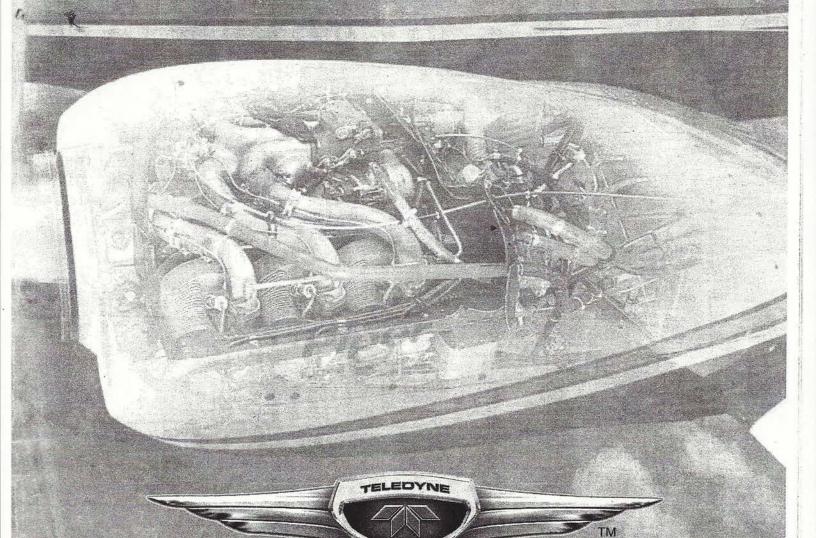
ENGINE LOG-BOOK/



CONTINENTAL MOTORS

Form No. ELB-01

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model

20530 N7B

Engine Serial Number 686342

Testing Completed

Standard Acceptance Test:

Date of Completion 6-27-02 Test Operator____

Form No 98344

CONTINENTAL MOTORS



Teledyne Continental Motors, Inc. A Teledyne Technologies Company

Printed: 06/28/2002

This engine model 10550N7

, Serial No. 686342 was manufactured on06/27/2002

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

	11	1.0		Nemau	Installations, Inspections, Airworthiness Directives, Special Inspections,
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins
Brought Forward	-				
	1			777	10-27-2011 N929DE Hobbs 358.0
	 				10-27-2011 NICIOC
	-				Installed AV-Wire wiring harness Part Number 512 22 for the
					purpose of accommodating off-aircraft battery charging. Wiring sized, protected and routed using appropriate Mil-Spec
					materials and procedures as outlined in AC43.13-1B, Chapter 11,
					sections 4 and 5. Charging connector, Anderson Spec-Pak receptacle, installed using acceptable procedures, and is to be used with
	-				BatteryMINDer® off-aircraft charging system. The alteration meets
					the design requirements of a "minor alteration" as specified in FAR Part 21.93, paragraph (a) and is installed with consideration for
					all recommended actions contained in SAFO #09018 dated 12-12-2009.
	-	<u></u>	EN	CIME MODEL:	
			10-	GINE MODEL: 550-N (7) GINE S/N: 686342	Clear Star Aviation DATE: 5/4/2012 A/C TSN: 380.2
			RE	G. NO: N929DE ORK ORDER: 113	4765 Frank Luke Dr. HOBBS: 380.2
					Phone: 972-267-2376
		-		igine Entries	
			5-2	20 and 5-30.	ine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual Checked the fuel system in accordance with SID 97-3EThe cylinder compression was
			ch	ecked with th	the following results: #1, 76/80 #2, 70/80 #3, 73/80 #4, 69r/80 #5, 76/80 #6, 75/80 psi. Master the oil and filter was changed and serviced with 8 quarts of AeroShell 15W-50 and a new
			CH	148108-1 filte	er. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix, AZCleaned
	-			tuel injector tboard baffle	r nozzles and reinstalled using new seals as requiredStop drilled crack on oil cooler lower aflange.
			Re	searched AD's	s through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has
			bee	en inspected in	a accordance with a 100HR inspection and was determined to be in airworthy condition. I have reviewed the tand the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance
			ide	ntified was rep	rains the accompanying discepting forms. The aridant airrainte, airrainte, aridant engine, propertient, of appliance values of the sectoral Aviation Administration and is on the sectoral Aviation Schools. The sector of the sectoral Aviation Administration and is on the sectoral Aviation Schools.
	1		-	ACTEC TO TELLI	The service. Pertinent details of repair are of the at this defined Repair Station SCSR0096.
			DA	TE: 5/4/2012	SIGNED Work Order: 113724
					Menge, Adam Printed by EBis 3 (datcomedia.com) Certified Repair Station No. 5CSR009B
				1 1	
				I	ARAPAHOE AERO —
12	2760 EA	ST CO	NTROL T	OWER F	ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
	N929I		Contine		IO-550-N() S/N: 686342 Engine Log Entry
	ember 2	-		Meter:	
					(3) 73/80, #4) 73/80, #5) 76/80, #6) 75/80. Cut oil filter open and
					Installed new oil filter. One crack noted at baffle mounting flange does not travel into the main oil cooler structure. No corrective
					commendations. r Continental Motors. Post inspection engine
					heck satisfactory.
	,.				w/o 32552
	Ĺ				
Di-t	0.0200	<i>r</i> n.	49 -1/1	17 -10	1/1 5/7 L 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
— Registration #	VYZYV	₽_Dat	e <u>12-14-</u>	12 IACH	1/HM: 517.6 Changed oil and filter. Serviced engine with —
					ter P/N (HY8/08-1). Inspected old filter element for
	minatio	nż non	e detecti	ed. Test i	ran and leak checked, no leaks detected at this time.
Signed		- 10/-1		5000	
— Livingston Avia	ation, ir	ic. wat	erioo, ia	. FAA Ap	proved Repair Station No: LVOR169J
	.000-		16.1		——————————————————————————————————————
Registration #	MIZYD	<u>€</u> Dat	e <u>1/31/1</u>	3 TACH	HM: 561.7 Changed oil and filter. Serviced engine with
					ter P/NCH48/08 - / . Inspected old filter element for
11-0-10-1	minatio	n; non	e detect	ed. Test	ran and leak checked, no leaks detected at this time.
Signed			~		
Livingston Avia	ation, ir	ic. Wat	erloo, la	. FAA Ap	proved Repair Station No: LVOR169J

Work Order 2257 N 929DE SN# 686342 Hobbs 561.70 Total 561.70 Date 2/11/2013



Livingston Aviation -2814 Betsworth Dr Waterloo, IA 50703 Repair Station # LV0R169J

Engine Log Entry

Person Aviation Inc. Woterland Inc.

Registration #11929DE Date 3	11/13 TACHILLAN 60% 0	
Phillips X/C oil and install	led new oil filter P/N (448/08 - / Ins	and filter. Serviced engine with
metallic contaminations non-	Ins	nected old filter classes t
Signed	in drid leak checked, no leaks of	letected at this time.
Livingston Aviation, Inc. Waterlo	po, Ia. FAA Approved Repair Station No: LVOR	-END
Pegistration #11(9700 -	the state of the s	169J —
Pulling X/C all Date (10/24/13 TACH/HM: 672, 2 Changed oi	and filter. Serviced engine with
metallic contamination	alled new oil filter P/N CH48/08 -/ . In	spected old filter element for
Signed(letested Tout ran and leak checked, no leaks	detected at this time
Livingston Aviation Inc. Water		END
wateri	oo, la. FAA Approved Repair Station No: LVO	R169J
ORK ORDER 2383	/	Livingston Aviotion
N 929DE		Livingston Aviation 2814 Betsworth Dr
S/N 686342 HOBBS 718.10	<u>Livingston</u>	Waterloo, IA 50703
TTSN 718.10	AVIATION	Repair Station # LVOR169J
SMOH N/A		100
DATE 11/27/2013	Engine Log Entry	
	s SR 22 service manual. Changed oil and filte	r W/ Phillips X/C oil Inspected
	S OR 22 SELVICE HIAHIDAL CHANGED ON AND THE	1 VV/ 1 HIIIDS /0 O OII. HISPOOLOG
d filter for metal, none found. Chec	cked compression: #1:76/80,#2:68/80,#3:72/8	0,#4:72/80,#5:70/80,#6:70/80.
d filter for metal, none found. Chec einstalled magnetos after overhaul	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nev	0,#4:72/80,#5:70/80,#6:70/80.
d filter for metal, none found. Chece einstalled magnetos after overhaulerviceable #4 intake pipe. Ran eng ertify that this ENGINE has been i	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nev ine, checked operation and for leaks. inspected in accordance with an ANNUAL ins	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece einstalled magnetos after overhaulerviceable #4 intake pipe. Ran eng ertify that this ENGINE has been i	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks.	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Checeinstalled magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Checeinstalled magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Co	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
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d filter for metal, none found. Checeinstalled magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Checeinstalled magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, IoFAA API Date: 1 Dec 14 TT:	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Checeinstalled magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io FAA API Date: 1 Dec 14 TT: Drained oil, Replace	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp,	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, IoFAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io FAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV spark plugs, replace	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E,	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Check constalled magnetos after overhauserviceable #4 intake pipe. Ran enginerity that this ENGINE has been in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Io FAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV spark plugs, replace performed compress	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed nevine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E, ssion check Cyl#1 70/80 Cyl#2 68/80 Cyl#3	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent of vingston Aviation Inc. Waterloo, Io FAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV spark plugs, replace performed compress 69/80 Cyl#4 69/80 C	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E, ssion check Cyl#1 70/80 Cyl#2 68/80 Cyl#3 Cyl#5 71/80 Cyl#6 70/80. Run up & system	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent ovingston Aviation Inc. Waterloo, Ione FAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV spark plugs, replace performed compress	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E, ssion check Cyl#1 70/80 Cyl#2 68/80 Cyl#3 Cyl#5 71/80 Cyl#6 70/80. Run up & system	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been it in airworthy condition. Pertinent of vingston Aviation Inc. Waterloo, Io FAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV spark plugs, replace performed compress 69/80 Cyl#4 69/80 C	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E, ssion check Cyl#1 70/80 Cyl#2 68/80 Cyl#3 Cyl#5 71/80 Cyl#6 70/80. Run up & system	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
d filter for metal, none found. Chece installed magnetos after overhauserviceable #4 intake pipe. Ran enguertify that this ENGINE has been in airworthy condition. Pertinent overlagston Aviation Inc. Waterloo, Io FAA API Date: 1 Dec 14 TT: Drained oil, Replace No Metal Found, SV spark plugs, replace performed compresses 69/80 Cyl#4 69/80 check good. No leal	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E, ssion check Cyl#1 70/80 Cyl#2 68/80 Cyl#3 Cyl#5 71/80 Cyl#6 70/80. Run up & system	0,#4:72/80,#5:70/80,#6:70/80. v RHB32E spark plugs. Installed END spection and was determined to
Date: 11 Dec 14	cked compression: #1:76/80,#2:68/80,#3:72/8 I by Quality Aircraft Accessories. Installed new ine, checked operation and for leaks. inspected in accordance with an ANNUAL installed are on file at this agency under Work Cowa Signed PROVED REPAIR STATION # LVOR169J 2.797.1 ed oil filter CH48108-1, Filter Cut and Insp, W 8 qts. 20W50-XC. Cleaned and gapped ed 1 champion spark plug RHM32E, ssion check Cyl#1 70/80 Cyl#2 68/80 Cyl#3 Cyl#5 71/80 Cyl#6 70/80. Run up & system ks found.	20,#4:72/80,#5:70/80,#6:70/80. Very RHB32E spark plugs. Installed END spection and was determined to Order #2383 Dated 11/27/2013.

			Last O	verhaul	Ligito Oct 700 and Instanting Special Inspections							
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins							
Brought Forward		_			Wodingations and Cornes Delication							
Slought i Orward	1											
	Dat	te: 03/0	1/2016	KF	ALTER Walter Aviation, Inc VIATION 1684 230th Street							
	N9	29DE		₩ 🦞	VIATION 1064 250 Succe N.C. P.O. Box 214							
		BBS: 8		~	Independence, IA 50644							
		EN: 82			(319) 334-4000							
	Eng	ine was ir	spected l	AW an ani	nual inspection and Cirrus SR-22 inspection							
	checl	dist. An A	D search v	was perfor	med and no AD's were found to be							
	applicable. The oil was drained and the filter cut open and inspected. Spark plugs were cleaned and gapped. Magneto timing was checked. A compression											
	check and borescope inspection was performed. No problems were discovered during the borescope inspection. Compressions were 1: 65, 2: 73,											
											3.75	3: 75 4: 60 5: 72, 6: 73. The muffler and heat shroud were removed,
		+ inspe	ected, and	pressure	tested. N	o leaks were noted. Engine was serviced						
	with	8 quarts	of Philips	X/C 20W-5	50 oil and a new Tempest AA48108-2 oil							
	filte	r. Due to l	ack of run	time this	year, the next oil change is recommended in							
	10 h	ours at 83	31.1 hobbs	5.								
THE PART OF THE STATE OF	7	1	1	I								
03/01/2016	821.	1 -			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAL							
07/09/2010	0-11			\vdash	A LOWHR INSPECTION AND FOUND TO BE ATRIMORTHY AT							
					THIS GIME.							
	+	-			V							
	+-			1-	production of the state of the							
	_	3-1-2016 Tach: 821.1; ETT: 821.1										
	-	Deen inspected I.A.W. an Annual Inspection & was determined to De in an Airworthy Condition.										
	_	b = souted T.A.W. an Annual										
		oren —	الراج من	1	was determined to							
		Insp	ectio	14 P	was delevanted							
		be in	an	Airu	porthy condition.							
	-											
	_				Section 1997 Annual Control of Co							
	_			~								
			1									
			c i territori essonia	w w	7.ALTER Walter Aviation, Inc							
		e: 03/2	1/2016	M	VIATION 1684 230th Street							
		29DE	22.7	V X	INC. P.O. Box 214							
	P38999	BBS: 8 EN: 833			Independence, IA 50644							
	1 000000			acted of	il filter. A small amount of ferrous							
	Drai	on was	discover	ed Fngi	ne was serviced with 8 quarts of							
	Phill	ips X/C	20W50 a	and a ne	w Tempest AA48108-2 oil filter.							
				<u></u>								
	Brer	nt LeCle	re									
		_										

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
rought Forward		-			
DATE: 02/16/20 N 929DE HOBBS: 861.8 ITAF: 861.8 ISNEW: 861.8			•		VIATION 1684 230th Street PO Box 214 Independence IA 50644 (319) 334-4000
Opened engine note found. Clea JRHB-32E. Chec vere: 1: 76, 2: 7 new Tempest A	for inspaned, gasked ma 6, 3: 74 448108	ection. apped, agneto , 4: 70, -2 filter	Drained and rota timing. F 5: 75, 6 r. Runup	l oil and ited spai Performe : 76. Ser and ops	removed oil filter. Checked oil filter media, nothing of rk plugs. Replaced eight spark plugs with new Tempest ed compression test and borescope exam. Compressions viced engine with 8 quarts of Phillips 20W-50 X/C and a check OK. See annual inspection this date in aircraft log.
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an sunceri					
100 - 200					
77					
	1	1	1		