LEAK CHECKED.
	-	-			CUT OPEN OLD FILTER + INSPECTED
	-	-			FOR METAL NONE FOUND.
					France Scrip
					A+P455822575
					THE TOLOW NOTS

Date	Tota	al Time		Since verhaul	Engine Se	rvice and Mair	ntenance Red	cord
	Hrs.	Min.	Hrs.	Min.		ections, Airworthiness Di Service Bulletins	rectives, Special Inspe	ections,
rought Forward		<b>→</b>			Modifications dis	_		
Date: 7-1-	04	Hobbs	: 160.2	Re	g.#: N385C	Date: 7-1-04	Hobbs: 160,2	Reg.#: N385C
1815 Air		r. San	as Aviat Marcos, 53-3455	Texas ?			hwest Fexas Aviation of Dr. San Marcos, To (512) 353-3455	
Inspected engine Drained oil and Aeroshell 15w50 inspected for me 73/80, (3) 75/80 RHB32E spark pexhaust, checked lubed engine con nozzles and rein filter element pho condition, inspec	removed 0 and no etalno , (4) 75/ plugs and i mag ti atrols ar stalled van BA-24	d filter, so we CH48 one found (80, (5) 7 ad new se ming, wand inspect with new 4, inspect	erviced e 108 filter , compre 5/80, (6) aling wa ashed eng ted for co seals, in ted fluid	engine wi r, cut ope essions: ( 74/80, i shers, lead gine and ondition, stalled no lines for	th 8 qts. en old filter and 1) 74/80, (2) installed new ak checked leak checked, cleaned all fuel ew bracket air security and	alt. air hose support r mount and isolators f wiring for security ar screws, installed eng per TCM S.B. 04-05	ibricated alternate air of mount P/N 15196-002. For signs of wear and condition, secured a fine case vent S.B. 2X-(N/A by S/N's), AD 9 500.0), AD's checked craft records.	, inspected engine condition, checked all rocked cover 71-07, checked mags 96-12-07 not due at the
								55827575 IA
			-	200		Aircraft Tach Time	102-2 Hrs., Date.	1:1:04
	-	-			!	certify that this Miret	att/Engine has been	eties
					Ir	spected in Accordance	with a dyest inspe	ection
					31	nd was Determined to	De in Airworthy Co	mattion
						Farres	Jaces	
2-32-2	1 -1 -1					A+DUS	5897575	
removed of CH48108-	il filter.	Took S Cut ope	s and ins OAP sar on old fil	Date: 10 spected venple. Seter & ins	(512) 353-3 0-24-04 Hobbs: 18 risually, reinstalled rviced engine with	viation Inc. arcos, Texas 78666 8455 84.5 Reg #: N385C with all new locking tab a 8 qts. of Aeroshell 15W none found. Washed eng	os and gaskets. Draine 750 and installed new	od oil &
								45.52
3 Aux 05	1600	20	2. 0		ssions 1) 70	2/20 3/20 4)	3 5 3 6)	75/20
Jr. 100 (10)		4 5.0			7	- Co- 100, 11	Page 100, 100	700
						I CONING DUT		
	-	FIXTG	P. 40.7%			COMPUSHED AS		
	1 9	RTIPY	0			BEEN INSPECTE	E se en ev es	a Su Barr
				1 /	<b>*</b>	S DETERMINED TO	BE IN AR	WORTHY
	and	TON.	- 600	4	34680	7033IA		
		-		~	-			
		-		-	-			
				-	1			

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
Prought Forward		-			
	I				Engine Logbook Entry KENOSHA AERO, INC Kenosha, WI 53144
	AIRCE	RAFT: N	385C		HM: 234.3 DATE: 6-15-05
	quarts	15W50	oil and C	H48108 f	filter, cut filter open, check for metal OK. Installed 6 filter. Safetyed. Checked for leaks. Took oil sample. tick gasket. W/O #13599
	accord		ith curre		identified above was repaired and inspected in all Aviation regulations and was found airworthy for
	Signed	Hoch	XX	ller	for Kenosha Aero, Inc., Certificate No. KABR076A
					-A-17
	10000			*****	
	-	A√ia	tion Pl	USano	9870 W 52nd Street Kenosha WI 53144
		The state of the s	112(1) 4(4)	NO SEEDS	(262)656-1260 www.aviationplusllc.com
- 4	11/0				
				lobbs 28. Added 8	3.5 8 quarts Aeroshell 15W50.
- 274				1	
			1	Lu	MU
1	1				Robert Russell 399764317LA
	beere	*****	*****		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	1	1		1	
	+				Aviation Plus LLC
	1	i			9879 W 52 <sup>nd</sup> Street
i	+				Kenosha WI 53144
i		-	-	w	262-656-1260 www.aviationpluslic.com
1					
	N385C Change			Hobbs 3 Added 8	quarts Aeroshell 15W50.
			.0	21	Why !
i	1			Robert	Russell 399764317IA
	4-11-1-1-1-1				1
ostailar	11.	111-	7 -	1110	0' TTE 371 1100: 0110: 1 -1 -1
1.10 7.70	100	CC.	211	Me	1 TTE STINES, CHANGED OU
12 75 42	3	400	2 4	300	WITCH SHIBLE JE COMPRESSEONS ALL
188	No.	7	= 470	0 . 3	10/8; AU ROUTENE TITEMS
CHIERKE	DA.	PI	ee	ENS/	BOTTON SHAETS; I CERTURY
THAT	HES	IE	NG	WB	HAS BEEN INSPECTED IN
Accorda	VER	a	Tit	An	DANNUAL TO SPECITION AND
WAS DIS	THE	RM	INE	DI	O BE ON PERWARTHY CONDETO
NAS DA	11/1	K M	DE	al	1 1St an sak warry convert

Date	Tota	al Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward	_	-			
	T	T			7
				Avi	ation Plus LLC
				987	0 W 52 <sup>nd</sup> Street
— i					nosha WI 53144 262-656-1260
i	10	1110C D	lobbs 388		tionpluslic.com
N38	nged oil	l and filte	r. Addec	l 8 quarts	Aeroshell 15W50.
<del></del> 1	-			4	2141 11
i				V	Robert Russell 399764317IA
i					
L_					
09/11/0	7/	KOBA	54	136.	6 KLR: 775 436.6 KRR:
CHANGE	E0	bol	BN	m 1	TETTE (8 +18WED ATROSHELL):
CLEANE	1) 4	se ,	ENV	Her	al: compressorys: HIZOH276
H360H4	68 6	1569	PH!	73	E ALL CONTRACT TITUE CHECKEN
AS 805 R	10 9	1,00	PRO	9	QUILLE TO TAKE THE
THE C	4)0	En	1E	110	RITAL PROTECTION TO 1
1000	22	· STE		7	BIELLO ANSITECTED AND
2.10	100	y CR	- 4	201	FON ANNUAL THECTON
and w	10>	00	The second	RI	TO SH MA ACCURACIONS
CONVO	w	ж, <u>"</u>	OC	-	597769 SITEM
		+	-	-	
					Aviation Plus LLC
					262-656-1260 aviationplusIIc.com
l NIDO	EC 00	110/2006	Hobbs	5.13	
N38	nged oil.	Added 8	quarts Ac	roshell 15	W50. Replaced o-rings in right brake caliper.
1			7	91	4111
;			0	Robert Russ	ell 399764317IA
who	11	11-	4-71	110	2.777 77 ( 1102 2 2 12 15 7 1 - 1 1 1
10/10/08	VAOV.	3/22	560	1000	B; TTE STGINS, CHANGIES OF AND
Period (	KA	an	STA	450	MAGS ACTIFE SOO HE TUSPIEETON
BY RIB	De	ex	250	ey	(WO 8530 +8531); RD 2008-19-08
PNA (EC	ZC	YU	NOR	es'	NOT TUSTOUES); COMPRESSONS
# 24#2	23	#3-	69	472	#5 3 HB: ALL ROLITENE ESTEMS
CHEELE	0	25 %	PAR	TN	SCHETTON SHAWS: I CALITY
THAT T	14	2 1	100	7	A HAR LAND KNISPED THE D
801 000	00	50	000		THE AND PRINCIPLE TO SETTE
0-10	10	0	-	-0	THE TO THE ACTION
00000		~1	10	1/5/4	Tanks 10 BIE ON BAKWARTHY
6 000000	70	v D.	UC	u	100 C 13997643170A

## MAINTENANCE RELEASE

UNIT NAME Magneto	SERIAL NO. DOZKAO12
PART NO. SERSC-25 (10-500556-1)	MFG.: TCM
	NSPECTED DE FUNCTIONAL TESTED
The Aircraft component identified above was current regulations of the Federal Aviation service for the work performed. Pertinent of station under work order # 8530	repaired and/or inspected in accordance with Administration and is approved for return to
OWNER: Aviation Plus DATE: 10-	11-08 SIGNED FOR: Rolet C. Beja

## R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221 FAA Approved repair station # KB2R946K

## **MAINTENANCE RELEASE**

UNIT NAME Magneto	SERIAL NO. DOSKAO16
PART NO. SERSC-25 (10-500556-1)	MFG.: TCM
	INSPECTED D FUNCTIONAL TESTED
The Aircraft component identified above was recurrent regulations of the Federal Aviation A service for the work performed. Pertinent destation under work order # 8531	epaired and/or inspected in accordance with administration and is approved for return to
OWNER: Aviation Plus DATE: 10-11	08 SIGNED FOR: Robert C. Beja

## R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221 FAA Approved repair station # KB2R946K

Date	Total	Time	337433133777	Since	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections,
Brought Forward			1110.		Modifications and Service Bulletins
Bloudill Folward			DODAET	REG: N38	85C DATE: 1/12/09
	-	. 4		MFG: TC	
	$\supset 1$			DEL: 105	10.10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Aviatio	w	•		IAL: 686	
. , , , , , , , , , , , , , , , , , , ,				TER: 582	
<ul> <li>Removed, cleaned ar n accordance with To</li> </ul>	nd tested CM maint	spark plu enance n	igs. Check nanual. Pe	rformed G	rk plug leads with high tension lead tester. Checked timeri Scorend run and mag check good.
					the set of the set of
•					
-					
_					
The aircraft, airframe.	engine.	propeller	or appliant	ce identifie	ed above was repaired and inspected in accordance will id is approved for return to service. Pertinent details of
the repair are on file a					ne no
-	_	,			P1572
Signed /	9_	/		Grenory A	A Lammers
Jor Foos Air Service	Inc. ES	MR688D	1 Aviatio		
			-		
			IA.		Plus LLC 56-1260
i-may			aviation	pluslle a a	aol.com
N385C 2/	11/2000	Habbe 5	09.7		
Changed	oil and	filter. A	dded 8 g	uarts Aer	roshell 15W50.
_			Mo	100	2
			111h	v ze	
			Mark Ste	ein 2694878	8A&P
		_			
			1		
		-			

	Total	l Time		Since	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installation: Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
ght Forward		-			
				MIRCHAE	T REG: 385C DATE: 1/11/09
	TY	C		AIRCHAI	MFG: Cirrus Design Corp. WORK PACKAGE: T4475
_ 두	1		X	N	IODEL: SR-22 TACHTIME
A	nati	ion	**	SI	ERIAL: 0433 ENG TOTAL TIME:
		7. <del>7</del> . •		HOUR	NETER: 581.4 TSMOH:
gascolat were rer	or screer noved to	n and rein facilitate r	stalled. Fl	ow checke ce, and rei	xture full rich *** Cleaned all fuel nozzles, removed and cleaned do nozzles with primer pump, reinstalled nozzles. Note: induction pipes installed with new gaskets. Work performed per the Confinental IC
					3
-					1
					-
The aircr	śń. airfrai	me, engin	e propelie	eroj adulia	nce identified above was repaired and inspected in accordance with
current re	egulations	of the Fe	ederal Avia	ation Admir	histration and is approved for return to service. Pertinent details of
the repair	r are on fi	ile at this	repair stat	tion under v	work package no T4475
	1			`	14475
Signed	1	$\mathcal{I}$			
					Richard J. Davis
Date	e: 5/19/2 ngine Wo Change	009; Airce ork*** ID 4 d oil and f	raft: N385 758	C; Type: S	Richard J. Davis tion Way, Atlanta, GA 30341 Page of Pages  R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer 2636878 ISCONSI 06 Cor adison,	009; Airci ork*** ID 4 d oil and t shell. run for op n Aviati ben Co WI 53	raft: N385 1758 filter p/n C es and leal ion - Ma	C; Type: S H48108-1, k check go	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 iSCONSI	009; Airci ork*** ID 4 d oil and t shell. run for op n Aviati ben Co WI 53	raft: N385 1758 filter p/n C es and leal ion - Ma	C; Type: S H48108-1, k check go	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 isconsi 06 Cor adison, 8-268-	009; Airci ork*** ID 4 d oil and f shell. run for op n Aviati ben Co WI 53	raft: N385 1758 filter p/n C is and leal ion - Ma ourt 704	C; Type: S H48108-1, k check go 20 adison	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 isconsi 06 Cor adison, 8-268-	009; Airci ork*** ID 4 d oil and f shell. run for op n Aviati ben Co WI 53	raft: N385 1758 filter p/n C is and leal ion - Ma ourt 704	C; Type: S H48108-1, k check go	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 iSCONSI 06 Cor adison, 8-268-	009; Airci ork*** ID 4 d oil and t shell. run for op n Aviati ben Co WI 53 5003	raft: N385 1758 Silter p/n Coss and lead soon - Ma burt 704	C; Type: S H48108-1, k check go adison	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Od.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer 2636878 iSCONSI 06 Cor adison, 8-268-	009; Airci ork*** ID 4 d oil and t shell. run for op n Aviati ben Co WI 53 5003 Owner	raft: N385 1758 Silter p/n Coss and lead sourt and court 1704	C; Type: S H48108-1, k check go adison Change	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  od.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   9-1-09 It obbs 700 ter p/n CH48108-1, took
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer 2636878 iSCONSI 06 Cor adison, 8-268-	009; Airci ork*** ID 4 d oil and t shell. run for op n Aviati ben Co WI 53 5003 Owner	raft: N385 1758 Silter p/n Coss and lead sourt and court 1704	C; Type: S H48108-1, k check go adison Change	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Od.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer 2636878 SCONSI 506 Cor adison, 8-268-	one; Aircondriver ID 4 doil and 1 shell. run for ope n Aviati ben Co WI 53 5003 Owner	raft: N385 1758 sitter p/n Coss and lead ion - Ma ion - Ma ourt 704 r Oil Cossed oil	C; Type: S H48108-1, k check go adison hange	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567  We with a consideration of the sample of the process of the sample of the process of the sample of the process of the proces
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer .2636878 iSCONSI 06 Cor adison, 8-268-	one; Aircondinate ID 4 doil and 1 shell. run for open in Aviation Common	raft: N385 1758 liter p/n Coss and lead ion - Ma ion - Ma	c; Type: S H48108-1, k check go adison hange and fil sent to ed, Ser	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  od.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   9-1-09 It obbs 700 ter p/n CH48108-1, took
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer .2636878 iSCONSI 06 Cor adison, 8-268-	one; Aircondinate ID 4 doil and 1 shell. run for open in Aviation Common	raft: N385 1758 sitter p/n Coss and lead ion - Ma ion - Ma ourt 704 r Oil Cossed oil	c; Type: S H48108-1, k check go adison hange and fil sent to ed, Ser	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567  We with a consideration of the sample of the process of the sample of the process of the sample of the process of the proces
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 iSCONSI 06 Cor adison, 8-268-	one: Aircincher ID 4 doil and 1 shell. run for opin in Aviation Co. WI 53 5003 Change sample no me: 15W50	raft: N385 1758 Silter p/n Cools and lead 2007 TOIL Cools and sourt 704 Tour Oil Cools and sourt 2007 Tour Oil Cools and source 2007	c; Type: S H48108-1, k check go adison hange and fil sent to ed, Ser oshell.	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  od.  36888 PAP  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   9-1-09 It obbs 700 ter p/n CH48108-1, took Blackstone Lab, cut filter rvice engine w/ 8 qts.
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 iSCONSI 06 Cor adison, 8-268-	one: Aircincher ID 4 doil and 1 shell. run for opin in Aviation Co. WI 53 5003 Change sample no me: 15W50	raft: N385 1758 Silter p/n Cools and lead 2007 TOIL Cools and sourt 704 Tour Oil Cools and sourt 2007 Tour Oil Cools and source 2007	c; Type: S H48108-1, k check go adison hange and fil sent to ed, Ser oshell.	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567  We with a consideration of the sample of the process of the sample of the process of the sample of the process of the proces
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Changed /50 Aeros Ground Stammer .2636878 iSCONSI 06 Cor adison, 8-268-	one: Aircing A	raft: N385 1758 ilter p/n Cos and lead from Oil Cos and sed oil from and sed oil from Acro d run i	c; Type: S H48108-1, k check go adison  hange and file sent to ed, Sen oshell.	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Od.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   9-1-09 It obbs 700 ter p/n CH48108-1, took Blackstone Lab, cut filter rvice engine w/ 8 qts.  and leak check good.
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer .2636878 SCONSI 06 Cor adison, 8-268-	one: Aircinche ID 4 doil and 1 shell. run for open Co WI 53 5003 Owner Change sample no media for open Co WI 53 5003 Owner Change sample no media for open Co WI 50 Groun James	r Oil Code and stal not O Aero	c; Type: S H48108-1, k check go adison  Change and fill sent to ed, Sen oshell.  for ops  ler, Jr	R22; S/N: 0433; Hobbs: 649.2; Total Time: 649.2  took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Od.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Young ter p/n CH48108-1, took Blackstone Lab, cut filter rvice engine w/ 8 qts.  Owner/Pilot
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer .2636878 iSCONSi 06 Cor adison, 8-268-	one: Aircinche ID 4 doil and 1 shell. In Aviation of Wil 53 5003  Change Sample on me I 5 W 50  Groun  James QRBB	r Oil Condition of the	c; Type: S H48108-1, k check go adison  Change and file sent to ed, Ser oshell.  for ops ler, Jr Quentin	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Yes proceed engine with 8 qts.  Graduation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Graduation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Graduation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Graduation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer .2636878 iSCONSi 06 Cor adison, 8-268-	one: Aircinche ID 4 doil and 1 shell. In Aviation of Wil 53 5003  Change Sample on me I 5 W 50  Groun  James QRBB	r Oil Condition of the	c; Type: S H48108-1, k check go adison  Change and fill sent to ed, Sen oshell.  for ops  ler, Jr	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Yeter p/n CH48108-1, took Blackstone Lab, cut filter rvice engine w/ 8 qts.  and leak check good.  Owner/Pilot n Road
Date 15W Dan A&P W 36	e: 5/19/2 ngine Wo Change /50 Aeros Ground Stammer .2636878 iSCONSi 06 Cor adison, 8-268-	one: Aircinche ID 4 doil and 1 shell. In Aviation of Wil 53 5003  Change Sample on me I 5 W 50  Groun  James QRBB	r Oil Condition of the	c; Type: S H48108-1, k check go adison  Change and file sent to ed, Ser oshell.  for ops ler, Jr Quentin	took sample, cut filter, no metal noted, Serviced engine with 8 qts.  Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567   Yeter p/n CH48108-1, took Blackstone Lab, cut filter rvice engine w/ 8 qts.  and leak check good.  Owner/Pilot n Road

Authority/Co		AU	THORIZED RELE	ASE CERT	TIFICATE VAL TAG		3. Fon	m Tracking Number:
rganization Nam		Motors, 2039 Broad	Street, Mobile, Alabama 36601			FAA/PMA	5. Work Ord EPN 99140	der/Contract/Invoice Number: 0 0000019094
m:	7. Description:		8. Part Number:	9. Eligibility: •	10. Quantity;	11. Serial/Batch Number	r	12. Status/Work:
1	HARNESS	×.	10-823674-25	N/A	1	N/A		New
AIRWOR	RTHINESS APPROV	'AL						
X Approv	s identified above were manuf wed design data and are in con oproved design data specified	dition for safe operation.		Certifies that unl	4 CFR 43.9 return to Service ess otherwised specified in Blocaccordance with Title 14, Code arm to service.		Block 12 and o	descripted in Block 13 was
uthorized Signa	Saniel L	Nikol-	16. Approval/Authorization No.: DMIR#CE-511010	20. Authorized Sign	nature:		21. Approv	al/Certificate No.:
ame (Typed or niel L. Nic		l.	18. Date (m/d/y): Sep/16/2009	22. Name (Typed o	r Printed):		23. Date (m	/d/y):
			User/Instal	ller Responsibili	ties			
	and the second s		ocument alone does not automatic	cally constitute aut	hority to install the na	rt/component/asserr	ably	

Broug	IO-550N7 ***Engine Com AD 04-08 (5/07/07) installed. AD 09-16 (10/7/09) and gaske Changed Aeroshell Replaced 10-82367 engine co I ce be in airw Kevin K. A&P2886  Wisco 3606 Madis	, S/N: 68 Work*** upleted ai -10 (5/5// Superior AD 07-16 -03 (9/9// EQ3 cylinet, not ap oil and fil Compre #6 cylind 4-25 with ntrol trav rtify that orthy cor Fenske 592 IA corber	n Annual 04) ECI of Air Parts 5-10 (8/2: 09) not a inders ins oplicable leter p/n Count rels and leter top sp in new. Cl rels and lethis enginedition. Viation 1 Count 1 5370	ne: 730.8; Prop Inspection in acceptinder inspection in cast cylinders in acception of a competition of applicable by Suppection, not apply manufacturer H48108-1, took as follows: #1 park plug p/n Rieaned, gapped abricated. Grounde has been inspection of a competition of a comp	- Type: PHC-J3YF- cordance with FAR 4 on, not applicable by inspection, not applicable pressor rotor inspec- perior Air Parts Inves- plicable by engine mo- sample, cut filter, no- 1) 78/80, #2) 76/80, iB32E with new. Repand tested spark plu- nd run for ops and le-	ECI cylinders not installed able by Superior Air Particular, not applicable by enterent cast cylinders not in idel. AD 09-02-03 (2/9/09) metal noted, serviced en #3) 78/80, #4) 73/80, #5) placed ignition lead harnes gs. Checked mag to enginal ck good.	e: 636.6  d. AD 07-04-19 s cast cylinders not gine not turbo charged. Installed. AD 09-19-07 Fuel injector servo plug gine with 8 qts. 15W50 74/80, #6) 75/80. In sassembly p/n are timing. Checked and was determined to cylinder with a control of the cylinder with a control of the cylinder with a cylind	Record inspections,
			- 1					
		蕊		10	E AIRCRAFT REPA 460 52ND STREET NOSHA, WI. 53144 262-656-7051	R, INC		
		N#: N38		MAKE: CIRR	- Control of the Cont	S/N: 0433		
					NGINE ENTRY***			
		EXAMI AEROS K01032 START FROM YYBR60	INED FO SHELL 1. 6 (SEE H ER ADA POPLAN 64L (SEI	OR CONTAMIN 5W-50 OIL. RE FAA FORM 813 PTER P/N 6420 C GROVE AIRN E FAA FORM 8	IATION. NONE NO PLACED STARTEI 80-3 DATED 1-13-20 983A10, S/N PGA31 MOTIVE, INC. FAA 8130-3 DATED 04-0	R P/N 646275-1, S/N 010). REINSTALLED 90 AFTER REPAIR 1 REPAIR STATION # 1-10). RAN ENGINE		
		AND CI	HECKEL	FORLEAKS	AND OPERATION.	<i>END</i>	1 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
				CARLOS	MA. RIVERA 2842488			
				AP	2842400			
		-						
							3 • 1	
							1 1	
						11 12 12 12 12 N		
						*****	Andreas Contraction	
							9. 1. 1.	

F	AA/United States	AUTHORI	AA Form 8130-3	RELEASE (	CERTIFI PROVAL TAG	CATE	3. Form T	racking Number:
	tion Name and Address:	Poplar Grove Airmot 11619 Route 76 Poplar Grove, IL 610			CRS: YYBF	R664L	5. Work Order/Contract/Invoice Num 3190	
6. Item:	7. Description:	8. Part Number:	9.	Eligibility:	10. Quantity:	11. Serial/Batch	Number:	12. Status/Work:
1	Starter Adapter	642083A10		N/A	1	PGA31	and the second	Repaired
	he items identified above were Approved design data an Non-approved design da	manufactured in conformity to	0.	Certif descri	locd in Block 13 was a	ise specified in Blo	ock 13, the v	vork identified in Block 12 and ith Title 14, Code of Federal are approved for return to service.
5. Authorize	Approved design during Non-approved design da	manufactured in conformity to the action of	or peration. al/Authorization	Certif descri Regul	ies that unless otherwi ibed in Block 13 was a lations, part 43 and in	ise specified in Blo accomplished in ac respect to that work	ock 13, the v	vork identified in Block 12 and
5. Authorize	he items identified above were Approved design data an Non-approved design da	manufactured in conformity to	or peration. al/Authorization	Certif descri Regul:	ies that unless otherwi ibed in Block 13 was a lations, part 43 and in	ise specified in Blo accomplished in accrespect to that work	ock 13, the v	work identified in Block 12 and ith Title 14, Code of Federal are approved for return to service.  21. Approval/Certificate No.:
5. Authorize 7. Name (T	Approved design during a Non-approved design da ed Signature:	manufactured in conformity to the action of	peration  al/Authorization  m/d/y):  User/l	Certif descri Regula 20. Authori 22. Name (1	ies that unless otherwised in Block 13 was a ations, part 43 and in second signature:  Typed or Printed):  Joe Nacilities	ise specified in Blo accomplished in accrespect to that work	ock 13, the v	work identified in Block 12 and th Title 14, Code of Federal are approved for return to service.  21. Approval/Certificate No.:  YYBR664L  22. Date (m/d/y):

	ng National Aviation 2.				3. Form	n Tracking Number:
	rity/Country: /UNITED STATES	AUTHORIZED REI				K010326
1 Opposite	tion Name and Address	FAA Form 8130-3, AIRW	ORTH INESS APPROVAL T	AG	E 33'	l. O-1/Gtt/Il
	ation Name and Address: ELLY AEROSPACE ENE	RGY SYSTEMS, 2900 SELMA H	YY., MONTGOMER	Y, AL. 36108	Numbe	k Order/Contract/Invoice r: W/O: M315300
6. Item:	7. Description: 8	3. Part Number: 9. Eli	pility: * 10. Quan	tity: 11. Serial/Batch N	Number:	12. Status/Work:
1	STARTER ***********************************	646275-1 N/A MOD/NO ND ************************************	*******	1 K010326	all (a	OVERHAULED
Tat. Certif	CERTIFIES THAT THE WO WITH EASA PART 145 ANI CONSIDERED READY FOR EASA.145.4418 AND BY TH THE ORIG. EQUIP. MFG. DATA COMPLIES WITH PPS-9001 LAT OVERHAULED PER TCM SERV	e manufactured in conformity to:	ED OUT IN ACCORDANCE CRAFT COMPONENT IS OVAL CERTIFICATE NUMB R UT2R226L. APPROVI SES IDENTIFIED AS MOD/NO  19. 14 CFR 43.9 R  Certifies that unles and described in B	ER ED FOR EXPORT O & ORIG. MFG.	ock 13, the	on specified in Block 13 work identified in Block 12 ce with Title 14, Code of the items are approved for
15. Auth	orized Signature:	16. Approval/Authorization No.	2). Authorized Signa	ture:	21. A	Approval/Certificate No: UT2R226L
17. Name	(Typed or Printed):	18. Date (m/d/y):	22. Name Typed or John	Printed: Poole		Date (m/d/y): AN 13 2010
	-	User/Installer	Responsibilities			7.3
It is import	ant to understand that the existen	ce of this document alone does not automati	cally constitute authority to	install the part/component/	assembly.	
Where the Block 1, it specified in	user/installer performs work in ac is essential that the user/installer of Block 1.	cordance with the national regulations of an ensures that his/her airworthiness authority	airworthiness authority di accepts parts/components/a	fferent than the airworthine ssemblies from the airworth	ess authority hiness autho	y of the country specified in ority of the country
Statements the nationa	in Block 14 and 19 do not constitu I regulations by the user/installer l	nte installation certification. In all cases, air before the aircraft may be flown.	craft maintenance records r	must contain an installation	certification	n issued in accordance with
FAA Form	8130-3 (6-01)	*Installer must cross-check eligibility with	applicable technical data.			NSN: 0052-00-012-9005

ESICODE: 02437

Date	Total Time	Time Since Last Overhaul		rice and Maintenance Rec	
Brought Forv	***Engine Work*** Changed oil and	filter p/n CH48108-1	took sample, cut filter.	816.7; Total Time: 816.7 no metal noted, serviced engine with 8 qts. 1, gapped and tested spark plugs.	
	A&P 2636878	53704		Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	
	Registration: Manufacturer: Model: Serial Number:	N385C TCM IO-550-N7 686839	Date: Hobbs Time: TSMOH: Total Time:	12/22/2010 838.9 N/A 838.9	
	serial number is no AD's checked thru Cylinder compressi Removed engine of new oil filter P/N Clinstalled new spark Installed new support Removed fuel nozza P/N 630979-9 o rin P/N 640612 washe Secured EGT proball work performent.	yne Continental hy t applicable by dat bi-weckly revisio ions - #1 75/80, #2 il filter, disassemb CH48108-1, torque t plug P/N RHB32 ort clamp P/N 652 cles, disassembled t ags and torqued. It rs and torqued. e wires for #3 and d as per Cirrus De NE has been inspected.	ydraulic lifter inspect te and no lifters were in 2010-26. 2 70/80, #3 75/80, #4 bled and inspected. No ed and safetied. Servi E to # 6 cylinder top 436-1 to # 1 injector filters/covers and cle installed filters and co 1 # 5 cylinders away f sign SR22 and TCM	ion complied with by verifying that engine replaced during affected dates.  70/80, #5 71/80, #6 74/80.  abnormal contaminants found. Installed iced with 7qts of Acroshell 15W50 oil. position and torqued.	
	There CD		8026 IA Owner Oil Chan	ige 7/21/11 Hobbs 899.6	-
			Blackstone Lab, carbon crystals. oil. Checked and	filter p/n Ch48108-1, took sample and cut filter and found trace metal and conserviced engine with 8 qts of 15W50 d topped off break fluid reservoir. Che car tires to 64psi and nose gear to 40ps atisfactory.	onsiderable Aeroshell cked and
			Ground run for	ops and leak check was good.	
			QRBBC	Jr. – Owner/Pilot d, Lake Zurich IL 600047	
			Jana C	2 lell f	
10				,	

lackstone Lab, co	ut filter and for ith 8 qts of 20	10 <b>8-1, took samp</b> ound minimal trad IW50 Conoco Ph	ce metal. spe	vice and Maintenan ctions, Airworthiness Directives, S Service Bulletins	
round run for op	s and leak che	ck was good.			
mes Scudder, Jr. RBBC	. – Owner/Pilo	ot			
Quentin Road,	Lake Zurich I	L 600047	-		
Jan a	Jel	Di-	<u> </u>		
***Airframe Work***	ylinder EGT probe for operational ch	p/n 14554-001 with ne		920.0 CHT probe p/n 14880-001	
Wisconsin Avia 3606 Corben C Madison, WI 5 608-268-5003	Court	X	Wisconsin A 1741 River I Watertown, 920-261-45	WI 53094	
		Nacco		0.1.0.0.0.0.0	
	egistration:	N385C TCM	Date: Hobbs Time:	01/06/2012 940.9	
	Iodel:	IO-550-N7	TSMOH:	N/A	-
s	erial Number:	686839	Total Time:	940.9	
Annu	ual Inspection ac	complished IAW Ti	tle 14 CFR Part 43 Ap	pendix D.	
<u> </u>	4D: 1 1 14		2011 27		
		ru bi-weekly revisions - #1 76/80 #		5/80, #5 77/80, #6 72/80.	
- :	Drained engine of containments for quarts Phillips 20	oil and removed filte and. Installed new fi OW50 oil.	r. Cut open filter and in lter P/N CH48108-1, to	aspected for contaminants. No orqued and safetied. Serviced engin	ne with 7
_ :	Installed new spa serviceable plugs Performed Grour	ark plugs 10 ea. P/N s. Torqued all plugs nd run. Operation no	and reconnected harne rmal.	apped, tested and reinstalled the 2 ss.	
				D-550 maintenance manuals.  L INSPECTION and has been det	ermined
	in an airworthy	condition.	ichael C. Dunkley	2	
	970 02	A&P 2378			
					_

Date	Total Time Since Last Overhaul Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,
	Hrs.   Min.   Hrs.   Min.   Modifications and Service Bulletins
ought	Owner Oil Change 9/6/12 Hobbs 995.8
	Changed oil and filter p/n Ch48108-1, took sample and sent to Blackstone Lab, cut filter and found minimal trace metal. Serviced engine with 8 qts of 20W50 Conoco Philips X/C
	oil. Added 12 oz ASL Camguard. Ground run for ops and leak check was good.
	Jame a Sell & 9-6-12
	James Scudder, Jr Owner/Pilot QRBBC 60 Quentin Road, Lake Zurich IL 600047
	White States, W. White The Queen to Queen Michael Edition In 000047
	Owner Oil Change 12/14/12 Hobbs 1016.6
	Changed oil and filter p/n Ch48108-1, took sample and sent to Blackstone Lab, cut filter
	and found no trace metal. Serviced engine with 8 gts of 20W50 Conoco Philips Y/C oil
	Added 12 oz ASL Camguard. Ground run for ops and leak check was good.
	James Soudden 1 2 /14/12
	James Scudder, Jr Owner/Pilot QRBBC 60 Quentin Road, Lake Zurich IL 600047
	Registration: N385C Date: 02/01/2013
	Manufacturer: TCM Hobbs Time: 1023.4
	Model: IO-550-N7 TSMOH: N/A Serial Number: 686839 Total Time: 1023.4
	Serial Number: 686839 Total Time: 1023.4
	Annual Inspection accomplished IAW Title 14 CFR Part 43 Appendix D.
	-
•	AD's checked thru bi-weekly revision 2013-02.
'	Cylinder compressions - #1 70/80, #2 75/80, #3 76/80, #4 76/80, #5 74/80, #6 79/80. Performed borescope inspection on all cylinders. No defects found.
	Drained engine oil and sent sample for analysis. Removed oil filter, disassembled and inspected. No
	contaminants found. Installed new oil filter P/N CH48108-1 torqued and safetied. Serviced engine with
	7 qts Phillips 20W50 oil supplied by owner.
•	Removed left magneto P/N 10-500556-1, S/N D02KA016. Performed a 500 hr inspection with
	reference to TCM service manual P/N X42002-1. Installed the following new parts: 1 ea. P/N 10-382584 point assembly, 1 ea. P/N 10-92815-37 snap ring, 1 ea. P/N 10-163374 felt strip, 1 ea. P/N 10-
	50752 felt washer and 1 ea. P/N 10-157158 screw. Set internal timing, "E" gap. Reinstalled on engine
z-	with new gasket P/N 10-400613, timed and torqued attachments.
	Removed Right magneto P/N 10-500556-1, S/N D02KA012. Performed a 500 hr inspection with
<u>.</u>	reference to TCM service manual P/N X42002-1. Removed impulse coupling, disassembled, cleaned,
	inspected, reassembled, reinstalled, torqued nut and installed P/N 10-90751-18 cotter pin. Installed the following new parts: 1 ea. P/N 10-382584 point assembly, 1 ea. P/N 10-92815-37 snap ring, 1 ea. P/N
	10-163374 felt strip, 1 ea. P/N 10-50752 felt washer and 1 ea. P/N 10-157158 screw. Set internal
	timing, "E" gap. Reinstalled on engine with new gasket P/N 10-400613, timed and torqued
-	attachments.
•	Removed # 1, 2, and 3 induction tubes to facilitate magneto removal. Reinstalled using 3 ea. P/N
10	649950 gaskets and torqued. Torqued hose clamps and reinstalled magneto harness support clamps.
	Removed # 4 cylinder exhaust rocker cover, rocker, push rod, pushrod housing and lifter. Inspected cam shaft lobe and lifter for spalling and corrosion; none found. Reinstalled all parts using the
_	following new parts: 1 ea. P/N 534610 packing, 1 ea. P/N 630286 seal, 2 ea. P/N 501868 lock washer
	and I ea P/N 655705 gasket. Torqued rocker shaft to specification and locked tabs. Reinstalled rocker
	cover and torqued screws.
	Removed front left baffle. Repaired cracks on baffle by fabricating patch repair from 2024T3 x .040"
<del></del>	and attaching with rivets. Part etched and alodined prior to installation. Reinstalled baffle and torqued - attachments.
—	Removed alternate air duct support ring at # 5 exhaust riser. Fabricated new attach ear from .060"
	stainless steel and welded onto support ring. Reinstalled and torqued clamps.
-	CONTINUED ON NEXT PAGE



## **Engine Monitor Data** Analysis Report



Client:

James Scudder

Aircraft: N385C

2013-07-15 Flight:

A/C Type: Cirrus SR22 Normally Aspi...

Engine:

Continental IO-550

Monitor:

Avidyne Entegra/EX5000 ...

Report Date: 2013-07-18

This is report #1 of subscription

period ending 2014-06-11

#### **Client Comments**

This is a normal flight and our first analysis. We are interested in our opinion on how our engine is performing. It has 1078 TT since new.

#### Summary of Findings

No flight test profiles are noted in the flight. Max power FF is below Savvy's recommendation (27.3qph), but within the range specified by TCM (25.6-27.3gph). Max power RPM is reasonably near red line of 2700, though there is an instant overspeed to 2760. RPM indicates engine is operated near full power throughout the flight. While this is within the operating capability of the aircraft, Savvy recommends against it since it can cause unnecessary wear on the engine. Savvy finds that a lower power setting can give a reasonable balance of performance and economy.

**GAMI Lean Test** 

Sweep #1

Sweep #2

N/A (no usable mixture sweeps observed)

Observations

Unable to comment from available data due to lack of gradual mixture sweeps.

Ignition

Non-firing plug(s): None noted Marginal plug(s): None noted

Split mag timing: Unable to comment due to lack of mag check

Add'I observations:

Max Power

Sweep #3

Max power FF: 26.2gph

Max power RPM: 2680, up to 2760 for one datum

Maximum MAP: 27.2in Add'l observations:

Temperatures

CHTs: CHT2&5 peak at 343degF

EGTs: No anomalies noted

TIT(s): N/A Add'l observations: **Engine Monitor** 

Inoperative sensors: None noted Anomalous channels: None noted

Noisy channels: None noted

Add'l observations:

Powerplant Mgt

Caution

Power: Near full power used throughout flight Mixture: Satisfactory

Test Profile(s): None noted in flight

Add'l observations:

Electrical

Primary sys: 28V supplied to engine monitor Secondary sys: 28.7V supplied to engine monitor

Other sensors: No anomalies noted

Add'l observations:

#### Recommendations:

No changes recommended at this time. Savvy recommends including flight test profiles whenever possible with data submitted for analysis. Though FF is below Savvy's recommendation, CHTs are reasonable, and max power FF is within TCM's spec. RPM overspeed should be monitored. If RPM persistently rises above ~2710 then adjustments may be recommended.



LAB NUMBER: F66225

UNIT ID: N385C

REPORT DATE: 7/30/2013

CODE: 20/75

CLIENT ID: 37547

PAYMENT: CC: AmEx

MAKE/MODEL: FUEL TYPE:

Continental IO-550-N7

Gasoline (Leaded)

ADDITIONAL INFO:

Cirrus SR22, Eng S/N 686839

OIL TYPE & GRADE:

Phillips XC (A/C) 20W/50

OIL USE INTERVAL:

31 Hours

JAMES SCUDDER JR **60 QUENTIN ROAD** LAKE ZURICH, IL 60047 PHONE: (847) 542-5885

FAX:

ALT PHONE:

EMAIL: jscudder2@quentinroad.org

JAMES: We're not sure what all has changed since September of last year, but this engine sure does like it. All wear continues to look great this time around and some elements even improved after the longer oil run, which is a bonus. Aluminum is holding below average, so the pistons appear to be doing just fine. Other parts of the enige can also give you aluminum (case fretting for example) but pistons are the most common source. The viscosity was on target again and no harmful contamination turned up. Things are looking just fine at 1,078.5 hours SNew.

	MI/HR on Oil	31		24	6	21	55	30	
	MI/HR on Unit	1,079	UNIT/	1,048	1,023	1,017	996	941	UNIVERSAL
	Sample Date	07/12/13	LOCATION AVERAGES	05/14/13	01/23/13	12/14/12	09/06/12	12/15/11	AVERAGES
	Make Up Oil Added	2 qts	AVERAGES			4qts		3 qts	
NO	ALUMINUM	6	15	8	6	16	37	20	8
ĭ	CHROMIUM	5	5	5	3	6	8	5	7
불	IRON	44	49	39	32	60	112	48	43
	COPPER	2	4	2	1	3	5	5	4
FR	LEAD	4210	4253	3410	2184	4879	7036	4924	5639
В	TIN	1	1	0	0	1	4	0	1
2	MOLYBDENUM	2	2	2	1	3	3	2	2
~	NICKEL	6	7	6	4	9	14	7	8
Δ	MANGANESE	1	1	1	0	1	2	1	1
Z	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	1	0	0
ITS	POTASSIUM	1	0	4	0	0	0	0	1
R	BORON	1	2	0	- 1	7	1	2	1
Z	SILICON	4	4	5	3	4	5	4	6
H	SODIUM	3	2	2	1	2	2	2	1
	CALCIUM	100	50	83	69	50	31	64	26
	MAGNESIUM	2	2	1	1	3	2	1	1
	PHOSPHORUS	79	439	120	200	138	257	564	551
	ZINC	16	16	20	10	12	18	18	10
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be\*

	SUS Viscosity @ 210°F	91.4	86-105	86.9	84.6	88.4	89.6	91.5
	cSt Viscosity @ 100°C	18.31	17.0-21.8	17.22	16.67	17.60	17.88	18.34
S	Flashpoint in °F	440	>430	445	470	455	445	480
Щ	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
~	Antifreeze %	-		-	-	-	-	-
PE	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	Insolubles %	0.0	<0.6	0.5	0.5	0.5	0.6	0.4
P	TBN							
	TAN							
	ISO Code							



LAB NUMBER: F55790 REPORT DATE: 5/23/2013

UNIT ID: N385C CLIENT ID: 37547

CODE: 20/75

PAYMENT: CC: AmEx

MAKE/MODEL:

Continental IO-550-N7

OIL TYPE & GRADE:

Phillips XC (A/C) 20W/50

FUEL TYPE: Gasoline (Leaded)

OIL USE INTERVAL: 24 Hours

**60 QUENTIN ROAD** 

JAMES SCUDDER JR

LAKE ZURICH, IL 60047

ADDITIONAL INFO: Cirrus SR22, Eng S/N 686839

PHONE: (847) 542-5885

FAX:

ALT PHONE:

EMAIL: jscudder2@quentinroad.org

JAMES: After 24.3 hours, iron only increased by 7 ppm since the last sample. This shows better wear at steel parts on a per mile basis (ppm/mile) than the previous sample. These metals now compare well with universal averages, which is a good sign. The viscosity was on target this time and measured in the 20W/50 range. We didn't find any measurable fuel or moisture in this sample and insolubles held steady at 0.5%, showing good oil filtration. Keep up the good work and continue taking to the skies. Hopefully the highlight-free reports continue for N385C.

	MI/HR on Oil	24		6	21	55	30	20	
	MI/HR on Unit	1,048	UNIT/	1,023	1,017	996	941	910	UNIVERSAL
	Sample Date	05/14/13	LOCATION AVERAGES	01/23/13	12/14/12	09/06/12	12/15/11	08/26/11	AVERAGES
	Make Up Oil Added		AILIGAGES		4qts		3 gts	2 qts	
z	ALUMINUM	8	16	6	16	37	20	15	8
읙	CHROMIUM	5	5	3	6	8	5	3	7
	IRON	39	50	32	60	112	48	33	43
M	COPPER	2	4	1	3	5	5	6	4
ER	LEAD	3410	4257	2184	4879	7036	4924	3717	5633
Ы	TIN	0	1	0	1	4	0	2	1
S	MOLYBDENUM	2	2	1	3	3	2	1	2
2	NICKEL	6	7	4	9	14	7	4	8
PA	MANGANESE	1	1	0	1	2	1	0	1
z	SILVER	0	0	0	0	0	0	0	0
S	TITANIUM	0	0	0	0	1	0	0	0
	POTASSIUM	4	0	0	0	0	0	0	1
H	BORON	0	2	1	7	1	2	2	1
M	SILICON	5	4	3	4	5	4	3	6
	SODIUM	2	1	1	2	2	2	1	1
-	CALCIUM	83	45	69	50	31	64	3	25
	MAGNESIUM	1	2	1	3	2	1	1	1
	PHOSPHORUS	120	475	200	138	257	564	1081	558
	ZINC	20	16	10	12	18	18	17	10
	BARIUM	0	0	0	0	0	0	0	0

Values

		Shoring be					
SUS Viscosity @ 210°F	86.9	86-105	84.6	88.4	89.6	91.5	87.9
cSt Viscosity @ 100°C	17.22	17.0-21.8	16.67	17.60	17.88	18.34	17.47
Flashpoint in °F	445	>430	470	455	445	480	460
Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
Antifreeze %	-		-	-	-	-	-
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.5	<0.6	0.5	0.5	0.6	0.4	0.3
TBN		40000					
TAN		The state of the s					
100.0-4-		Street Square of the last					



LAB NUMBER: F40160

**REPORT DATE: 2/5/2013** 

CODE: 20/75

UNIT ID: N385C

**CLIENT ID: 37547** 

PAYMENT: CC: AmEx

MAKE/MODEL: FUEL TYPE:

CLIENT

**ELEMENTS IN PARTS PER MILLION** 

Continental IO-550-N7

Gasoline (Leaded)

ADDITIONAL INFO:

Cirrus SR22, Eng S/N 686839

OIL TYPE & GRADE:

Phillips XC (A/C) 20W/50

OIL USE INTERVAL:

6 Hours

JAMES SCUDDER JR **60 QUENTIN ROAD** LAKE ZURICH, IL 60047 PHONE: (847) 542-5885

FAX:

ALT PHONE:

EMAIL: jscudder2@quentinroad.org

JAMES: This run was among the shortest runs we've seen from this IO-550-N7, so we expect to see less wear compared to averages. Even with the shorter oil run, this engine is producing more iron that we'd like to see (per hour) though some of this is residual from last time. The viscosity was a bit thin for Phillips XC 20W/50, but that wasn't caused by fuel contamination. No moisture was found either. Insolubles were fine at 0.5%. Check the oil filter for metal and try a borescope to inspect cylinder condition. Check back on iron.

MI/HR on Oil	6		21	55	30	20	52	
MI/HR on Unit	1,023	UNIT/	1,017	996	941	910	890	UNIVERSAL
Sample Date	01/23/13	LOCATION AVERAGES	12/14/12	09/06/12	12/15/11	08/26/11	07/21/11	AVERAGES
Make Up Oil Added		ATTINATED	4qts		3 qts	2 qts	8 qts	
ALUMINUM	6	17	16	37	20	15	34	8
CHROMIUM	3	5	6	8	5	3	6	7
IRON	32	51	60	112	48	33	64	43
COPPER	1	4	3	5	5	6	9	4
LEAD	2184	4351	4879	7036	4924	3717	5817	5667
TIN	0	1	1	4	0	2	3	1
MOLYBDENUM	1	2	3	3	2	1	2	3
NICKEL	4	7	9	14	7	4	9	8
MANGANESE	0	1	1	2	1	0	1	1
SILVER	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	1	0	0	0	0
POTASSIUM	0	0	0	0	0	0	0	0
BORON	1	2	7	1	2	2	0	1
SILICON	3	4	4	5	4	3	5	6
SODIUM	1	1	2	2	2	1	1	1
CALCIUM	69	41	50	31	64	3	5	24
MAGNESIUM	1	2	3	2	1	1	3	1
PHOSPHORUS	200	514	138	257	564	1081	996	563
ZINC	10	15	12	18	18	17	25	10
BARIUM	0	0	0	0	0	0	0	0

Values

Should Be\*

		Ollowid De					
SUS Viscosity @ 210°F	84.6	86-105	88.4	89.6	91.5	87.9	88.1
cSt Viscosity @ 100°C	16.67	17.0-21.8	17.60	17.88	18.34	17.47	17.52
Flashpoint in °F	470	>430	455	445	480	460	445
Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
Antifreeze %	-		-	-	-	-	-
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.5	<0.6	0.5	0.6	0.4	0.3	0.5
TBN							
TAN		100000000000000000000000000000000000000					
ISO Code		10 10 10 10 10 10					



LAB NUMBER: F34294

UNIT ID: N385C REPORT DATE: 12/20/2012

CLIENT ID: 37547

PAYMENT: CC: AmEx

MAKE/MODEL: Continental IO-550-N7

FUEL TYPE: Gasoline (Leaded)

ADDITIONAL INFO: Cirrus SR22, Eng S/N 686839 OIL TYPE & GRADE:

Phillips XC (A/C) 20W/50

OIL USE INTERVAL:

21 Hours

JAMES SCUDDER JR 60 QUENTIN ROAD LAKE ZURICH, IL 60047 PHONE: (847) 542-5885

CODE: 20/75

FAX:

ALT PHONE:

EMAIL: jscudder2@quentinroad.org, jascudder@sbcglobal.net

JAMES: The shorter time on the oil this time (21 hours vs. 55 hours last time) brought down the iron and probably the aluminum as well. However, on a ppm/hour basis, this Continental is actually making a little more iron than before, showing wear at steel parts (like cylinders). Physically, the oil looks good: no fuel or water was present, and insolubles improved to 0.5%. This isn't a bad report, but check compressions if you haven't, watch for metal in oil filter, and check back in 20-25 hours for another look. Stick with short oil changes like this when you're not flying a lot.

	MI/HR on Oil	21		55	30	20	52	50	
	MI/HR on Unit	1,017	UNIT/	996	941	910	890	700	UNIVERSAL
	Sample Date	12/14/12	LOCATION AVERAGES	09/06/12	12/15/11	08/26/11	07/21/11	09/01/09	AVERAGES
	Make Up Oil Added	4qts	AVERAGES		3 qts	2 qts	8 qts	4 qts	
NO	ALUMINUM	16	22	37	20	15	34	12	8
ĭ	CHROMIUM	6	6	8	5	3	6	5	7
E	IRON	60	61	112	48	33	64	47	43
	COPPER	3	6	5	5	6	9	6	5
8	LEAD	4879	5435	7036	4924	3717	5817	6234	5708
₫	TIN	1	2	4	0	2	3	3	1
S	MOLYBDENUM	3	2	3	2	1	2	3	3
2	NICKEL	9	9	14	7	4	9	8	8
A	MANGANESE	1	1	2	1	0	1	1	1
Z	SILVER	0	0	0	0	0	0	0	0
100	TITANIUM	0	0	1	0	0	0	0	0
TS	POTASSIUM	0	0	0	0	0	0	0	0
Z.	BORON	7	2	1	2	2	0	1	1
E	SILICON	4	4	5	4	3	5	4	6
H	SODIUM	2	2	2	2	1	1	1	1
ш	CALCIUM	50	26	31	64	3	5	5	23
	MAGNESIUM	3	2	2	1	1	3	2	1
	PHOSPHORUS	138	672	257	564	1081	996	994	575
	ZINC	12	18	18	18	17	25	16	10
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be\*

	SUS Viscosity @ 210°F	88.4	86-105	89.6	91.5	87.9	88.1	92.3
	cSt Viscosity @ 100°C	17.60	17.0-21.8	17.88	18.34	17.47	17.52	18.53
S	Flashpoint in °F	455	>430	445	480	460	445	470
H	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
~	Antifreeze %	-		-	-	-	-	-
PE	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	Insolubles %	0.5	<0.6	0.6	0.4	0.3	0.5	0.4
ā	TBN							
	TAN							
	ISO Code							

Date	Total 1	Time		Since verhaul	Engine Service and	
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthir Modifications and Service Bulletins	ness Directives, Special Inspections,
Brought Forward		<b>→</b>			Woullications and Service Building	
	1. 1	0		20.00		
Con Tues				l arm att	achment and installed safety.	
					R22 and TCM IO-550 maintenance m	anuals and TCM SB96-7C
Torque se	ervice bull	etin.				
L certify t	hat this El	NGINE	has been	n inspect	ed IAW an ANNUAL INSPECTION	and has been determined
	n airworth			. mspeec	an Antione more enterior	
./	//		10	- 101	10.5	
- Mus	e c		~		ael C. Dunkley P 2378026 IA	
			$\sim$	\	1 2376020 IX	== = = = = = = = = = = = = = = = = = =
Owner Oil Change	5/14/13	Н	obbs 10	477	-	
Owner on Change	3/14/13	11	0003 10	47.7	4	
Changed oil and filte	er p/n Cl	14810	8-1, too	k samp	le and sent to	<u> </u>
Blackstone Lab, cut					(1987년, A. 1987, A. 1987년, 1987년	
engine with 8 qts of						
ASL Camguard. Che	ecked an	d top	ped off	break fl	uid reservoir.	
Checked and inflated						
40psi. Inspected brea	aks. Fou	nd rig	ht main	pad wo	rn.	
0 1 0						
Ground run for ops a	and leak	check	was go	ood.		-
James Scudder, Jr. –	Ouman/	D				
QRBBC	Owner	rnot				
60 Quentin Road, La	ke Zurio	eh II.	600047			
Registration:	N385C			ite:	07-12-2013	
Manufacturer:	Contine	ntal		bbs Tim		
Model:	10-550-			MOH:	1087.5	
Serial Number:	686839		То	tal Time	1087.5	
						etalled new oil
Removed cowling.	Drained o	il. Rer	noved fill	ter and in	spected. No contamination found. In	Reinstalled
filter P/N CH48108-	-1, torque	and s	attied. Fi	leake no	ne with 8 quarts of Philips X/C 20W50	o. Reinstation
cowling and perform						
The aircraft, airframe, ai:	craft engine,	propelle	er, or applia	nce identifi	ed above was repaired and inspected in accorda	nce with current
maintenance rules of the	Federal Avia	ation Ad	ministration	and is app	oved for return to service.	
				Sione	Pales	_
				Signo		
					ALP 3041483	
	1000		-			
MONACO AIR	(218) 727-29 Cirrus Autho	911 onzed Sen	Rd. Duluth.	MN 55811		
Date: 10/15/2013; Aircraft:				3; Hobbs:	1115.9; Total Time: 1115.9; Engine - Type: ,	i i
S/N:, Time:, SMOH: Shop Order #: 13-8668						
Changed oil and filter P/N C					os 20W50 X/C. Cut open and inspected oil	-
					work done IAW CDC AMM 12-10.	-
Signature:	and I					
Steven J. Lalv	Mourea A&P	284116	0	1		

			Î	demphis, Ter	nessee 38116	Tot	al Air G	roup	901-396-9708 Fax
Date	Total	Time					CRS #: 21TR98	77	
	Hrs.	Min.	La H			Airw	orthiness F	Release	
Brought Forward		-					W/O:MEM37	71	
this	AL	1		N: N385C Position:	. S/N: Position 1 TSN:		Hobbs: N/A TSO: N/A	TT: 1,140,40 TSI: N/A	Cycles: N/A
tailed or	1 tal	eult		0.0000000000000000000000000000000000000	CSN:	N/A	CSO: N/A	CSI: N/A	
A	IN	1	1	INSTALLED	OVERHAULED AL	LTERNATOR, PA	N ON: 646843 S	'N ON: 004BA067. OPERATI RENCE TO CIRRUS SR22 M	ONAL CHECK
#CJM	100			02KA001		, worker bar of	THEO IN REFER	CINCE TO CHAROS SIGE IN	m D+ N. S/N O/F.
	23.0			The work id	entified above unde Aviation	r the w/o number Regulations and	r was performed I was found airw	and inspected in accordance orthy for return to service.	with current Federal
				—	1	_		Date: 2/21//	//
				MT: M	in	ag		Date: 24/21/1	· I
							Page 1 of 1		
	+	_	Date: 2	2/25/2014; A ime Work**	ircraft: N385C; T	ype: CIRRUS:	SR22; S/N: 04	33; Hobbs: 1145.2	
			overhau and rein All John Po AP3531	emoved #1 and the state of the	alternator p/n 646	nc., CRS# PU4 for operational ce with approv	R453M, Wo# and leak chec	nnical data.	3, s/n 007AA059R after 4. Removed, charged viation - Watertow
			360	06 Corbe	n Court		47	1741 River [	
		Т		dison, V 3-268-50	VI 53704			Watertown, 920-261-456	
			, 000	-200-50	03			920-201-450	, , , , ,
	+	-	-	-					
	-		<u> </u>						
			19						
								0.00	
	-		139	-					
	-								
	1								
	+	-	-	-					
	+	-							
	_								
			/ encourage						
	+								
	+	-	-	-					
				,					
	+	_		_					
	-	-		-					

### Aerotech of Louisville Inc.

2209 Watterson Trail Louisville, KY 40299

#### FAA Certified Repair Station # PU4R453M TCM TW5000 Alternator Maintenance Release

Model 24V 60A	Part No. 646843	Serial No. 004BA067	- 20
Work Order No. 110357	Technician Chris Fajardo	Date 01-06-14	

This unit was disassembled, cleaned, inspected, reassembled, and tested in accordance with current manufacturer's overhaul manual specifications and in accordance with current F.A.A. regulations concerning this unit.

	NAME AND ADDRESS OF THE OWNER, TH		STATE OF THE PARTY		Parts Have Been Re Parts Are Serviceable)	PARTICIPATE OF THE PARTICIPATE O		CHEST THE PARTY OF
Qty.	Part#	Desc.	Qty.	Part#	Desc.	Qty.	Part#	Desc.
1	646492A1AC	D.E. BEARING						
1	642438AC	C.E. BEARING						
2	646848-1AC	BRUSHES						
1	643265AC	OIL SEAL						
1	MS28775-016	O-RING			NAA IOD	101	ERHAUL	
					IVIAJUL	U	ENHAUL	

AD No.	Int.	Method of Compliance	AD No.	Int.	Method of Compliance

HISERIES TO THE REAL PROPERTY.	Service Bulletins C	Complied With	
	, and the same of		

This unit is approved for return to service

Signature	golu C Evons	Date	01-06-14	

N 385C

I Aut	ving National Aviation 2. hority/Country: JNITED STATES	AUTHORI	ZED RELL:A	SE CERT	TIFICATE	3. Form Tracking Number:  INV #:
4. Organiz	ation Name and Address: Aerotech of	Louisville, Inc. 22	209 Watterson Trail	Louisville,	KY 40299	5. Work Order, Contract, or Invoice Number W/O: 110357
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Numbe	r: 12. Status/Work:
1	TCM ALTERNATOR	646843	N/A	1	S/N 004BA067	Overhauled
13. Rema	fies the items identified abo	A Approved repair s	nated 01/06/2014 Itation number FU4I It overhaul manual Itemson on the state of the	TW5000  10. X 14 CFR 43.9  Certifies that unless Block 12 and dess with Title 14, Code	s otherwise specified in cribed in Block 13 was	ther regulation specified in Block 13 block 13, the work identified in accomplished in accordance , part 43 and in respect to that service.
15. Authoriz	zed Signature:	16. App	proval/Authorization No: 20.	Authorized Signature:	Ru C Evons	21. Approval/Certificate No: PU4R453M
17. Name (	Typed or Printed):	18. Dat	e(m/d/y): 22.	Name (Typed or Print	n C. Evans	23. Date: 01/06/2014
	V		User/Installer Respon	sibilities		
Where the country sp authority o Statements	e user/instalier performs wo ecified in Block 1, it is esse f the country specified in B	ntial that the user/installer lock 1.	ational regulations of an ensures that his/her airwo	airworthiness autho orthiness accepts p	ority different than the air parts/components/assem	worthiness authority of the blies from the airworthiness installation certification issued

Date	Tota	I Time	1000	Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
rought Forward		-			Wodinodions and Cervice Bulletins
Traditional Pr -AD complian	er: per: ection acrogram, nce verif	Annual An	ental 0-N7 9 shed IAW / 100 Hr, ugh bi-we taken wi	T T 14CFR Cirrus Air ekly revis th the foll	Part 43, Appendix D. using Chapter 5-20, rplane Maintenance Manual as a checklist. sion 2014-04 lowing results: #1- 66/80, #2- 70/80, #3- 72/80, #4- 70/80,
filter P/N CH4 oz. of CamGo -Spark plugs annealed was Overhaul Mai -Removed let TCM service carbon brush washer, 2 ea. 157160 screy 10-90751-18 382584 point tolerances. So engine with n -Removed Ri to TCM service carbon brush washer, 2 ea. 10-157160 sc assembly with coupling with	48108-1 uard. remove shers, p nual, da ft magne manual , 1 ea. F P/N 10 v, 1 ea. cotter p assemb et intern ew gask ght mag be manu , 1 ea. P P/N 10 orew, 1 ea referen onbled wi	installed d, inspectured 31 A eto P/N 10-92 P/N 10-93 in. Inspectured 10-35396-7 in Inspectured	d, torqued cted, clea alled, and august 20 10-500556 2002-3 Se 2815-37 s 7 screw, 3 891213 4 acted contected imp material	d, and safe aned, and d torqued 11 6-1, S/N I ection 6-2 snap ring 3 ea P/N eact asser ulse coup . Reasser 3 and time 556-1, S/N Section 6 anap ring, 3 ea P/N 3 screw and 1. Install 2 and four	gap checked. Plugs rotated during reinstallation. Using per TCM IO-550 Permold Series Engine Maintenance and D02KA016. Performed a 500 hr inspection with reference to 1.3. Installed the following new parts: 1 ea. P/N 10-160844 a. P/N 10-163374 felt strip, 1 ea. P/N 10-50752 felt 10-102083 screw, 5 ea. P/N 10-157158 screw, 4 ea. P/N 10-10-157160 screw, 1 ea. P/N 10-391213 screw and 1 ea. P/N 10-10-157160 screw, 1 ea. P/N 10-391213 screw and 1 ea. P/N 10-10-10-10-10-10-10-10-10-10-10-10-10-1
-Removed # 4 torqued per To -Fuel injection 630979-9 (x6) Engine Positio	induction CM torque nozzles o-rings on Tuneo	ue specit s were re and P/N d Fuel Inj	fication. moved, c 640612 ( jector No	leaned in (x6) flat w	n ultrasonic cleanser bath, and reinstalled with new P/N vashers. Work was done referencing Continental® Aircraft illation and Maintenance Manual, dated 31 August 2011 gh tension cable tester. Functional test okay.
The following McClary  Terry McClary	people v	vorked o	n this eng	jine: Joel	Braxton, Tim Obarow, and Terry

Approving National Aviation Authority/Country: FAA/UNITED STATES  AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG						Form Tracking Number:  INV #:		
Organization Name and Add     Aere	otech of L	ouisville, Inc.	2209 Wa	atterson Trail	Louisville	, KY 40299		Order, Contract, or Invoice Number
Item: 7. Descript	ion:	8. Part Number:	9.	Eligibility:	10. Quantity:	11. Serial/Batch Number	er:	12. Status/Work:
1 TCM ALTERNA	#/) TOR	646843	de var	N/A	1	S/N 007AA059	R	Overhauled N385C
14. Certifies the items ide	Ov		nit per over	rhaul manual		a Patura to Service	Other regu	lation specified in Block 13
Approve	d design da	ta and are in a cond in data specified in	dition for safe Block 13	operation	Certifies that unle Block 12 and de with Title 14, Coo work, the items a	ess otherwise specified escribed in Block 13 was de of Federal Regulation re approved for return to the specified specified re approved for return to the specified specified return to the specified specified return to the specified	ns, part 4 to service	3 and in respect to that
Approve Non-app	d design da	ta and are in a cond	dition for safe	operation	Certifies that unle Block 12 and de with Title 14, Coo work, the items a	ess otherwise specified escribed in Block 13 was de of Federal Regulation re approved for return to the specified specified re approved for return to the specified specified return to the specified specified return to the specified	ns, part 4 to service	21. Approval/Certificate No
Approve Non-app  5. Authorized Signature:	d design da	ta and are in a cond	dition for safe Block 13	operation  uthorization No: 20.	Certifies that unleter Block 12 and deswith Title 14, Coowork, the items and Authorized Signature Signature Name (Typed or P	ess otherwise specified escribed in Block 13 was de of Federal Regulation re approved for return to re:	ns, part 4 to service	3 and in respect to that 21. Approval/Certificate No:
Approve  Non-app  Authorized Signature:  Non-app  Non-app	d design da proved desig	ta and are in a cond	dition for safe  Block 13  16. Approval/A  18. Date(m/d/y	operation  uthorization No: 20.	Certifies that unled Block 12 and dewith Title 14, Coowork, the items and Authorized Signature Name (Typed or P. J.C.)	ess otherwise specified escribed in Block 13 was de of Federal Regulation re approved for return to escribe a company of the c	ns, part 4 to service	21. Approval/Certificate No: PU4R453M 23. Date: 01/16/2014
Approve Non-app	d design da proved desig	ta and are in a cond	dition for safe  Block 13  16. Approval/A  18. Date(m/d/y	operation  uthorization No: 20.	Certifies that unled Block 12 and dewith Title 14, Coowork, the items and Authorized Signature. Name (Typed or Public Insibilities	ess otherwise specified escribed in Block 13 was de of Federal Regulation re approved for return to escribe.	ns, part 4 to service	21. Approval/Certificate No: PU4R453M 23. Date: 01/16/2014

Date	Total Time	Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,			
	Hrs. Min.	Hrs.	Min.	Modifications and Service Bulletins			
rought Forward	<b>→</b>						
		_					
		5					
			-				
		-					
1							
*							
3							
		4	=				
	Maglio	255000	€me	cialty Services Corp.			
-		Tel:954-816	-7399 Fax	c:954-792-2516 afmohamed@hotmail.com			
	06			CIRRUS SR-22 S/N: 0433 H.M: 1,177.7 ENTAL IO-550-N S/N: 686839			
-		2	Oltrina				
	ENGINE:	uawked	that airc	eraft will not start. Brought aircraft to hangar and			
	removed top	cowling.	Tried to	ground run and found smoke coming out of			
	starter. Rem	oved sta	ter P/n:	646275-1R S/n: K010326 and replaced with 6 S/n: 0051. Ground run and ops tested O.K. I			
- 100	certify, with I	respect to	the wo	rk accomplished above, that this aircraft is			
	approved for	r return to	CODIC				
			Vervice.				
1 10	1/1	$\neg \bigcirc$	Privice				
1 5	Ameer E M	Q	Service .				
4 5	Ameer F. Mo AP3270645	chamed		ASSC			
		chamed		ASSC			
		chamed		Aviation Specialty Services Corp. Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com			
		chamed		ASSC			
		chamed		Aviation Specialty Services Corp.  Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839			
		chamed	EN Re	Aviation Specially Services Corp.  Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n			
		chamed	EN Re 64	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n: 6275-1 S/n: H-0031224. Starter OH'ed by Hartzell Engine Technologies			
		chamed	EN Re 64 (C	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n: 6275-1 S/n: H-O031224. Starter OH'ed by Hartzell Engine Technologies RS#: 1HZR769B) under WO#: M323300 dated 03/29/2014. Ground run as tested O.K. I certify, with respect to the work accomplished above, that the starter of the sta			
		chamed	EN Re 64 (C	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n: 6275-1 S/n: H-O031224. Starter OH'ed by Hartzell Engine Technologies RS#: 1HZR769B) under WO#: M323300 dated 03/29/2014. Ground run a			
		chamed	EN Re 64 (C	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n: 6275-1 S/n: H-O031224. Starter OH'ed by Hartzell Engine Technologies RS#: 1HZR769B) under WO#: M323300 dated 03/29/2014. Ground run as tested O.K. I certify, with respect to the work accomplished above, that the starter of the sta			
		chamed	EN Ree 644 (C op air	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2 CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n: 6275-1 S/n: H-O031224. Starter OH'ed by Hartzell Engine Technologies RS#: 1HZR769B) under WO#: M323300 dated 03/29/2014. Ground run as tested O.K. I certify, with respect to the work accomplished above, that craft is approved for return to service.			
		chamed	EN Re 644 (Cop air	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com  06/27/2014 N385C CIRRUS SR-22 S/N: 0433 H.M: 1,179.2  CONTINENTAL IO-550-N S/N: 686839  IGINE: Imoved starter P/n: 655566 S/n: 0051 and replaced with OH'ed starter P/n: 6275-1 S/n: H-O031224. Starter OH'ed by Hartzell Engine Technologies RS#: 1HZR769B) under WO#: M323300 dated 03/29/2014. Ground run as tested O.K. I certify, with respect to the work accomplished above, that			

#### Aviation Plus IIC 262-656-1260

AviationplusIIc.com

7/22/2014 N385C Hobbs 1202.8

Changed oil and filter. Added 7 quarts Phillips 20W50XC.

ord tions,

Date: 6/12/2014; Aircraft: N385C; Type: CIRRUS SR22; S/N: 0433; Hobbs: 1168.9; Total Time: 1168.9

\*Airframe Work\*\*

Removed fuel gauge p/n 13557-001, s/n 479 and installed as removed serviceable unit p/n 13557-001, s/n 2552. Defueled aircraft and calibrated fuel gauge per Cirrus Maintenance Manual. Operational checked good. 263687879

Dan Stammen A&P 2636878 IA

Wisconsin Aviation - Madison 3606 Corben Court

Madison, WI 53704 608-268-5003

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

Owner Oil Change 10/14/14 Hobbs 1240.2

Changed oil and filter p/n Ch48108-1, took sample and sent to Blackstone Lab, cut filter and found no trace metal. Serviced engine with 7 qts of 20W50 Conoco Philips X/C oil. Added 11 oz ASL Camguard. Ground run for ops and leak check was good.

James Scudder, Jr. – Oy/ner/Pilot QRBBC 60 Quentin Road, Lake Zurich IL 600047

**Aviation Plus LLC** 

10/24/2014 N385C Tach 1249

Replaced #2 pushrod tube seals.

262-656-1260 Aviationplusllc.com

Registration:

N385C

Date:

12/18/2014

Manufacturer:

Continental

Tach Time:

1262.9

Model:

IO-550-N7

TSMOH:

1262.9

Serial Number:

686839

Total Time:

1262.9

-Oil drained and filter removed. Filter was cut open and no metallic contamination found. New Champion oil filter P/N CH48108-1 installed, torqued, and safetied. Engine serviced with 7 qts Phillips 20W50 oil and 11.2 oz. of CamGuard. Customer supplied oil, CamGuard and filter. Engine was run and no leaks noted.

The following people worked on this engine: Phil Maddux, Terry McClary, and Bob Schwartz

Phy Mulhay

Phil Maddux A&P 2810179

Owner Battery Install 6/19/14

Installed Gill G-243 Battery purchased from Aircraft Spruce

James Scudder, Jr. – Owner / pilot 2720002 QRBBC 60 Quentin Road, Lake Zurich, IL 60047

1. Approvi	ing Civil Aviation 2.				3. Form Tracking Number:
7	ority/Country:	ATTENDANCE DE	TEACE OF	DTIFICATE	
FAA	/UNITED STATES	AUTHORIZED RE	LEASE CE	AL TAG	H-O031224
	ation Name and Address:				5. Work Order/Contract/Invoice
HARTZE	ELL ENGINE TECHNOLO	OGIES, 2900 SELMA HWY., MON	TGOMERY, AL.	36108 (1HZR769B)	Number: W/O: M323300
6. Item:	7. Description:	8. Part Number:	Quantity:	10. Serial Number:	11. Status/Work:
1	STARTER ***********************************	646275-1 MOD/NO FND ************************************	l **** <u>*</u> ********	H-O031224	OVERHAULED
	WITH EASA PART 145 AN CONSIDERED READY FOR EASA.145.4418 AND BY TI THE ORIG. EQUIP. MFG. DATA COMPLIES WITH PPS-9001 LA	ORK SPECIFIED IN BLOCK 11/12 WAS CARRI ID WITH RESPECT TO THAT WORK THE AIR R RELEASE TO SERVICE UNDER EASA APPE HE FAA AIR AGENCY CERTIFICATE NUMBE A APPEARS ON THE DATA PLATE IN THE LII TEST REVISION. VICE INSTRUCTION X30592, DATED 1/87.	CRAFT COMPONENT IS OVAL CERTIFICATE N R 1HZR769B. APP	UMBER PROVED FOR EXPORT	
			The state of the s		
Ö		e manufactured in conformity to: in a condition for safe operation: ified in Block 12:	Certifies that and described	unless otherwise specified in Bl in Block 12 was accomplished ations, part 43 and in respect to	ther regulation specified in Block 12  ock 12, the work identified in Block 11 in accordance with Title 14, Code of that work, the items are approved for
13b. Autho	rized Signature:	13c.Approval/Authorization No	14b. Authorized Si	the Pool	14c. Approval/Certificate No: 1HZR769B
13d. Name (	(Typed or Printed):	:: 13ė, :Date:(dd/mmm/yyyy):	14d. Name (Typed	or Printed) hn Poole	14e. Date (dd/mmm/yyyy): 29 MAR 2014
		User/Installe	r Responsibilities		•
It is importa	unt to understand that the existen	ice of this document alone does not automatic	ally constitute authority	to install the aircraft engine/pr	ropeller/acticle.
Block 1, it is specified in l	essential that the user/installer e Block 1.	ecordance with the national regulations of an ensures that his/her airworthiness authority a	ccepts aircraft engine(s)	propeller(s)/arrticle(s) from the	airworthiness authority of the country
Statements i the national	n Block 13a and 14a do not const regulations by the user/installer	titute installation certification. In all cases, aid before the aircraft may be flown.	rcraft maintenance recor	rds must contain an installation	certification issued in accordance with

FAA Form 8130-3 (02-14)

HETCODE: 02437

Au	oving Civil Aviation thority/Country: /United States	GPFM 15-154			
4. Organ Great P	ization Planes Fuel Metering, Inc	740 South 142 <sup>nd</sup> East Ave, Tulsa 0	Oklahoma 74108	CRS # 1GPR022B	5. Work Order/ Contract/ Invoice Number: 15-154
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Fuel pump	655921-1A5	1	B02GA124	Overhauled
12. Rem	arks:				
Repair	Spec GPL1000	Rev 2 5/20/12.	CMI SB00-10.		
		ve were manufactured in conformity to:		43.9 Return to Service	☐ Other regulation specified in Block 12
	Approved design data and an Non-approved design data s	re in a condition for safe operation. specified in Błock 13	and describ	ed in Block 12 was accomplis gulations, part 43 and in respe	n Block 12, the work identified in Block 11 shed in accordance with Title 14, Code of ect to that work, the items are approved for
13b. Aut	horized Signature:	13c. Approval Authorization No:	14b. Authorized	O A Denne	14c. Approval/Certificate No: 1GPR022B
13d. Nar	ne (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Type David A. D		14e. Date (dd/mmm/yyyy): 29 Jan 2015
		User/In	staller Respons	sibilities	
Where to the coursengine(s	he user/installer performs on try specified in Block 1, it s)/propeller(s)/article(s) fro ents in Blocks 13a and 14a	work in accordance with the national re is essential that the user/installer ensu m the airworthiness authority of the co	egulations of an aures that his/her auntry specified into the formal cases,	airworthiness authority differ airworthiness authority acco in Block 1. aircraft maintenance record	install the aircraft engine/propeller/article. erent than the airworthiness authority of epts aircraft ds must contain an installation certification

Date	Total	Time	VS	Since	Engine Service and Maintenance Record		
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins		
rought Forward		-					
2 20 0					Polici .		
Registration		N385			Date: 4/14/2015 —— Tach Time: 1299.1		
Manufactu Model:	irer:		inental 50-N7		Tach Time: 1299.1 TSMOH: 1299.1		
Serial Nur	mhor	6868					
					1250.1		
Traditional	Progran	n, Annua	I / 100 H	r, Cirrus	R Part 43, Appendix D. using Chapter 5-20, Airplane Maintenance Manual as a checklist.  wision 2015-07		
					ollowing results: #1- 66/80, #2- 40/80, #3-		
-Compress	ion foun	d to be I	ow on #2	2 and #3 c	cylinders during differential compression test. Referencing		
					by borescope. Exhaust valve on #3 cylinder was lapped and		
70				-	was operated until above minimum CHT (>300 F) was reached		
and compre				1	#2 –58/60. t open and no metallic contamination found. New Champion oil		
					raftied. Engine serviced with 7 qts Phillips 20W50 oil. Oil —		
sample ma				icu, ana s	and Linguis Services with 7 que i minipo 201100 on. On		
				ne engine	driven fuel pump. Removed fuel pump P/N 655921-1A5 S/N		
		2.00		( T)	GA124 overhauled by Great Planes Fuel Metering, Inc. FAA		
					d approved for return to service on FAA Form 8130-3 dated 29		
Jan 2015.	Pump p	ressures	adjusted	d per TCN	∧ SID 97-3. ▶		
-Spark plug	s remov	ed, insp	ected, cl	eaned, ar	nd gap checked. Spark plugs rotated and reinstalled using		
			_		Table B-4, TCM IO-550 Permold Engine Maintenance and		
Overhaul M					DAI DAOA -: 5h		
					ew P/N BA24 air filter  M MSB94-8D. ——		
-Repaired b							
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
					Jenny Haver, Jason Maust, Dennis —		
Satterthwai	te, Dale	Coates,	and Ter	ry McClar	у		
,	14.	10			i i		
Terry	M'C	lan	7				
4	/	4	San Carlo				
Terry McCla	ary A&P	270225	9IA				
	,						
1							

nes Scudder, J	Jr. – Owner	pilot 2720002 Qi	RBBC 60 Quentin Ro	ad, Lake Zurich, IL 60047
	stration:	N385C	Date:	05/02/2016
	ufacturer:	TCM	Hobbs Time:	1397.2
_ Mod		IO-550-N7	TSMOH: Total Time:	N/A 1397.2
1	al Number:	686839		
_ Annual	Inspection ac	complished IAW T	itle 14 CFR Part 43 Ap	pendix D.
• AD	s checked th	ru bi-weekly revisio	on 2016-08.	
				71/80, #5 69/80, #6 72/80.
				springs from # 3 cylinder. Lapped exhaust
				ed rocker cover with new gasket P/N
			mpression now 63/80.	
• Dra	ained oil samp	ole for analysis and	drained engine oil. Ren	noved oil filter, disassembled and inspected.
			w oil filter P/N CH481	08-1, torqued and safetied. Serviced engine
		lips 20W50 oil.	. alasmad and inconsists	I Painetalled firel magning with the
				<ol> <li>Reinstalled fuel nozzles with the 0612 washer and 6 ea. P/N 630979-9 o ring.</li> </ol>
		reconnected fuel li		ol 2 washer and 6 ea. P/N 030979-9 0 ring.
				reinstalled using new gasket P/N 655705
	I torqued scre	일반이 아이들에서 하면 없는 경우에 되는 것이 없는데 아름다면 없다.	nder exhaust side and i	emstaned using new gasket 1714 055705
			lugs to # 3 cylinder, to	qued and installed leads.
			, , , , , , , , , , , , , , , , , , , ,	1
All wor	k performed a	s per Cirrus Design	SR22 and TCM IO-55	0 maintenance manuals and TCM SB96-7C
_ Torque	service bullet	in.		
2000				
Work p	erformed by:	Michael Dunkley ar	nd Philip Schmeid.	
I certify	that this ENC	GINE has been inspe	ected IAW an ANNUA	L INSPECTION and has been determined
	an airworthy			
_ /	-//	11		
Mu	MC2		ichael C. Dunkley	
			A&P 2378026 IA	
i			Aviation Plus LLC	
			262-656-1260	
			Aviation plus llc.com	
- 1				
01/02/2017	N385C Hobb	4420		

ught F	Phillips 20W50XC	coil. Ground run for o		no metal noted. Serviced engine with 7 qts al. Adjusted oil pressure to 60 psi at full power. tenance Manual.	ctions
ugiiti		~ /			-
	Wisconsin 3606 Corbo Madison, V 608-268-50	WI 53704	on IA	Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	_
	Registration:	N385C	Date:	06-02-2017	
	Manufacturer:	TCM	Hobbs Time:	1507.3	
	Model:	IO-550-N7	Total Time:	1507.3	
	Serial Number:	686839	Total Time.	1507.5	
	Serial Patrices.	000037			
			Fitle 14 CFR Part 43 Approvision B5, dated 15 Dec	endix D and using Cirrus Design SR22 2014.	
•				65/80, #2 63/80, #3 62/80, #4 68/80, #5 65/80, #6	, .
			spection. No defects not		
•				d inspected oil filter and found it free of	
				and saftied. Serviced engine with 8 quarts of	
	Philips 66 X/C Av	vitaion SAE 20W50 oil	l.		
•	Installed 12 new s	park plugs P/N RHB32	2E, torqued and installed	leads.	
•	Re-secured #1 cyli	inder fuel injector line	clip under induction hose	clamp.	
•	AD's checked thru	bi-weekly revision 20	017-11.		
				the state of the same of the s	
				David DeJong and Stephen Swartzentruber.	
I ce		NE has been inspected	IAW an ANNUAL INSP	David DeJong and Stephen Swartzentruber. ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP		
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP		
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA Aviation Plus LLC	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260	ECTION and has been determined to be in an	
I ce	rtify that this ENGIN	NE has been inspected  Dale M	IAW an ANNUAL INSP Coates 041483 IA Aviation Plus LLC	ECTION and has been determined to be in an	
I ce airw	rtify that this ENGIN	Dale M (A&P # 30	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260	ECTION and has been determined to be in an	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com	ECTION and has been determined to be in an	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com	ECTION and has been determined to be in an	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com	ECTION and has been determined to be in an	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	Aviation Plus LLC 262-656-1260 Aviationpluslic.com	PECTION and has been determined to be in an an an arrangement of the interval of the control of	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	Aviation Plus LLC 262-656-1260 Aviationpluslic.com	ECTION and has been determined to be in an	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	Aviation Plus LLC 262-656-1260 Aviationpluslic.com	PECTION and has been determined to be in an an an arrangement of the interval of the control of	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	Aviation Plus LLC 262-656-1260 Aviationpluslic.com	PECTION and has been determined to be in an an an arrangement of the interval of the control of	
I ce airw	ntify that this ENGIN worthy condition.	Dale M (A&P # 30	Aviation Plus LLC 262-656-1260 Aviationpluslic.com	PECTION and has been determined to be in an an an arrangement of the interval of the control of	
I ce airw	rtify that this ENGIN worthy condition.	Dale M (A&P # 30	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com ecked brake fluid reservo	pir. Checked tire pressures. Serviced battery.	
I ce airw	ntify that this ENGIN worthy condition.  11/2017 N385C Ho nged oil and filter(8q 9/27/2017 N5 Hobbs Hours: 1587.3	Dale M A&P # 30	IAW an ANNUAL INSP Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com ecked brake fluid reservo Rot	pir. Checked tire pressures. Serviced battery.	
I ce airw	ntify that this ENGIN worthy condition.  11/2017 N385C Ho nged oil and filter(8q Hobbs Hours: 1587.3 Changed oil and filter	Dale M (A&P # 30)  Subbs 1543.5  Its Phillips 25W50). Che	IAW an ANNUAL INSP  Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com  ecked brake fluid reserve Rot  Cirrus R22	pir. Checked tire pressures. Serviced battery.  Dert Russell 3411885IA  Engine Logbook  et for contamination, none found.	
I ce airw	ntify that this ENGIN worthy condition.  11/2017 N385C Honged oil and filter(8q Hobbs Hours: 1587.3 Changed oil and filter Removed and replace	Dale M (A&P # 30)  A&P # 30  Dale M (A&P # 30)	Aviation Plus LLC 262-656-1260 Aviationpluslic.com ecked brake fluid reserved Rot  Cirrus R22	pir. Checked tire pressures. Serviced battery.  Dert Russell 3411885IA  Engine Logbook  ct for contamination, none found.  ting flange by K&K Welding per Cirrus	
I ce airw	ntify that this ENGIN worthy condition.  11/2017 N385C Honged oil and filter(8q Hobbs Hours: 1587.3 Changed oil and filter Removed and replace	Dale M (A&P # 30)  A&P # 30  Abbs 1543.5  Its Phillips 25W50). Che  with Phillips 20W50 oil ed engine oil cooler after using new Continental g	IAW an ANNUAL INSP  Coates 041483 IA  Aviation Plus LLC 262-656-1260 Aviationpluslic.com  ecked brake fluid reserve Rot  Cirrus R22	pir. Checked tire pressures. Serviced battery.  Dert Russell 3411885IA  Engine Logbook  ct for contamination, none found.  ting flange by K&K Welding per Cirrus	
I ce airw	ntify that this ENGIN worthy condition.  11/2017 N385C Ho nged oil and filter(8q Hobbs Hours: 1587.3 Changed oil and filter Removed and replace MM 79-20. Installed u Engine was ground in The above work was	Dale M (A&P # 30)  A&P # 30  A&P # 30  Abbs 1543.5  Its Phillips 25W50). Che  with Phillips 20W50 oil ed engine oil cooler after using new Continental g un, not leaks noted completed in accordance	Aviation Plus LLC 262-656-1260 Aviationpluslic.com ecked brake fluid reserve Rol  Cirrus R22  I. Cut open filter to inspect or repair of cracked mount paskets supplied by Poplatics with current regulations	ECTION and has been determined to be in an oir. Checked tire pressures. Serviced battery.  Engine Logbook  Engine Logbook  It for contamination, none found.  Iting flange by K&K Welding per Cirrus of Grove Airmotive.	
I ce airw	ntify that this ENGIN worthy condition.  11/2017 N385C Ho nged oil and filter(8q Hobbs Hours: 1587.3 Changed oil and filter Removed and replace MM 79-20. Installed u Engine was ground in The above work was	Dale M (A&P # 30)  A&P # 30  A&P # 30  Abbs 1543.5  Its Phillips 25W50). Che  with Phillips 20W50 oil ed engine oil cooler after using new Continental g un, not leaks noted completed in accordance	Aviation Plus LLC 262-656-1260 Aviationpluslic.com ecked brake fluid reserved Rot  Cirrus R22  I. Cut open filter to inspected repair of cracked mount paskets supplied by Popla	ECTION and has been determined to be in an oir. Checked tire pressures. Serviced battery.  Engine Logbook  Engine Logbook  It for contamination, none found.  Iting flange by K&K Welding per Cirrus of Grove Airmotive.	



# K & K Precision Welding

2083 Hwy. L Unit 15 East Troy, WI 53120 (262) 642-5003 (414) 333-6833 FAA Certified Repair Station #XKKR436L

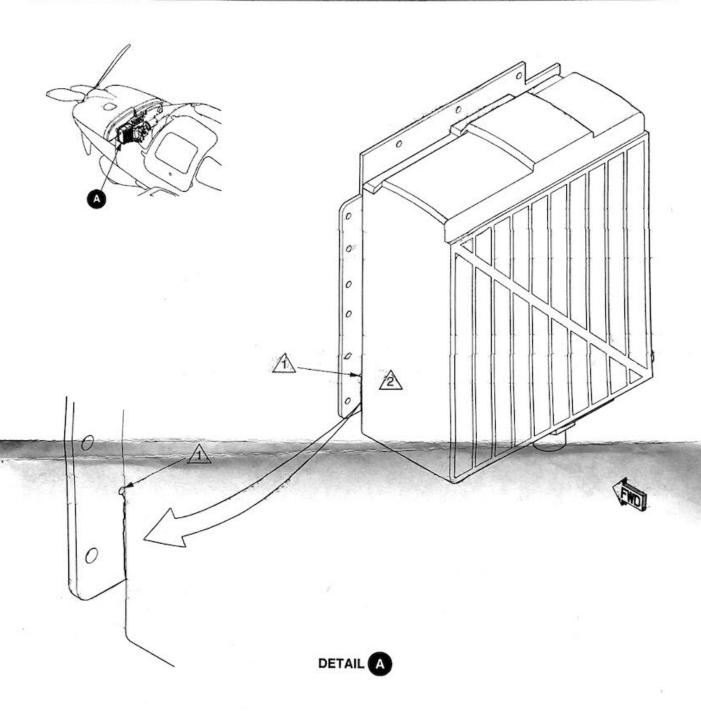
Work Order # 6350

Tax

**Total Amount** 

Name: OA al	1 + 111	D 0. 27 11
	Amount LLC	Date: 9.27-17
	Rose SS ICC.	T -: 15 -
	CAILE	State: IZ Zip: 6603
	45- 7996	Fax #:
Aircraft Make - Model:	CIMPUS	N#: 385C
Preliminary InspLimits	C/W XW 9.27.17	
Material I.D	clw KW 9-27-17	
In Progress - Hidden Damage _	dw KW 9.27-17	•
Completed - Final Inspection _	-1. 1/1.10 12 17	
Completed - Final Inspection _	C/W / W / D/ //	
Qty. Part Number	Item Name	Mech In Insp. Sign Amou
	oil cooler	KW K. Wecked
, E,		
187.5.7		
	Damage Found - Repa	ir Description
11/0/1 2"	and mountine fl	ann De nooded
Roppic IAL	1) Spor # Popp.	No other Defects noted
110	o specti 1000.	WO Office Screen horey
		Labor
	MAINTENANCE RELEASE	
accordance with current	ance indentified on this form was repaired nt FAA regulations and was approved to re	eturn to service.
Pertinent	details of the repair are on file at this ager CRS #XKKR436L	
	1 . 1 .	Shipping

Authorized Signature K. Weckerly Date 9-27-17



### NOTE:

Use stop drill technique in accordance with FAA AC 43.13-1B to prevent crack in oil cooler mounting flange from spreading further.

If oil cooler mounting flange has any cracks that have spread into the oil cooler body, replace oil cooler.

SR22\_MM79\_2045

Figure 79-202
Approved Repairs - Oil Cooler Mounting Flange Weld

EFFECTIVITY:

79-20 Page 5 15 Apr 2007

12/4/2017 N	1385C	Cirrus	R22	Engine L	ogbook	The state of the s
Habbs Time: 1607.6		Onrus		Liigilio		nce Record
	ter change in ac	cordance with the m	anufacturers mainten	nance manual. Installed	10	Special Inspections,
The above work was Administration and is	completed in a	ccordance with curre	at regulations of the	Federal Aviation	=	
Autimistration and is	s approved for it	Signed	The state of the s		_	
		Signed	Databasa	y A&P 2780247	<del></del>	
1			Davio Tanane	y AQP 2100241	-	
Date: 2/22/2018; Aircraft:					-	
Serviced new battery p	o/n G-243, s/n G	02978955 with acid	and charged in accor	rdance with Gill Activati	on and	
Service instructions. Insta Dan Stammen	alled battery in a	aircraft. Operational	check normal.			
A&P 2636878 IA	100					
1/2	ul				-	
□ Missessis Autoti		=				
		n \ \ \ \		nsin Aviation - Wa	tertown	
Madison, WI 537		1 41		River Drive		
608-268-5003	704			own, WI 53094	_	
000-200-3003			920-26	1-4567	,	
					(C. 4)	
H	722220	000001				
F	N385C	Cirrus	SR22	Engine	Logbook _	
Hobbs 1649.8	lter change is a					
quarts of Phillips 20	iter change in a W50 Oil and CH	decordance with the made and the first section of the control of t	anufacturers mainter	nance manual. Installe for contamination - no	d8 - ne	NAST E
found. Washed engi	ne, run and che	cked for leaks.	por mor to enarring	Tor contamination - no	-	-0264
The above work was	completed in a	ccordance with curre	intregulations of the	Federal Aviation	- 2	
Administration and is	s approved for r	and the second second	ie work accomplished	d		
-		Signed				
			David Tahane	y A&P 2780247	-	
H					-	
MM5		Registration:	N385C	Date:	07/02/201	18
- Aviati	Ton	Manufacturer:	Continental	Hobbs Time:	1671.1	
24387 Airport Road		Model:	IO-550-N7	Tach Time:		
Coshocton OH 43812 Phone: 740-622-6848		Serial Number:	686839	TSMOH:	1671.1	
_				Total Time:	1671.1	
					107 1.1	
-Annual inspection acco				ter 5-20, Traditional		
Program, Annual / 100  -AD compliance verific						
AB compliance verific	ou unough bri	rectify revision 2011				
-Cylinder compressions	were taken with	the following results	: #1- 74/80, #2- 65/	80, #3- 67/80, #4-		
7080, #5-73/80, #6-70/8	80. Master orific	e reading: 48				
-After pre-inspection eng						
inspected. No metallic r						
Removed oil sump plug,					8 quarts Phillip	s
XC20W50. Oil filter and						
- Spark plugs removed, ir						
washers. Spark plugs to Sept. 2014	rqued per l'able	B-4, ICM 10-550 P	ermoid Engine Main	tenance and Overnaul	Manual dated	1
-Removed induction air fi	ilter element and	installed a new Bra	ckett P/N BA24 elem	ent		
_ The following people wor	ked on this engi	ne: D. Neely and Te	ry McClary			
The aircraft, airframe, airc	craft engine, pro	peller, or appliance i	dentified above was	repaired and inspected	d in accordance	)
with current maintenance details of the repair are or	rules of the Fed n file at this Ren	ierai Aviation Admini air Station under Wo	stration and is appro rk Order #2330-12R	ved for return to servic S	e. Pertinent	
	080 30000	1	m VD	/ /		
	Signed: Terry		for MMS Aviation	07/02/2019	3	
-		Authorized Signatus proved repair station		721L;		
		4387 Airport Rd, Co.				

Da				,	TEAM				
Di				Travel Ex	press Aviation Maintena ge Airport, West Chicago, IL	ince, Inc. 50185		!CO	_
	Hobbs: 1			N385C	Model: Cirrus SR22	Serial: 0433	Invoice: 8989	ectio	ons,
Brought I	The follow	ving work wa	s accomplished Connected tes	sting equipr	ment. Tested compressions:	Cylinder #1 – 64/80,	#2 – 60/80, #3 – 60/80, #4		
	. Domos	and fuel inject	ors o-rings an	d seals. Son	e: .040 – 48 PSI. Reinstalled ic cleaned fuel injectors and	spark plugs. cleaned pressure tub	es. Reinstalled injectors		
	using r All work w	new seals and vas performed	o-rings. Leak of	with manu	inspected. ifacturer's specifications and	federal Aviation Re	gulations.		
	Shan Gara	1000, AP 3743	693 JA	رد	END				
	Sean Gara	010, 71 373							
	19-2019 on: N385C rus SR22			Air	frame Logbook In Hobbs: 1723.2	isert	JACKSOI JETCENTE FBO CHARTERS MAINTENAN	R	
S/N: 433					ACTT: 1723.2		3673 Rickenbacker St. Boise, ID 8	3705	
new oil	ilter CH481	09-1. Service	ed engine wit	h 7 qts. Ph	oved oil filter. Opened and nillips X/C 20W50. Run up nd inspected in accordance with cu	and leak check sat	ISTACTORY. A A and the was determined to be	in an	
airworthy o	ondition and a	pproved for retur	n to service with re	espect to the v	vork performed Pertinent details of	n file at this Repair Station	under Work Order No. <u>JJC-1911</u>	, I	
		Signature o	f Authorized Repr	esentative	F.A.A. Repair Station #GB	BR155E			
		- 1							
					12				
									22

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Recor
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspecti Modifications and Service Bulletins
Brought Forward		<b>→</b>			
	Г				

THIS ENGINE MODEL IO-550-N SN 686839 MAJOR OVERHAULED THIS DATE IN ACCORDANCE WITH TCM OVERHAUL MANUAL PUBLICATION M-16 CHANGE 2 DATE JULY 2015. ENGINE WAS DISASSEMBLED, CLEANED, AND VISUALLY INSPECTED. THE FOLLOWING ITEMS WERE SENT OUT FOR INSPECTION, AND CERTIFICATION: CRANKCASE, OIL COOLER, CRANKSHAFT, CONNECTING RODS, CAMSHAFT, LIFTERS, ROCKER ARMS, STARTER ADAPTER PIECES, AND ALL INTERNAL STEEL. CYLINDERS ARE NEW TCM KITS PN 658815A2. SEE TAGS ON ALL CERTIFIED ITEMS. ENGINE WAS ASSEMBLED WITH THE FOLLOWING NEW PARTS: MAIN AND ROD BEARINGS, ROD BOLTS AND NUTS, CRANK GEAR BOLTS, CAM GEAR BOLTS, ALL INTERNAL HARDWARE, OIL PRESSURE RELIEF SPRING, OIL TEMP CONTROL VALVE, OIL COLLAR, PISTON PINS, ALL GASKETS AND SEAL. STARTER ADA[PTER WAS REASSEMBLED WITH NEW BEARINGS, SPRING CLUTCH, AND OTHER WEAR ITEMS. ENGINE IS APPROVED FOR RETURN TO SERVICE PENDING INSTALLATION AND TEST

BRUCE MCWHORTER A&P 3690658

RUN. SEE AD LIST FOR AD COMPLIANCE.....END.

1/15/2020	HOBBS 1750.	V ETT 1750.1 TSO O.O TNSTALLED
74/2020		ENGINE IN N385C \$R22 SM 0433
		IN ACCORDANCE WITH CONTINENTAL
		M.M. AND CIRRUS M.M. SERVICED
		WITH PHELLEPS 2000-50 M OTL THE
		CH'D MAGNETOS P/N 10-500556-1 3/4'S
		DOZKADIO 1 DOZKADIZ ENGINE SHOW
		MOUNTS REPLACED REPLACE IGNATION
		HARNESS AND SPARK PLUGS ENLINE
78		GROWND RUN AND OPS. CK GOOD. THE
		ENGINE HAS BEEN TUSPECTED FOR
		A 100 HR INSPECTION WITH REFERENCE
		TO CONTINENTAL M.M. AND FAR 43
		APP. "D" AND IS ATRUSPANY FOR
		RETURN TO GETWICE. A \$ P26.94082.
		turale A\$P3694082.

IO-550 SERIES IO-550-N

### AIRCRAFT RECORDS - DO NOT DESTROY

engine

Company

HEART OF THE WEST AIRCRAFT ENGINES, INC.

Manufacturer

TELEDYNE CONTINENTAL MOTORS

Model

Location

686839

Serial # **TSMOH** 

"0"

**Total Time** 

\*86-13-04 R3

02/24/88

CYLINDER BARREL CRACKING/

Method of Compliance NA BY INSTALLED CYLINDERS

Date

**Next Due** 

Signature

Cert. #

87-14-02

10/05/87

STARTER ADAPTER SHAFTS/

Method of Compliance NA NOT EQUIPPED

Date

**Next Due** 

Signature

Cert. #

88-03-06

04/15/88

TCM PRO-TECH ENGINE OIL FILTER/

SB#

Method of Compliance NA NOT EQUIPPED

Date

**Next Due** 

Signature

Cert. #

88-17-03

08/10/88

STARTER ADAPTER DRIVE SHAFT/

SB#

Method of Compliance NA BY ENGINE MODEL Date

**Next Due** Cert. #

Signature

91-19-03

09/29/91

CHAMPION ENGINE OIL FILTER/

SB#

Method of Compliance NA NOT EQUIPPED Date

**Next Due** 

Signature

Cert. #

93-08-17

08/23/93

OIL PICK-UP TUBE INSPECTION/

Method of Compliance NA BY ENGINE MODEL SB#

**Next Due** 

Signature

Date

Cert. #

93-10-02

08/12/93

CYLINDER VALVE RETAINER KEY/

Method of Compliance NA BY INSTALLED CYLINDERS

**Next Due** 

SB# Signature Date

Cert. #

93-16-15

12/14/93

**FUEL PUMP DRIVE SHAFT COUPLING/** 

Method of Compliance NA BY ENGINE MODEL

**Next Due** 

SB# Signature Date

Cert. #

Prepared by

<sup>\*</sup> Indicates possible recurring inspections Tdata, Inc IO-550 SERIES IO-550-N Page 1 of 4

#### Airworthiness Directive Compliance Record \*94-09-07 07/05/94 SUPERSEDED BY AD 95-03-14/ Method of Compliance SUPERSEDED SB# **Next Due** Date Cert. # Signature 94-14-12 SUPERSEDED BY AD 95-21-15/ 06/23/94 Method of Compliance SUPERSEDED SB# Date **Next Due** Signature Cert. # \*95-03-14 03/13/95 INSPECTION OF ENGINE MOUNT BRACKETS/ Method of Compliance NA BY ENGINE MODEL SB# Date Next Due Signature Cert. # 95-21-15 11/28/95 ENGINE TEARDOWN AND INSPECTION/ Method of Compliance NA BY ENGINE MODEL SB# **Next Due** Date Signature Cert. # \*96-12-22 07/31/96 OIL FILTER ADAPTER ASSEMBLY NUT/ Method of Compliance NA NOT EQUIPPED SB# Date **Next Due** Signature Cert. # 98-01-08 12/23/97 **EXHAUST ROLLER BEARING ROCKER ARMS/** Method of Compliance NA NOT EQUIPPED Date **Next Due** Signature Cert. # 99-09-17 04/22/99 SUPERSEDED BY AD 99-19-01/ Method of Compliance SUPERSEDED Date Next Due SB# Signature Cert. # 99-19-01 09/30/99 CRANKSHAFT CHEEK CRACKS/ Method of Compliance NA BY ENGINE SN **Next Due** SB# Date Signature Cert. # 00-08-51 04/28/00 SUPERSEDED BY AD 2000-23-21/ Method of Compliance SUPERSEDED SB# Date **Next Due** Signature Cert. #

00-23-21 12/12/00 CRANKSHAFT CONNECTING ROD JOURNAL

Method of Compliance NA BY ENGINE SN

SB # Date Next Due Signature Cert. #

Prepared by BM Ww

Date 3/15/2020

<sup>\*</sup> Indicates possible recurring inspections Tdata, Inc IO-550 SERIES IO-550-N Page 2 of 4

04-08-10 05/05/04 ENGINE COMPONENTS, INC. STC'D CYLINDERS/ Method of Compliance NA BY INSTALLED CYLINDERS SB# **Next Due** Date Cert. # Signature 07-04-19 03/12/07 REVISED BY AD 2007-04-19 R1/ Method of Compliance REVISED **Next Due** SB# Date Signature Cert. # 07-04-19 R1 05/07/07 SUPERIOR AIR PARTS, INC. CAST CYLINDER ASSEMBLIES/ Method of Compliance NA BY INSTALLED CYLINDERS SB# Date **Next Due** Signature Cert. # 07-16-10 08/23/07 TURBOCHARGER COMPRESSOR ROTOR/ Method of Compliance NA BY ENGINE MODEL SB# Date **Next Due** Signature Cert. # \*09-16-03 09/09/09 SUPERSEDED BY AD 2014-05-29/ Method of Compliance SUPERSEDED SB# Date **Next Due** Signature Cert. # \*09-19-07 10/07/09 EQ3 CYLINDER HEAD ASSEMBLIES/ Method of Compliance NA BY INSTALLED CYLINDERS SB# **Next Due** Date Signature Cert. # 09-24-51 11/16/09 **SUPERSEDED BY AD 2009-24-52/** Method of Compliance SUPERSEDED SB# Date **Next Due** Signature Cert. # 09-24-52 11/18/09 **SUPERSEDED BY AD 2010-11-04/** Method of Compliance SUPERSEDED SB# Date **Next Due** Signature Cert. # 10-11-04 06/16/10 HYDRAULIC VALVE LIFTERS/ Method of Compliance NA NOT EQUIPPED SB# Date **Next Due** Signature Cert. # 11-25-51 12/28/11 **SUPERSEDED BY AD 2012-10-13/** 

Method of Compliance SUPERSEDED

SB#

Signature

Date

**Next Due** Cert. #

Prepared by

<sup>\*</sup> Indicates possible recurring inspections Tdata, Inc IO-550 SERIES IO-550-N Page 3 of 4

12-03-06 AFS FUEL SERVO DIAPHRAGM/ 02/24/12 Method of Compliance NA NOT EQUIPPED SB# Date Signature 12-10-13

**Next Due** Cert. #

STARTER ADAPTER SHAFT GEAR/ 06/08/12 Method of Compliance NA NOT EQUIPPED

Date

**Next Due** 

Signature

Cert. #

\*14-05-29

04/25/14

SUPERIOR AIR PARTS INVESTMENT CAST CYLINDER ASSEMBLIES/

Method of Compliance NA BY INSTALLED CYLINDERS

SB#

Date

**Next Due** 

Signature

Cert. #

16-16-12

09/15/16

ECI CLASS 71 OR CLASS 76 CYLINDER ASSEMBLY FAILURES/

Method of Compliance NA BY INSTALLED CYLINDERS

Date

**Next Due** 

Signature

Cert. #

### AIRCRAFT RECORDS - DO NOT DESTROY

engine

Company

SOUTHWEST TEXAS AVIATION INC.

Manufacturer

TELEDYNE CONTINENTAL MOTORS IO-550N (7)

Model

Location Serial #

686839

TSMOH

Total Time

160.2

00-08-51

04/28/00

SUPERSEDED BY AD 2000-23-21/

Method of Compliance SUPERSEDED

Date 7-1-04 HOBBS: 160.2

Next Due

Signature .

Cert. # 455827575 IA

00-23-21

12/12/00

CRANKSHAFT CONNECTING ROD JOURNAL/

Method of Compliance N/A BY ENGINE S/N

Next Due

Date 7-1-04 HOBBS: 160.2 Signature

Cert. # 455827575 IA

04-08-10

05/05/04

ENGINE COMPONENTS, INC. STC'D CYLINDERS/

Method of Compliance N/A, ECI CYLINDERS NOT INSTALLED

Date 7-1-04 HOBBS: 160.2

Next Due

Signature .

Cert. # 455827575 IA

<sup>\*</sup> Indicates possible recurring inspections Tdata, Inc IO-550N (7) Page 1 of 1