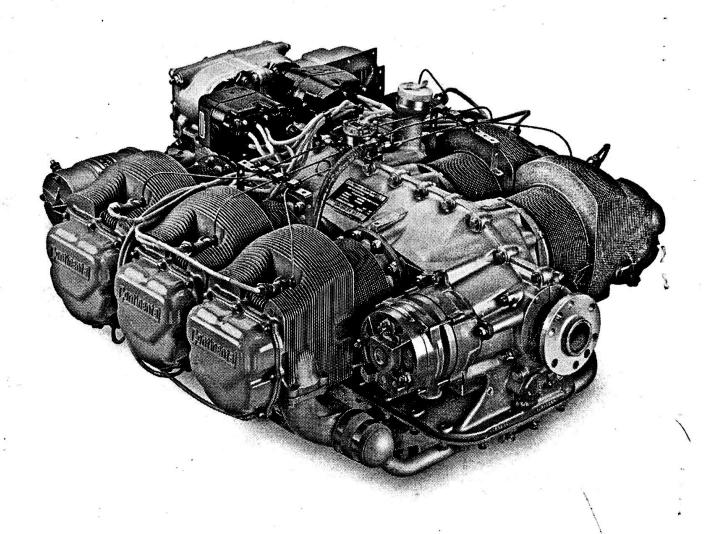
ENGINE LOG BOOK





Teledyne Continental Motors, Inc.

Form No. ELB-01



Teledyne Continental Motors, Inc. A Teledyne Technologies Company

Engine Component Information Sheet 02/27/2003 Printed:

Serial:

686877 A/C 0520

02/26/2003 Assembled:

Spec:

I0550N7B

Shipped:

1 1 1 1 1

New/Rebuilt:

(NEW)

Packed:

02/27/2003

Customer Name:

CIRRUS DESIGN CORPORATION

Shipping Address:

Biiipping rad			Serial Number
Component	Serial Number	Component	Peliai Hamper
CAMSHAFT	Z03AA162	NOZZLE SIZE	12E
CRANKSHAFT	N03AA112	METERING UNIT	A03BA160
CRANKCASE	R03BA014	STARTER	02 280 0229
CONNROD	AE02JC410	ALTERNATOR	003BA056
CONNROD	AE02JC412	OIL COOLER	A03-2147-65
CONNROD	AE02JC428		
CONNROD	AE02JC437		
CONNROD	AE02JC439		
CONNROD	AE02JC447		
L MAGNETO	D03BA100		
R MAGNETO	D03BA097		
FUEL PUMP	B03BA196		
MANIFOLD VALVE	C03BA169 P		



Pack Inspection Stamp.

All of the information provided herein is subject to verification by the user. Teledyne Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

Date	Tota	I Time	March 1992, 1299 (1997)	Since Overhaul	Engine Service and Maintenance Record		
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins		
3-14-03	0	-					
					Serviced Engine with 8 Qts of Phillips 20 WPOG		
					Straight Mineral Oil on <u>63/14/03</u> by 94		
					Champions		
					Champions Aviation Aircraft Maintenance - Aviantee		
					8319 Thora Ln, Hangar D-1, Spring, Tx 77379 281-376-5418		
					Date: 05/23/03 Make: CIRRUS Model: SR22 N#: 98RF		
					Serial #: 0520 Airframe Time: 34.1		
					INSTALLED AIR OIL SEPERATOR		
					The work identified above was performed in accordance with		
					current Federal Aviation Regulations and found to be airworthy for		
					return to service.		
					Signed: MAJED SHEADEH 45 377793		
					MAJED SHEMADEH 45 377793		
Serviced er contaminate to rocker co	ver. Gro	ith 8 qts Oil san ound/ryn	operatio	15W50. nitted. In nal and l	IO-550-N(7) S/N: 686877 bs: 0048.8 Engine Total Time: 0048.8 Installed new oil filter. Old oil filter inspected. No ferrous establed new drain hose from air/oil separator for positive flow eak check satisfactory. END. Wells A&P523116767 w/o 19624		
				ADA	DALIOE ARDO		
12760 E	AST CO	ONTRO	L TOWF	R ROAT	PAHOE AERO D ENGLEWOOD, COLORADO 80112 (303) 799-8386		
			Cont	inental	IO-550-N(7) S/N: 686877		
12 Septe	mber 2	003	C!	Ho	hh-, 0004 4		
contaminates	noted (u o qts. Dil same	Shell :	15W50.	installed new oil filter. Old filter inspected. No ferrous		
the aft left ha	ffle for	improve	d		positioned previously installed air / oil separator higher on ricated and installed cover over old breather hole in baffle.		
Ground run le	ak checl	k satisfa	ctory. El	ND.	reaced and installed cover over old breather hole in baffle.		
			The second second		Walls A C DECOME		
2. July	w	26		_L. Johi	1 Wells A&P523116767 w/o 19921		
		26		_L. Johi	wells A&P523116767 w/o 19921		
2.74		46		_L. Johi	wells A&P523116767 w/o 19921		
3.44		4		_L. John	wells A&P523116767 w/o 19921		
S. Jul.		46		_L. John	wells A&P523116767 w/o 19921		
3. Jul.				L. John	wells A&P523116767 w/o 19921		
2.40				L. John	wells A&P523116767 w/o 19921		
2.74				_L. John	wells A&P523116767 w/o 19921		
2.70				L. John	wells A&P523116767 w/o 19921		
2.40				_L. John	wells A&P523116767 w/o 19921		

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

Brough'

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N98RF Continental IO-550-N(7) S/N: 686877 Total Time: 149.50
04 June 2004 Hobbs Time: 149.50

100 Hour Inspection for Annual completed this date using the Cirrus SR22 maintenance manual inspection form as a guide. Compression test: #1) 76/80, #2 75/80, #3) 75/80, #4) 76/80, #5) 75/80, #6) 75/80. Changed oil and filter. Oil sample submitted. Serviced engine with 8quarts (Shell 15W-50). Installed and safetied new oil filter. Old filter cut open and inspected for contaminates-no contaminates noted. Removed, cleaned, gapped, tested, rotated and reinstalled spark plugs. Removed, cleaned, installed, torqued and resealed fuel injectors. Removed and installed new alternate air duct support on #5 exhaust header. Installed new Adel clamp for anti-ice line adjacent to #5 cylinder. Retorqued lower tubular mount attachment bolts to 40 ft/lbs. Removed and installed new rivet in aft engine baffle seal retainer. Removed and replaced Brackett induction air filter. Checked operation and rigging of engine and propeller controls and lubricated. Engine ground run, operational and leak check satisfactory. Complied with the following Cirrus Service Bulletins: SB 22-71-03 (oil cooler baffle flange), by removing attaching hardware, cutting and removing baffle and resealing the affected area as outlined in service bulletin. SB 2X-71-07 (oil breather line), complied with by removing M20 Air / Oil Separator, installation hardware and modified #2 intake rocker box cover. Installed new original style intake rocker cover using new gasket and original hardware as required. Installed new engine breather hose and associated clamps per manufactures instructions. See Form 337 dated this date for removal of M-20 air/oil separator. AD's checked through Biweekly 2004-10. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY

CONDITION END.

L. John Wells A&P 523116767

w/o: 20758 / 20765

Date:01/20/2005

Engine S/N: 686877 TCM Model: IO-550-N(7) Hr. Meter: 193.0

N98RF

Drained oil and inspected filter for metal (oil sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 6 Qts. Aeroshell 15W-50. Ran engine and checked for leaks.

Houston Aviation Center, LLC Sugar Land Regional Airport

12888 Hwy. 6 South Sugar Land, TX 77478 Found 7 Hm

Fouad F. Hussain A&P461558166

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD; ENGLEWOOD, COLORADO 80112 (303) 799-8386

N98RF Continental IO-550-N(7) S/N: 686877 Total Time: 207.20

2 June 2005 Hobbs Time: 207.20

100 Hour Inspection for Annual completed this date using the Cirrus SR22 maintenance manual inspection form as a guide. Compression test: #1) 71/80, #2 71/80, #3) 75/80, #4) 74/80, #5) 73/80, and #6) 71/80. Changed oil and oil filter. Serviced engine with 8quarts (Aeroshell 15W-50). Installed, torqued and safetied new oil filter. Old filter cut open and inspected for contaminates-no contaminates noted. Oil sample submitted. Removed, cleaned, gapped, tested, rotated, reinstalled, and torqued spark plugs. Retimed left and right magnetos to engine. Cleaned and resealed fuel injection nozlles. Adjusted and secured engine breather hose assembly at No. 2 induction tube. Adjusted tension on engine exhaust springs and resafetied using new installation hardware as required. Removed and installed new Brackett induction air filter. Checked engine fuel pressure, idle mixture and idle RPM, Adjusted as required per SID97-3C. Post inspection engine ground run, operational and leak check satisfactory. Engine Components Incorporated AD 2004-08-10 (engine cylinders), dated 05-04-2004, does not apply-affected cylinders are not installed. Airworthiness Directives checked through Biweekly 2005-10. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100-HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. END.

Scott L. Utz A&P523021803

w/o: 22057

Date	Tota	Time		Since verhaul	Engine Ser	vice and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Modifications and S	tions, Airworthiness Directives, Special Inspections, ervice Bulletins
ouni Formeri	-	{>				
					RAPAHOE AER	
100 E. C.	E	CONTR	OL TOV	WER RO	AD; ENGLEWOOD, -550-N(7) S/N:	COLORADO 80112 (303) 799-8386 686877 Total Time: 280.10
00 Tune	98RF	Hobb	s Time:	280.10		
100 House	Inspec	ion for	Annual	complete	ed this date using the	Cirrus SR22 Maintenance Manual
Inspection	Form a	s a guide	e. Differ	ential cor	mpression test: #1) 72	2/80, #2) 74/80, #3) 74/80, #4) 74/80, #5) d engine using 7quarts (Aeroshell 15W-
FO) Imato	llad tore	med and	safetied	new Cha	ampion CH48108-10i	l filter. Old filter cut open and inspected
C	minates 1	o ferrou	is contar	ninates n	oted. Oil sample has	been submitted. Cleaned, gapped, tested.
rotated, re	einstalle	, and to	rqued sp	ark plugs	s. Removed mechanic	al rivet and installed new "AN" machine r. Stop drilled crack in baffle adjacent to
allow	coverno	- Annlie	ed nad of	FRTV to	lower section of alter	mate air duct. Repositioned and secured
denot to me	awant fin	ther cha	fing on	ower en	gine cowl. Tightened	"B" for TKS de-ice system art of engine
cooling b	affle. Wa	shed do	wn engi	ne using	safety solvent. Check	ted and lubricated engine and propeller on air filter Part No. BA24. Post inspection
ongine or	ound rur	-un one	erational	and leak	check satisfactory. I	CM AD 2005-12-06 (Impulse coupling),
dated 07	10-2005	CHIPPETCE	des AD	96-12-07	7. does not apply: how	vever, the 500 nour impulse coupling
imamantin	in ctill	recomme	ended as	outlined	in MSB645. Airwor	thiness Directives checked through BEEN INSPECTED IN ACCORDANCE
Biweekly	2006-1	I. I CER	CTIFY I	INAL I	D WAS DETERMIN	NED TO BE IN AN AIRWORTHY
CONDIT	ION /E	ND.		/		
	AL	we	w	/	_L. John Wells A&	&P 523116767 w/o: 23515 / 23530
		A	1	1		
ENGINE	MODEL: 10-	550N7 C	irrus Des	ign Fact	ory Service Center	DATE 7/31/2007 A/C TSN 329 2 ENG TT 329 2
ENGINE REG. N	S/N: 686877 D: 98RF	Re	pair Station N	to. YD5R8551	1	HOBBS: 329.2
WORK 9502-0	ORDER: 7-2007	Du	uluth, MN 558 none: 218- 78	11		
	ne Entrie		1			2007 14 all ADS are in
(5) Per	formed engin	9 100HR insp	pection IAW o	cirrus mm cha	opter 5-20 and 5-30 (8) Resear oil sample, removed oil fitter and	ched ADs through bi-weekly issue 2007-14, all ADs are in performed particulate inspection, no discrepancies noted, it. Leak and operational check good, work performed IAW
installe	new oil filter	P/N CH4810	Dorformed er	naine cylinder	compression and boroscope inst	pections, no discrepancies noted on boloscope inspections.
compre	ssions are as	TOHOWS. #1	14/00, #2	(13) Pemo	ved cleaned inspected, gapped,	tested rotated, and reinstalled spark plugs in the resture setting
section	12 (16) R	emoved, clea	illen' urabect	conlaced oil C	onler P/N 654585, S/N off A03-21	147-65 B/N on EU7-5672-272 IAVV CDC AVIIII VS 2011 (CV)
Remov	ed and replac	ed cyl. #5 IU	o of lave To	N 10-550 OV	verhaul Manual X30568A, Set Ma	gneto Timing IAW TCM Service Bulletin MSBS4-00 Dill Street
						Quality Aircraft Accessories inc FVAY Forth of Social Social Management of Social Soci
been ii	ispected in a	ccordance w	im an armuai	r 1001 II II ISPOO		a property or appliance identified
					ments of the Federal Avation Ad RS YD5R855Y.	aff, airframe, aircraft engine, properer, or application and is approved for return to service. Pertinent
	: 7/31/200		SIGN		1-16	Work Order: 9502-07-2007
DATE	//31/200	*	Mike M	1cGinn	tion No YD5R855Y	Printed by EBis 3 (datcomedia.com)
	1			1	1 /	N#98RF
			17 - 27 - 2		HOBBS:372.0	NATE:10 19 07
			17 gr		ACTT :372.0	
			1	1		ACTION ACTION ACTION ACTION
				_	CHANGED O	IL & FILTER SERVICED WITH ACKOSHELL
					15/50 OTL R	IL & FILTER SERVICED WITH AEROSHELL
	A STATE				15/50 OIL. R	RUN UP SATISFACTORY. REIFF PREHEATER SYSTEM PER SUPPLIED
	The state of the s	2 (A)			15/50 OIL. R INSTALLED INSTRUCTI	RUN UP SATISFACTORY. REIFF PREHEATER SYSTEM PER SUPPLIED ONS. [MINOR ALTERATION].
					15/50 OIL. R INSTALLED INSTRUCTI	RUN UP SATISFACTORY. REIFF PREHEATER SYSTEM PER SUPPLIED
					15/50 OIL. R INSTALLED INSTRUCTI	RUN UP SATISFACTORY. REIFF PREHEATER SYSTEM PER SUPPLIED ONS. [MINOR ALTERATION].
					15/50 OIL. R INSTALLED INSTRUCTI	RUN UP SATISFACTORY. REIFF PREHEATER SYSTEM PER SUPPLIED ONS. [MINOR ALTERATION].

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		→			HOBBS: 420.4 N98RF 4-3-08
	-				CHANGED OIL& FILTER, SERVICED WITH
	-				AEROSHELL 15/50. RUN UP & LEAK CHECK
	2.2				SATISFACTORY.
	-				
	1				CRAIG CUNNINGHAM
					A&P 3525022627
					I Mul
			I		
– 7	RDER:		Patitre Beecharsh 5:		O 63005
ADMINISTRATION OF THE PROPERTY	Entries				
2008	(3) Drained	d oil and to	ok SOAP s	ample. Add	Cirrus SR-22 Maintenance Manual p/n 13773-001 Revision A2, dated May 30, ded 8 qts Aeroshell 15W50 oil. Replaced filter p/n CH48108-1. Leak check
good (2) 77/80	(4) Replace 0, (3) 76/80	ed 12 spar 0, (4) 71/80	rk plugs p/n 0, (5) 71/80,	RHB32E. I (6) 72/80.	installed and torqued to 360 inlb (5) Completed compression check: (1) 70/80,
Maintena	nce Release)			
L certify th	at this engir	ne has been	inspected in	accordance w	with an Annual Inspection meeting the intent of 14 CFR 91.409 and Part 43, Appendix D and approved for return to service. Pertinent details of the inspection/repairs are on file at this
I certify the	nat this engir determined	ne has been to be in an	airworthy con	accordance we dition and is a ed work order	approved for return to service. Pertinent details of the inspection/repairs are on file at this
I certify the	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not	dition and is a	approved for return to service. Pertinent details of the inspection/repairs are on file at this Work Order: 3441-07-2008
I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F	dition and is a ed work order	approved for return to service. Pertinent details of the inspection/repairs are on file at this r.
I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Work Order: 3441-07-2008 Printed by EBis 3 (datcomedia.com)
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I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Work Order: 3441-07-2008 Printed by EBis 3 (datcomedia.com) Printed by EBis 3 (datcomedia.com)
I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Printed by EBis 3 (datcomedia.com) Start Gritter open for large Time. Cot Gritter open for large Time. Cot Gritter open for large Time.
I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Printed by EBis 3 (datcomedia.com) Start Gritter open for Inspection. On No. DEBR152D Control of the inspection/repairs are on file at this for the inspection/repairs are on file at this for the inspection of the inspection o
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I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Printed by EBis 3 (datcomedia.com) Start Gritter open for Inspection. On No. DEBR152D Control of the inspection/repairs are on file at this for the inspection/repairs are on file at this for the inspection of the inspection o
I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Printed by EBis 3 (datcomedia.com) Start Gritter open for large Time. Cot Gritter open for large Time. Cot Gritter open for large Time.
I certify the has been repair sta	nat this engir determined tion DEBR1	ne has been to be in an	airworthy con the above not SIGNE Joseph F Certified	dition and is a ed work order	Printed by EBis 3 (datcomedia.com) Start Gritter open for large Time. Cot Gritter open for large Time. Cot Gritter open for large Time.

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		-			in the second se
6-26-09		HR	1.1 6	22.9	Coupleted Amnia Tisp
,					JOW SQ-22 M/m. Corprossion
					Test: 1) 69/80, 2/66/80 1) 2/80 4) 68/05) 50
	100				6/65/80. Chamed on + Fitter.
					Out fitter open for insp. And was
					found olean. Senical L'The Aerostell
					1006 Plus. Cloured, graped + Tested
					Spark pluss, Tested 191 harness.
					Phedra pas Timing. Opposed frel
					soreer + Boil. Chance Frel pozzles.
	2747				Replaced Air Filter expect. Perture
					ground run-ip. chacked for lacks
					and returned To service.
2					
					CERTIFY THAT THIS THE HAS BEEN INSPECTED.
	15.00		8		IN ACCORDANCE WITH AN AGAIN INSPECTION
				21	IND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
	1			8 2	M Thines
					AUTHORIZED SIGNATURE
					SP6381500
	0		į u		
N98	RF				Heritage Aero, Inc.
Cirr	us SR-2	2			1651 Grumman Dr
S/N	0520				Rockford, II. 61109
Engi	ine	Date	: 10/14/0)9	Hobbs: 724.6 Work Order # 2051
Drai	ned oil a	nd checl	ced filter	for cont	amination. None found. Installed new
CH4	8108-1	filter and	d service	d with 7	qts Aeroshell 15W50 oil. Performed
Grou	ind run a	and leak	checke	nd-	
			Steve	n C. Diet	tz 319661902 AP
			SU	na C	Duetz
	T	T	ı	z z	
			-	-	
	+	+	-	+	
	+-	-			
	+	+	-		
	+	+	-		
		_	1941		

Time Since Total Time Date Last Overhaul Min. Min. Hrs.

Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,

Brought Fon



Aviation Maintenance, Inc.

1115 S Wolf RD Wheeling, IL 60090 / (847) 541 – 4752

ENGINE LOG ENTRY

N #: 98RF DATE: 12/04/09 Hobbs: 763.4 T.T. Eng.: 763.4

- Performed inspection per Cirrus Maintenance Manual and completed all routine servicing.

 Drained oil and changed filter (CH48108-1). Serviced engine with 8 qts. Aeroshell 15W50 oil. Performed differential compression check (all values out of 80 psi.): #1/71 ,#2/72 ,#3/73 ,#4/71
- Checked magneto timing.
- Removed, cleaned, inspected, gapped, and tested spark plugs. Reinstalled with new gaskets.
- Removed, cleaned, inspected, and reinstalled fuel injectors.
- 7. All AD's checked through ATP biweekly 12/16/09.
- Ran engine and checked operation, all functions normal, no leaks detected.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED PACCORDANCE WITH A 100 Hr. INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.—END—

Joseph Fritzen AP2758946IA

ENGINE MODEL: 10-550-N ENGINE S/N: 686877 REG. NO: 98RF WORK ORDER: 4283-05-2010



Aviation Maintenance, Inc.

1098 S. Milwaukee #301 Wheeling, IL 60090 Phone: 847-541-4752

DATE: 5/20/2010 A/C TSN: 837.2 ENG TT: 837.2 TSMOH: 837.2 HOBBS: 837.2

Engine Entries

Drained oil and changed filter (CH48108-1). Took sample and sent for analysis. Serviced engine with 8 qts. Aeroshell 15W50 oil.... Reinstalled magnetos (Left: s/n D05JA159, Right: s/n D04HA142) after 500 hr. inspection by Aircraft Systems Inc. Installed with new hardware and gaskets.... Replaced #1 CHT probe with new Cirrus probe 14880-001. Ran engine and checked operation, all functions normal and no leaks detected.

The aircraft and/or component(s) on 98RF was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at 15 sepair station under Work Order No. 4283-05-2010, Dated

DATE: 5/20/2010

SIGNED: JFritzen, IA: AP2 58946IA

Work Order: 4283-05-2010

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10-550-N ENGINE S/N: 686877 REG. NO: 98RF WORK ORDER:



Aviation Maintenance, Inc.

1098 S. Milwaukee #301 Wheeling, IL 60090 Phone: 847-541-4752

DATE: 7/7/2010 A/C TSN: 861 ENG TT: 861 TSMOH: 861 HOBBS: 861

Engine Entries

Replaced faulty EGT probe for cylinder #1 with new (12641-001 0534) probe. Ran engine and checked EGT operations, ops ck's good.

Maintenance Release

The aircraft and/or component(s) on 98RF was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 4387-07-2010, Dated 7/14/2010.

DATE: 7/7/2010

SIGNED:

Work Order: 4387-07-2010

CSwanick, A&P: 2725102

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Broug

Aviation Maintenance, Inc.

1115 S Wolf RD Wheeling, IL 60090 / (847) 541 – 4752

ENGINE LOG ENTRY

N #: 98RF DATE: 03/18/11 Hobbs: 937.5 T.T. Eng.: 937.5

Performed annual inspection per Cirrus Maintenance Manual and comple servicing.

Drained oil and changed filter (CH48108-1). Serviced engine with 8 qts. A

Took sample and sent for analysis.
Performed differential compression check (all values out of 80 psi.): #1/65

#4/67, #5/69, #6/65.

Checked magneto timing.
Replaced induction air filter (BA-24). Replaced all spark plugs with new (RHB32E) spark plugs. Reinstalled wi

Removed, cleaned, inspected, and reinstalled fuel injectors. Removed LH muffler and sent to Dawley Aircraft Welding for repair. Re

using new hardware and expansion springs.

All AD's checked through ATP biweekly 03/03/2011.
Ran engine and checked operation, all functions normal, no leaks detected.

SERVICEABLE

Pertinent details of the exhaust system component repairs are on file at this repair

Name Ar, Mount INC

Inspected by

Dawley Aviation

140 Industrial Dr. Burlington, WI 53105

1-800-338-5420

FAA CRS No. NJ5R069N

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.—END—

Fritzen AP2758946IA

ENGINE MODEL: IO-550-N ENGINE S/N: 686877 REG. NO: 98RF WORK ORDER: 4922-07-2011



Aviation Maintenance, Inc.

1098 S. Milwaukee #301 Wheeling, IL 60090 Phone: 847-541-4752

DATE: 7/28/2011 A/C TSN: 976.5 ENG TT: 976.5 TSMOH: 976.5 HOBBS: 976.5

Engine Entries

Drained oil and changed filter. Took sample and sent for analysis. Serviced engine with 8 qts. Aeroshell 15W50 oil. Ran up aircraft to check for leaks and none detected at this time.

The aircraft and/or component(s) on 98RF was repaired was found Airworthy for return to service. Pertinent det d in accordance with current FARs rules of the Federal Aviation Regulations and air are on file at this repair facility under Work Order No. 4922-07-2011.

Moneyth SIGNED: Kold C. RMatney, A&P: 3334224

Work Order: 4922-07-2011

Printed by EBis 3 (datcomedia.com)



Aviation Maintenance, Inc.

1115 S Wolf RD Wheeling, IL 60090 / (847) 541 – 4752

ENGINE LOG ENTRY

N#: 98RF TCM IO-550N S/N 686877 DATE: 04/03/12 Hobbs: 1029.8 T.T. Eng.: 1029.8

1. Performed annual inspection and completed all routine servicing per Cirrus and TCM Maintenance Manuals.

Drained oil and changed filter (CH48108-1). Serviced engine with 8 qts. Phillips 20W50 X/C oil. Took sample and sent for analysis.

Performed differential compression check (all values out of 80 psi.): #1/68, #2/61 #3/55 #4/64 #5/64 #6/62

Checked magneto timing.

Replaced induction air filter (BA-24).

Removed, cleaned, inspected, gapped, and reinstalled spark plugs. Reinstalled with new gaskets. Removed, cleaned, inspected, and reinstalled fuel injectors.

Reinstalled alternates = 1/2 (4/24) = 1/2 (2022) + 2/2

Reinstalled alternator p/n 646843, s/n 003BA056 after 500 hr. inspection by Aircraft Systems Inc.

All AD's checked through ATP biweekly 03/09/2012.

Ran engine and checked operation, all functions normal, no leaks detected.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.—END—

Joseph Fritzen AP 27563461A



	30.5	100	al Time		Since Overhaul	Engine Service all Installations, Inspections, Airw	nd Wainter	es, Special Inspection
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t Fo	ward .		- The second sec			Modifications and Service Buil		10/07/11
_	REG. N	O. N	98RF	4-3-1		MIDWEST AVTECH INC.	DATE	10/27/11
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-	WOF	NO: 981	R:	10	Wheelin	g, IL 60090		TSMOH: 1080.2
		-07-2012		Same	Phone: 8	847-541-4752		HOBBS: 1080.2
		ine Er		filter n/n CLL40	110.1 T		with 9 ate. Phillips 20WEG V	C oil Ran engine for
	leak	check, no	one found.	mer p/n CH48	110-1. Took s	sample and sent for analysis. Serviced engine w	vitir o qts. Priillips 200050 X/	o on, rearrengine for
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	was f	ound Ain	worthy for re	eturn to service	e. Pertinent de	etails of the repair are on file at this repair facility	y under Work Order No. 530	08-07-2012.
	DAT	E: 7/13/	/2012	s	IGNED:	LE	Work	Order: 5308-07-2012
				THE PERSON NAMED IN	Allgood, A&P:	2838751	TOTAL TANK THE PARTY OF THE PAR	s 3 (datcomedia.com) —
Sec.	THE REAL PROPERTY.							
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Date		Total	Time	200200000000000000000000000000000000000	Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections					
	ŀ	Hrs.	Min.	Hrs.	Min.	Installations, I	nspections, Airwand Service Bull	orthiness Dir	ectives, Special Ir	nspections,	
	L	1113.	IVIII I.	1110.			and Service Rilli	etins		20	
Brought F	Avia Mai Inc		 Drai Cut Instanta 	npleted 100 ined oil and open oil fi	ENC N98RF DA' Ohr insp. IA' d took oil sa lter to exam CH48108-1	W TCM MM M-16 umple. Serviced eng ine for contaminant oil filter and safetie	CNTRY 1:42.3 TTAF:1134 dated 8/31/2011 and ne with 8 qts of Philes, (NONE NOTED):	d 14CFR43 app Illips 20w50 XC	oil.		
	×		 Perf Chec Che Clea Ran 	cked timing cked AD s aned and te engine an	npression tes on both mags tatus throug ested all spar d checked of	st (all values over 8 th <u>ATP biweekly 9/</u> rk plugs, installed us perations, all op's n	O PSI): 1/64, 2/63, 3. 17/2012. Sing new gaskets. Formal, (NO LEAKS)	NOTED):	6/65.		
			0 HR. INSPI	ECTION ANI	was detei	RMINED TO BE IN AN END	ED IN ACCORDANCE V	TON AT THIS TIM	E		
	e	и	vith respec	t to the wo	ork perform	ed the Engine is ap	proved for return to	service.		-	
					David	L. Allgood AP	2838751 IA		-		
				T	1		A 10 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0				
M S/ RI W 55	IAKE: Cirru IODEL: Sr2 /N: 0520 EG. NO: 96 /ORK ORD 502-01-201 .irframe	BRF BER: 3 Entries		10 W Pr	998 S. Milwauk heeling, IL 600 none: 847-541	090 -4752			DATE: 3/8/2013 A/C TSN: 1169.2 TACH: 76.8		
	eplaced #1 n G243.	cylinder C	CHT probe. p	o/n 14880-00	1 I/A/W Cirrus	MM p/n 13773-001 reis	sue B June 2010 Ch. 77	'-20. Ops check go	od Replaced #1 battery	. —	
T		and/or com					with current FARs rules			+	
			ormed, for re			details of the repair are of	n file at this repair facilit			1	
<u>D</u>	ATE: 3/8/	2013	4	SIGNE	IA: 2838751				k Order: 5502-01-2013 Bis 3 (datcomedia.com)	- /	
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RE RE	NGINE MO NGINE S/N EG. NO: 98 ORK ORDI 502-01-201: ngine E	: 686877 BRF: ER: 3	50-N	10: W	viation Ma 98 S. Milwauk neeling, IL 600 one: 847-541-	90	*		DATE: 3/8/2013 A/C TSN: 1169.2 ENG TT: 1169.2 TSMOH: 1169.2 TACH: 76.8		
R8	R starter a emoved spa	adapter p/r ark plugs fi	n 642083A12 rom #4 cylind	for repair by der cleaned	y G&N w/o 693 and tested. Op	345 R&R engine driv ps check good.	en fuel pump p/n 65592	1-1A5 for repair by	G&N w/o 69360	- d	
	aintenance		da .			,			2		
The res	e aircraft a spect to wo	nd/or comp rked perfo	ponent(s) on rmed, for ret	98RF was r um to şervic	epaired and in e. Pertinent d	nspected in accordance letails of the repair are	with current FARs rules on file at this repair facili	s of the Federal Avity under Work Ord	ation Regulations, with ler No. 5502-01-2013.		
	ATE: 3/8/2	2013		SIGNE	A	20	1		k Order: 5502-01-2013	-	
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Date VIATION Aviation Maintenance, Inc. 1115 S Wolf RD Wheeling, IL 60090 / (847) 541 – 4752 **Brought Forward ENGINE LOG ENTRY** N# N98RF DATE: 5/6/2013 Tach:79.1 TTAF:1171.5 Completed annual insp. IAW TCM MM M-16 dated 8/31/2011 and 14CFR43 appendix(D) Drained oil and took oil sample. Serviced engine with 8 qts of Phillips 20w50 XC oil. Cut open oil filter to examine for contaminants, (NONE NOTED): 3. Installed new CH48108-1 oil filter and safetied. 4. Performed compression test (all values over 80 PSI): 1/55, 2/59, 3/59, 4/60, 5/64, 6/62. 5. 6. Checked timing on both mags. Checked AD status through ATP biweekly 4/29/2013. Cleaned and tested all spark plugs, installed using new gaskets. Ran engine and checked operations, all op's normal, (NO LEAKS NOTED): I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. END With respect to the work performed the Engine is approved for return to service. David L. Allgood AP 2838751 IA DATE: 8/20/2013 ENGINE MODEL: IO-550-N Aviation Maintenance, Inc. A/C TSN: 1222.5 ENG TT: 1222.5 ENGINE S/N: 686877 REG. NO: 98RF 1098 S. Milwaukee #301 WORK ORDER: 5732-08-2013 Wheeling, IL 60090 Phone: 847-541-4752 TSMOH: 1222.5 TACH: 130.1 **Engine Entries** Drained oil and changed filter (CH48108-1). Took sample and sent for analysis. Serviced engine with 8 qts. Phillips 20W50 X/C oil. Maintenance Release Number: The aircraft and/or component(s) on 98RF was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations, with respect to worked performed, for return to service. Pertinent respects of the repair are on file at this repair facility under Work Order No. 5732-08-2013. SIGNED: DATE: 8/20/2013 Work Order: 5732-08-2013 41083 JFritzen, IA: pr 2758946IA Printed by EBis 3 (datcomedia.com) tract/Invoice 1083 etus/Work: ENGINE MODEL: 10-550-N Aviation Maintenance, Inc. DATE: 9/24/2013 ENGINE S/N: 686877 NEW A/C TSN: 1235 ENG TT: 1235 REG. NO: 98RF 1098 S. Milwaukee #301 WORK ORDER: 5750-09-2013 Wheeling, IL 60090 TSMOH: 1235 Phone: 847-541-4752 TACH: 142.6 **Engine Entries** Removed engine driven fuel pump 655921-1A5, s/n 903BA196 and sent to G & N Aircraft for bench check. Tested normal. Reinstalled pump with supplied gasket. Trimmed fuel system to TCM specs. Set un-metered fuel pressure to 9.5 PSI @ 600 RPM and metered to 20.1 PSI @ 600 RPM.... Replaced cracked oil cooler with new 8000953, s/n 4041083 oil cooler. Ran engine and checked operation, All functions normal and no leaks detected. Maintenance Release The aircraft and/or component(s) on 98RF was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations, with respect to worked performed, for return to service. Pertirent details of the repair are on file at this repair facility under Work Order No. 5750-09-2013. SIGNED: Work Order: 5750-09-2013 DATE: 9/24/2013 JFritzen, IA: A 2758946IA Printed by EBis 3 (datcomedia.com)

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Type Hob ****E Con s/n 0 4/9// 68/8 insp met acc Dar A&I W 36	e: IO-550-N7, S/Nbs: 1272.4 Flig ngine Work*** Removed starte tinental Motors, Co63380077 and ir 2012 under PMA Compression 80, #3) 62/80, #4) section per TCM sal noted, service ordance with TCM Stammen 2636878 IA isconsin Avia 1006 Corben Cadison, WI 508-268-5003	ht Hobbs: 144.7 r adapter, p/n 64208 RS# PC#508, WO# stalled new Sky-Ter PQ0852SW. test performed in ac 74/80, #5) 70/80, #6 B03-3, no defects r d engine with 8 qts. I M SID 97-3E. Groun tion - Madison court 3704	Modifications at CIRRUS SR22; S/N 24.9; Prop - Type: Ph 3A12 and installed states at 269147, dated 2/29 c starter m/n C24ST cordance with TCM 6) 72/80. Master Orificated. Changed oil at 24/2004/E	spections, Airworthiness Directives, Special Inspend Service Bulletins 1: 0520; Hobbs: 144.7; Total Time: 1224.9; Engine -HC-J3YF-1RF, S/N: FP2184B, Time: 1224.9. 1: starter adapter, p/n R-642083A12 after rebuild by 1/2012. Removed Iskra starter p/n 656181E24V, 5, s/n 4C5-141202 manufactured by Sky-Tec on SB03-3 compressions as follows: #1) 64/80, #2) fice of the day 46/80. Performed borescope and filter p/n CH48108-1, took sample, cut filter, no Checked and set fuel injection system fuel flows in I and leak checks good for work performed. Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	
Date Type Hob Ho	s: 12/03/2013; Air e: IO-550-N7, S/N bs: 1272.4 Filg ngine Work*** Removed starte tinental Motors, Co 63380077 and ir 2012 under PMA Compression 30, #3) 62/80, #4) section per TCM S al noted, service ordance with TCM Stammen 2636878 IA isconsin Avia isconsin Avia isconsin Avia 606 Corben C adison, WI 5 08-268-5003	ht Hobbs: 144.7 r adapter, p/n 64208 RS# PC#508, WO# stalled new Sky-Ter PQ0852SW. test performed in ac 74/80, #5) 70/80, #6 B03-3, no defects r d engine with 8 qts. I M SID 97-3E. Groun tion - Madison court 3704	CIRRUS SR22; S/N 24.9; Prop - Type: Ph 3A12 and installed s 269147, dated 2/29 c starter m/n C24ST: cordance with TCM 6) 72/80. Master Orif noted. Changed oil a Phillips X/C 20W50.	starter adapter, p/n R-642083A12 after rebuild by 1/2012. Removed Iskra starter p/n 656181E24V, 5, s/n 4C5-141202 manufactured by Sky-Tec on SB03-3 compressions as follows: #1) 64/80, #2) fice of the day 46/80. Performed borescope and filter p/n CH48108-1, took sample, cut filter, no Checked and set fuel injection system fuel flows in I and leak checks good for work performed. Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094	
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P # b m a a G	ype: IO-550-N7, stengine Work*** Completed and D 14-05-29 (4/25) omplied with Cirr SB 08-3B, no de Changed oil a hillips X/C 20W5 1) 7080, #2) 62/80 orescope inspecting to engine time of lubricated. Fastround run for op I certify that to be in airworthy loug Seibel &P389765035 I/	n Annual inspection /14) Superior Air Paus SA 13-03 (4/29/fects noted. and filter p/n CH481 0. Compression tes. 0, #3) 68/80, #4) 68/80, #4) 68/80; Retimed left arabricate and installe erational and leak chis engine has been condition.	in accordance with arts Cast Cylinders is 13) Throttle and Mixing 13) Throttle and Mixing 13. Throttle and Mixing 13. Throttle and Mixing 14. The strength of	Wisconsin Aviation - Waterton	d
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Date	Total	Total Time		Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,			
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins	, , , , , , , , , , , , , , , , , , , ,		
rought Forward		→		l	_akeland Aujation			
			Rem Insta	all new	N98RF Tach 1348.1 owling, check no charge on aux alternator. SD20 alternator, Operational check OK			
			4-14		Keland Aviation N98RF Tach 1363.4			
			Remo Install number	ve engi l new S er 4C5-	ine cowling & original Sky-Tec starter. ky-Tec model C24ST5 starter, serial -121505. Reinstall cowling, operational			
					EAA DMA			
			Serial No by Sky-T Supplem FAA-App This artic For instal	ec under to ent No roved Qua- le has bee llation eligi	at Sky-Tec Model No. <u>C24ST5</u> was manufactured new on <u>26 Mar 2015</u> he authority of FAA-PMA No. PQ0852SW in accordance with Sky-Tec's ality System (14CFR Part 21, Subpart K). and determined to be airworthy. bility see <u>www.skytecair.com/eligibility.htm</u> N <u>98RF</u> by <u>Mile Tamborino</u> (Mechanic)			
2			Form CC1	1108-1				
eil Char	ige_	200	1	1	OIL CHANGE (1348.1 TACH)			
			DI S	ERVICE Cl	3-21-15 N98RF OIL AND REPLACE OIL FILTER WITH CH48109 D ENGINE WITH 9 QUARTS OF 20X50 XC OIL. JT OIL FILTER AND NO METAL NOTED BRANDON BAKER PILOT/OWNER			
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Date	Total	Time	Last O	100	Engine So	ervice and Maintenand	ce Record
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Type Hobb ***Er Char X/C 2 #2) 6 inspe engin good to be Patri A&P	7/15/201: IO-550-Ns: 1371.4 Igine World Complete Inged oil and 20W50. Co. 60/80, #3) Incetton per Incetting Incettin	5; Aircraf 17, S/N: 6 Flight I- compressions 68/80, #4 TCM SBC Checked that this end thy conditions Aviations en Cou WI 537	t: N98RF; 87877, Tin lobbs: 210 ual inspect in CH48100 on test pe 0 66/80, #5 03-3, no de i engine con gine has to	Type: CIR ne: 1296.2 6.0 ion in acc 9-1, took s frormed in 5) 68/80, # ifects note ontrol trave	RRUS SR22; S/N: 05 2; Prop - Type: PHC cordance with FAR 4 cample, cut filter, no accordance with TO 65) 70/80. Master Or 6d. Cleaned, gapped 6ls and lubricated. O	3, Appendix D. metal noted, serviced engine with 8 qts. P CM SB03-3 compressions as follows: #1) diffice of the day 46/80. Performed boresco d and tested spark plugs. Checked mag to Ground run for operational and leak checks with an Annual inspection and was determ Wisconsin Aviation - Water 1741 River Drive Watertown, WI 53094 920-261-4567	hillips 68/80, pe
608	3-268-5	003				320 201 100	
		piec rein	16 nove int es. Ren	98RF erior pl nove co wlings.	Hobbs 139 astic pieces, par wlings, install Run up, ops change AP	96.3 aint black, reinstall new #3 EGT probe,	
		DF	RAINED (OIL AND	CHANGE (1396 3-16-16 N98F SERVICED WIT NOT REPLACE DON BAKER PIL	RF ———— TH 8 QTS OF 20X50 OIL. E FILTER	
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	Total	Total Time Time Since Last Overhaul Installations, Inspections, Airworthiness Directives, Specific Specifi						
	Hrs.	Min.	Hrs.	Min.	Installations, Inspect Modifications and S	ervice Bull	etins	
	Type: IO- Hobbs Tir ***Engine Compl accordanc 68/80, #3) inspection CH48109- mag to en Adjuste repaired n	550-N/, 3 me 1426. Work*** eted an A ce with To) 70/80, # n per TCM -1, took s gine timil ed engine nanifold p med grou in accord	Annual insp CM Standa (4) 70/80, 1 M Standard ample, cut ang. Check idle mixturo robe wires dance with	pection in a ard Practice \$5) 68/80, a life from the rection in a ard Practice \$5 filter, no neure to manual an Annual	a: CIRRUS SR22; S/N: 341.5; Prop - Type: PH accordance with FAR 4 and Maintenance Manual #6) 68/80. Master Orificular Maintenance Manual Man	0520; Hobbs C-J3YF-1Rf 3, Appendix M-0, comprese of the day 0, no defect agine with 8 icated. s. Secured	s: 261.3; Total Time: 1341.5; Engine - F, S/N: FP2184B, Time: 1341.5 D. Compression test performed in essions as follows: #1) 62/80, #2) y 46/80. Performed borescope ts noted. Changed oil and filter p/n qts. Phillips 20W50 oil. Checked engine preheat power cords and I certify that this engine has been be in airworthy condition.	
	A&P 2702	325 IA sin Avi orben (n, WI	ation - I Court 53704	Madison		Wa	sconsin Aviation - Watertown 41 River Drive tertown, WI 53094 0-261-4567	
Typ ****E Cha Aen Clea lubr defe dete Dan A&F	e: IO-550- ingine Wo Completed inged oil a oshell. Co aned, gapl icated. Re ects noted ermined to a Stammer 2 2636878	N7, S/N: rk*** I a annua and filter p mpressio ped and t i-routed c . I certify be in air	al inspection CH481 in test as the tested spacerankcase or that this coworthy column (A)	on, in accordant of the control of t	rdance with FAR 43, Apsample, cut filter, no m) 56/80, #2) 60/80, #3) Checked mag to engine ose. Performed ground been inspected in accordance.	pendix D. etal noted, s 65/80, #4) 6 timing. Che- run, operati ordance with	95.4; Total Time: 1375.6; Engine - /N: FP2184B, Time: 1375.6 serviced engine with 8 qts. 15W50 64/80, #5) 64/80, #6) 70/80. cked engine control travels and ional, and leak checks - no in an Annual inspection and was	
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Date	e: 9/24/20 e: IO-550-	- 1			Control of the Contro	920	0-261-4567	