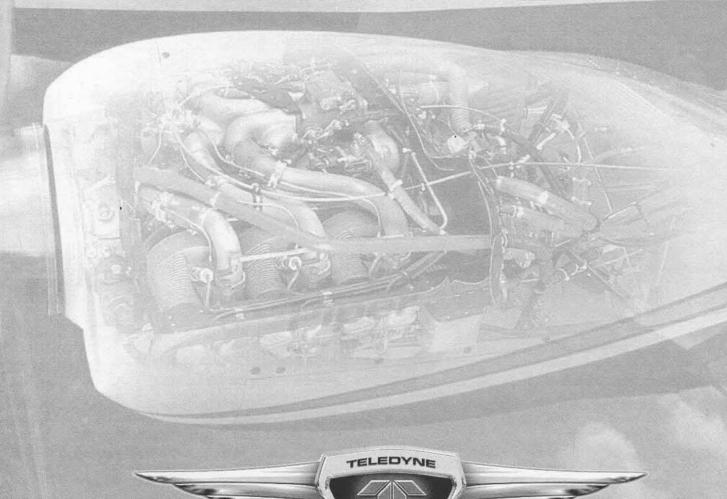


## ENGINE LOG BOOK



CONTINENTAL MOTORS

## **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.

This engine model <u>I0550E</u> /	_, Serial Number _ 68/060
was manufactured on 12-28-2000	by Teledyne Continental
Motors in accordance with approved design of	lata and the applicable requirements of
Part 21 of the Federal Aviation Regulation T	he approved design data for this engine
incorporates all changes required by applicab	le Airworthiness Directives and Teledyne
Continental Motors Service Bulletins.	



TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record				
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins				
7-13-K	J			6.1					
	-				emill Enterprises Inc. aville Tn. 37206				
	Rubbo Qts. A S/N N were check END.	ne S/N 68 er Mater Aeroshell 105669. installed Satisfac	81060 <u>LF</u> ial was R l Oil Grad Install Ne at this tin	Lord Mepaired of the 40 Min we Air, Per under Leaks for the Leaks for th	2607.6 A/C Hobbs. Install Engine S/N 681061 RH And flounts, and Hoses were replaced with new. Baffling and or Replaced as necessary. Service the engine with 12 neral. Install a New Pneumatic Pump P/N 442CW Pneumatic Filters. J.P. Instruments EGT & CHT Probes STC # SA00729WE see 337 for details. Ground Ops und. I certify this engine is airworthy for return to service.				
	500 KENY (650)	T 2607	.6		A&P2178607 ————————————————————————————————————				
	4/9/90. Note: 7 AC TT 680060	FAA A <sub>I</sub> This eng 2607.6	oproved f ine has a	light mai	8-4T in Accordance with STC SA432SO Amended mual Suppliment placed in the aircraft flight manual or POH.  de compensating fuel system.  Karl M. Crist  AP2178607				
					00.0 Engine TT I have complied with AD 99-09-17 and				
	Continental Service Bulletin 99-3A by comparing the Serial number to the Continental Supplied list in the Service Bulletin Dated 04-22-99. This engine Model <u>IO-550-E</u> and Serial Number <u>681060</u> Does NOT appear on that list. No further action is needed. I Certify that this engine is airworthy for return to service. Work done by Colemill Enterprise Inc. END.								
	A/C 42HF Left Engine  Korlfuleot  Karl M. Crist  AP2178607								
19/01	262	9.2	Ac Ital	BS,	DRAIN ON REMOR AND CLEAN OIL SCREEN				
					NO METAL WAS FOUND SERVICE THIS RUSING				
					With 11 97 W 100 OLL, OU SAmple WAS TAKEN,				
					RECREITY This RAGINA ALLUSTING for Re Type To Sencie: AND Kelled if 21786.				

Date	Total	Time		Since	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward		-			
6 Aug 01, 26	47.7	Hobbs	Inso	ected	engine using Baron Shop Manual of TCM 50 hour inspection
					Trained oil inspected and cleaned oil screen serviced
	100			1	100W. Renoved, cleaned gapped, rotated & reinstalled
Limitin		100			10 41-72, \$2-75, \$3-75, \$4-72, \$5-73, \$6-74.
					eto timing, Grand runup & leak check good.
	The	-, ffr	- Agr	2635	791
21 Nov 01 . 265	9.2	Hobbs.	Drain	1 in las	inspected and closured oil screen serviced with 11gt
	Aeros	hell 1	10 w (	found.	un / leak check good. Thurston ASP 2635991-
1Aproz. 2670	6.7 Ho	bbs 6	7.1 TIS.	Orain	ed oil, inspected and cleaned oil screen, serviced with
	1				enoved, cleaned, gapped, whated, & renstalled spark
	plus	s. In	nested	tileon	I fuel injection antal screen. cleaned fuel injection
	1				timing IAW TOM MSB 94-8A. TOM CSBOILI N/A,
	subj	ect f	rel pur	~p P/.	V's not installed. TCM CSB 02-2 NIA, subject starter
		2			talled, CW Tem 5896-12 Part I inspection and test
	proces	lures,	Perfor	med co	upression best IAW M84-15, #1-72, #2=3, #3-76,
				12	. CW SB95-7 Manfold valve cover impertion.
	A.				- + maintenance of engine control calles & linkage.
		100		1	pection see chieflist form this date for details.
		0.000	- v -		ck good. The Apr 2835991
1 Aproz 6041 TIS				3	ine has been inspected it a look inspection and
	was	date.	mired	to be	on airwatty condition. The Man ASP 2635991-
					certify that this aircraft/Engine has been Inspected
					n accordance With an annual inspection and has been
					Determined to be in airworthy Condition  A.E. Brillaud IA 1191065
				T T	T. 69 Date 4 4 02
				- (	Hezzas
				\	H3 Bowling
16 JUN 02 269					expected and cleaned vilsaneen, serviced with light
			100		on a / leack check good. Though ASP 2635991
19 AUG-02 2711,0					ection notales P/N 655234-212E + 655234-513MA
A Company					655234 - 213AA + 653234-5120 in cylinders 2 d5 respectively
- Alleria			18		ration order \$7229 dated 9 Aug 02 Thurston AHP 2635991 -
5 Sep 02 2719,5					ected and cleared oil screen, serviced with 11 gt. Acostell
J. S. A.	100 W	- Gov	d run,	/ leark	check good Thosph ASP 2635991
Costil i					

Date	Total	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		-			The same data of the Sandano
190ec 02 2737.6	Hobbs.	. Drain	doll	1-5020	ed and eleaned oil screen, serviced with light Aposhell
	wisw				k check good. Show 1 hom NA 2635991 -
41103	1 Apr 2 qt Aero injection procedu SB95-7 and linh action is	oshell Won nozzle ures. Pe manifo kage. C	753.4 Ho 15W50. es. Chec rformed ld valve W SID96 . I certif	Removed ked L&R compress cover insp 6-6 and S y that this	8 hrs TIS. Drained oil, inspected and cleaned oil screen, serviced with 11 d, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel mag timing IAW MSB94-8A. CW SB96-12 Part I inspection and test ion test IAW M84-15, #1-72, #2-70, #3-73, #4-73, #5-73, #6-71. CW pection. CW SB95-2 Inspection and maintenance of engine control cables B643. CW CSB02-8 and CSB 664, subject parts not installed, no further engine has been inspected IAW a 100 hr inspection and has been condition.
				A MARK SAN	
	-2	17.10	3 I ce	rtify tha	t this aircraft has been inspection in accordance
			Cor	n an anr Idition	nual inspection & has been found to be in airworthy
			04/0	01/03 T	TA/C Tach 2753:4 TT 2753:4 d IA 1191065
1354203 2775.1	Hubbs	D.co.io	1 615	aucte	I and cleaned oil screen, serviced with 11gt Avorhell
		50. Gr	und ru	/lenk	cleck good - Thoughow AND 2635891
24N0003 2748.5					I and cleaned oil screen serviced with 11gt Azarhell
					K check good About Ast 2685991
re SI IA C'	installed 396-12, XW M84 W SB95 00 hr ma	I spark p Continu I-15, #1- -2 Inspe gneto in	ed Airwo 70, #2-7- ection and spections	eaned fue orthiness 4, #3-76, d mainten s. I certif	Part I inspection nozzles. Checked L&R mag timing IAW MSB94-8A. CW Part I inspection and test procedures. Performed compression test #4-70, #5-72, #6-71. CW SB95-7 manifold valve cover inspection. For the time of engine control cables and linkage. CW SID96-6 and SB643 For that this engine has been inspected IAW a 100 hr inspection and has been condition.  The Humes A&P 2635991
					7.7 hrs TIS Left Engine
					spected in accordance with an annual inspection & has been found to aud IA 1191065
	A	2	73	9	
7 May 04 28 15.9	Hobbs.	Oraine	d oil	iniped	ed and cleaned oil screen, serviced with light Aeroshell
					ak check and good . Then them ANY 2635991
oi	Oct 200 l screen.	4, 2840 Installe	0.4 Hobb ed SAF-A	s, 232.8 AIR oil qu	hrs TIS Left Engine. Drained oil, inspected, cleaned, and reinstalled mick drain, P/N S6250. Serviced with 11 qt Aeroshell W15W50.  T. Humes A&P 2635991

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		
Brought Forward		<b>→</b>					
180cto4. 2847.7	Hobbs.	Repla	cod #	5 cylo	der lower spark plug with new Champion P/N RHB32E.		
	The	1 km	AJP 2	No. 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
29	Nov 20 qt Aero	04, 28 shell W	61.6 Hob 15W50.	bs. Drai Performe	ined oil, inspected, cleaned, and reinstalled oil screen. Serviced with ed ground run/leak check. T. Humes A&P 2635991		
reinstal SB96- boresca 73, #6- valve of CW SI CSB66 airbox determ 04/27// I certif	lled sparl 12, Conti ppe inspe 73, mast over insp D96-6, S 55A N/A. crack. I ined to b	k plugs. inued A ection I/ er orific pection. BB653, a , subject certify ee in an C Hobb is engine	Cleaned inworthin AW SB03 ce reading CW SB0 and SB64 to magneto that this eairworthy os 2884.1 ce has been	fuel injects Part I 6-3 & SII 6-3 & SII 6-3 & SII 6-3 & SII 7-3 B 100 h 7-3 B 100 h 8-5 & capa 8-7 condition 7-3 Condition 8-7 Condition 9-7 C	TIS Left Engine. Removed, cleaned, gapped, rotated, and ection nozzles. Checked L&R mag timing IAW MSB94-8A. CW inspection and test procedures. Performed compression test and D 97-2B. Compression readings #1-74, #2-63, #3-73, #4-56, #5-rescope inspection showed normal wear. CW SB95-7 manifold pection and maintenance of engine control cables and linkage. In ignition system inspections & maintenance. CSB04-05A & actions not installed. Fabricated & installed doubler to repair is been inspected IAW a 100 hr inspection and has been on. T. Humes A&P 2635991		
11 15 Ju IAW #6-72 exhau gaske	n 2005 SB03-3 2, master est valvet P/N F	shell Williams, 2903 3 & SI er orifice in pl RG534 th 11 q	3.6 Hob D 97-2H ce readi ace IAV 857. Di	Performe bs. Pe 3. Com ng 45. V TCM rained on	ed oil, inspected, cleaned, and reinstalled oil screen. Serviced with d ground run/leak check. T. Humes A&P 2635991  rformed compression test and borescope inspection appression readings #1-75, #2-61, #3-70, #4-60, #5-75, Borescope inspection showed normal wear. Lapped #4 technical support guidance. Installed new rocker cover poil, inspected, cleaned, and reinstalled oil screen.  5W50. Performed ground run/leak check.		
IAW #6-7 clear reins	SB03- 3, mast ned, gar talled o	3 & Sler orification of the second se	D 97-21 ce read otated, a en. Ser	B. Coning 45. and rein wiced w	rformed compression test and borescope inspection appression readings #1-72, #2-65, #3-70, #4-56, #5-75, Borescope inspection showed normal wear. Removed, astalled spark plugs. Drained oil, inspected, cleaned, and with 11 qt Aeroshell W15W50. Performed ground 2635991		

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		-			Wednesday and Service Buildays
13 Nov	2005,	2952	.6 Hob	bs. Re	placed lower spark plug in #4 cylinder with new
Champ	ion RI	HB32E	. T. Hu	mes A	&P 2635991 Mush
10, 80, 10, 10, 10, 10	702519 369 PU.S	O DATA KATO			
					rained oil, inspected, cleaned, and reinstalled oil screen.
				Shell W	15W50. Performed ground run/leak check.
1.110	iics A	X1 202	,3,7,1	111-1	
					<del>-</del>
_					
– 25 Mar	2006,	2968.	1 Hobbs	s. Rem	noved #4 cylinder and piston for inspection and repair
<ul><li>by Moor</li></ul>	re Perf	ormano	ce Prod	ucts, CI	RS#DN6R6909N under W/O #5998 dated 16 Mar ——
2006. I	Repair	include	ed new	exhaust	valve and guide, rework of intake valve and intake
and exh	aust va	lve sea	ts, and	new pis	ston rings. Reinstalled piston and cylinder assembly
IAW Ba	ron Sh	ор Ма	nual, IC	)-550 S	andcast Series Overhaul Manual, and applicable
<ul> <li>TCM se</li> </ul>	rvice b	ulletin	s. Dra	ined oil	, inspected, cleaned, and reinstalled oil screen.
_ Serviced	l with	11 at A	eroshel	1 100 N	Mineral Oil. Performed ground run tests IAW TCM
SB M89	-7R1.	Test F	light re	auired l	AW TCM SB M89-7R1. T. Humes A&P 2635991
				5 <b>1</b> 31 (32) (1030) (3	I from por
		1			
27 Mar 2	006,	2969.7	Hobbs.	Test f	light for left engine #4 cylinder accomplished IAW
TCM SB	M89-7	7R1. N	lo discr	epancie	es noted. T. Humes A&P 2635991
					Jan 19
1 May 2	2006	2977.9	Hobbs	. 370.3	hrs TIS Left Engine. Removed, cleaned, gapped.
					hrs TIS Left Engine. Removed, cleaned, gapped, Cleaned fuel injection nozzles. Checked L&R mag
rotated,	and re	installe	ed spark	plugs.	Cleaned fuel injection nozzles. Checked L&R mag
rotated, timing I	and re	installe ISB94-	ed spark 8A. C	plugs. W SB96	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and
rotated, timing I test proc	and re AW M	installe ISB94- s. Perf	ed spark 8A. C' ormed o	plugs. W SB96 compres	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and ssion test and borescope inspection IAW SB03-3 &
rotated, timing I test proc SID 97-	and re AW M cedures 2B. C	installe ISB94- s. Perf ompres	ed spark 8A. C' ormed of ssion re	plugs. W SB96 compres	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and ssion test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master
rotated, timing I test proc SID 97- orifice r	and re AW M cedures 2B. C reading	installe ISB94- s. Perf ompres 3 45. B	ed spark 8A. C' formed of ssion re forescop	plugs. W SB96 compresadings be inspe	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and ssion test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold
rotated, timing I test proc SID 97- orifice r	AW Moderate AW Mod	installe ISB94- s. Perf ompres 45. B spectio	ed spark 8A. C'ormed of ssion re forescop in. CW	x plugs. W SB96 compress adings be inspected and SB95-2	Cleaned fuel injection nozzles. Checked L&R mag 6-12, Continued Airworthiness Part I inspection and ession test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold 2 Inspection and maintenance of engine control cables
rotated, timing I test proc SID 97- orifice r valve co	AW Moderate AW Mod	installe ISB94- s. Perf ompres 45. B spectio	ed spark 8A. C' formed of ssion re forescop in. CW D96-6, S	w SB96 compression adings be inspective SB95-2 SB653,	Cleaned fuel injection nozzles. Checked L&R mag 6-12, Continued Airworthiness Part I inspection and ession test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold 2 Inspection and maintenance of engine control cables and SB643B 100 hr ignition system inspections &
rotated, timing I test proc SID 97- orifice r valve co and link mainten	and re AW Modedures 2B. Creading over instage. Canada.	installe ISB94- s. Perf ompres 45. B spectio CW SII Installe	ed spark 8A. C'ormed of ssion rescopen. CW 096-6, Sed new	w SB96 compresadings be inspective SB95-2 SB653, induction	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and ession test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold 2 Inspection and maintenance of engine control cables and SB643B 100 hr ignition system inspections & on air filter, P/N P12-8219. Installed new alternator
rotated, timing I test proc SID 97- orifice r valve co and link mainten belt, TO	and re AW Model Care Care Care Care Care Care Care Care	installed ISB94- s. Performers g 45. B spection CW SII Installed I 53954	ed spark 8A. C'ormed of ssion re- sorescop on. CW D96-6, Sed new 47-31.1	w SB96 compresadings be inspective SB95-2 SB653, induction	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and ssion test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold 2 Inspection and maintenance of engine control cables and SB643B 100 hr ignition system inspections & on air filter, P/N P12-8219. Installed new alternator ned oil, inspected, cleaned, and reinstalled oil screen.
rotated, timing I test proc SID 97- orifice r valve co and link mainten belt, TO	and re AW Mocedures 2B. Creading over instage. Chance.	installe ISB94- s. Perf ompres 45. B spectio CW SII Installe I 53954	ed spark 8A. C'ormed of ssion rescopen. CW 096-6, Sed new 47-31.1	w SB96 compress adings be inspective SB95-2 SB653, induction 9. Drain	Cleaned fuel injection nozzles. Checked L&R mag 6-12, Continued Airworthiness Part I inspection and ession test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold 2 Inspection and maintenance of engine control cables and SB643B 100 hr ignition system inspections & on air filter, P/N P12-8219. Installed new alternator ned oil, inspected, cleaned, and reinstalled oil screen. W50. Performed ground run/leak check. I certify that
rotated, timing I test proc SID 97- orifice r valve co and link mainten belt, TO Serviced this eng	and re AW Mocedures 2B. Coreading over increase. Coreance. CM P/Nd with ine has	installed ISB94- s. Performers (45. Bespection CW SII Installed I 53954 11 qt Aes been	ed spark 8A. C'ormed of ssion re- sorescop on. CW D96-6, Sed new 47-31.1 Aeroshe inspector	w SB96 compres adings be inspe SB95-2 SB653, induction 9. Drai Il W157 ed IAW	Cleaned fuel injection nozzles. Checked L&R mag 5-12, Continued Airworthiness Part I inspection and ssion test and borescope inspection IAW SB03-3 & #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master ection showed normal wear. CW SB95-7 manifold 2 Inspection and maintenance of engine control cables and SB643B 100 hr ignition system inspections & on air filter, P/N P12-8219. Installed new alternator ned oil, inspected, cleaned, and reinstalled oil screen.

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		
ought Forward	,	-					
05/1/06	гта/с	Hobb	s 2977	9 370	3 hrs TIS Left Engine		
I certify t	hat thi	s engir	ne has b	een ins	pected in accordance with an annual inspection &		
has been	found	to be in	n airwo	rthy cor	ndition. A.E.Brillaud IA 1191065		
NS	4		0 0				
	1						
. V							
					ned oil, inspected, cleaned, and reinstalled oil screen.		
- Serviced					5W50. Performed ground run/leak check.		
- 1. Fluin	es Acc	F 2033	1991/	yn-sys			
				1			
11 Oct (	0006	2027 (	Hobbs	. Drai	ned oil, inspected, cleaned, and reinstalled oil screen.		
Services	with	11 at	Aerosh	ell W15	5W50. Performed ground run/leak check.		
T. Hum	es A&	P 2635	991	how the	<u> </u>		
1.114111	CB 7 ICC		//				
			1				
- 2 Δpr 2	007	16 9 H	lobbs 4	439.3 hı	rs TIS Left Engine. Removed, cleaned, gapped,		
rotated	and re	einstall	ed spar	k plugs.	Cleaned fuel injection nozzles. Adjusted alternator		
belt ten	sion.	Checke	ed L&R	mag ti	ming IAW MSB94-8A. CW SB96-12, Continued		
<ul> <li>Airwor</li> </ul>	thiness	s Part I	inspect	tion and	test procedures. Performed compression test and —		
boresco	pe ins	pection	1 IAW	SB03-3	& SID 97-2B. Compression readings #1-73, #2-53,		
#3-69.	#4-75,	#5-75.	#6-73,	master	orifice reading 45. Borescope inspection showed		
normal	wear.	CW S	B95-7	manifol	d valve cover inspection. CW SB95-2 Inspection and		
- mainter	nance	of engi	ne cont	rol cabl	es and linkage. CW SID96-6, SB653, and SB643B		
100 hr	ignitio	n syste	m insp	ections	& maintenance. Drained oil, inspected, cleaned, and		
_ reinstal	led oil	screer	ı. Servi	iced wit	h 11 qt Exxon Elite 20W-50. Performed ground		
run/lea	k chec	k. I ce	rtify th	at this e	ngine has been inspected IAW a 100 hr inspection and		
has bee	n dete	rminec	l to be i	n an air	worthy condition. T. Humes A&P 2635991		
( P)	2	1			1 Man 14		
- (4) <	=	13.	-	0			
04/02/0	17 TT	A/C 30	046 9 E	Johns 1	6.9, 439.3 hrs TIS Left Engine		
- L certif	v that	this en	gine has	s been in	nspected in accordance with an annual inspection &		
- has bee	en four	id to be	e in airv	worthy o	condition. A.E.Brillaud IA 1191065		
11.15	1						
-57							

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		-				
	ľ					
and r	einstal capaci	led oil tor cla	screen. mp with	Servic n new P	.9 hrs TIS Left Engine. Drained oil, inspected, cleaned, ed with 11 qt Exxon Elite 20W-50. Replaced alternator /N AN742-D12. Installed new alternator cooling tube.	
Perfo	rmed g	ground	run/lea	k check	T. Humes A&P 2635991 / humsthan	
— 9 Dec	07, 65	.5 Hol	bs, 487	7.9 hrs 7	TIS Left Engine. Performed compression test and	
boresc	ope ins	pection	ı IAW	SB03-3	. Compression readings #1-69, #2-40, #3-68, #4-70 —	
#5-70,	#6-71,	with #	2 cylin	der exh	ibiting exhaust valve leakage. Master orifice reading	
45. Bo	rescop	e inspe	ection s	howed 1	normal wear. Performed aircraft flight and retest of #2	
- cylinde	er com	pressio	n IAW	SB03-3	Table 1. Removed #2 cylinder and piston for	
inspect	ion and	d repai	r by Mo	ore Per	formance Products, CRS #DN6R6909N under W/O	
#6279	dated 3	30 Nov	2007.	Repair	included exhaust valve and guide replacement, rework	
of exh	aust va	lve sea	t, and n	ew nist	on rings. Reinstalled piston and cylinder assembly	
- IAW B	aron S	hop M	anual I	O-550	Sandcast Series Overhaul Manual, and applicable	
— TCM s	ervice	bulleti	ns Dr	ained oi	il, inspected, cleaned, and reinstalled oil screen.	
Service	ed with	11 at	Aerosh	all 100 l	Mineral Oil. Performed ground run tests IAW TCM —	
SR M8	0_7R1	Test	Flight r	aguired	IAW TCM SP M90 7P1 T Harmond & P 2627001	
	)-/ICI	. I CSt	r ngin i	equired	IAW TCM SB M89-7R1. T. Humes A&P 2635991	
					The street	
		2300				
10 Dec	2007,	66.5	Hobbs,	488.9 T	IS Left Engine. Test flight for left engine #2 cylinder	
repair	accomp	plished	IAWI	CM SE	3 M89-7R1. No discrepancies noted.	
T. Hur	nes A&	èР 263	5991	Shows!	han	
rein	stalled	oil scr	een. Se	erviced	hrs TIS Left Engine. Drained oil, inspected, cleaned, and with 11 qt Exxon Elite 20W-50. Performed ground	
run	reak ci	neck.	i. Hum	es A&P	2635991 Austhan	
4						
0.34	2000	07.0	11.11	500.01	TIGILORE	
					rs TIS Left Engine. Removed, cleaned, gapped, rotated, and	
					nree plugs with new Champion P/N RHB32Es. Cleaned fuel	
					ag timing IAW MSB94-8C. CW SB96-12, Continued —	
					test procedures. Performed compression test and borescope	
					2B. Compression readings #1-75, #2-71, #3-72, #4-68, #5-	
					Borescope inspection showed normal wear. CW SB95-7	
					W SB95-2 Inspection and maintenance of engine control SB653, and SB643B 100 hr ignition system inspections &	
					n system adjustment IAW SID97-3D. Drained oil, inspected,	
					Serviced with 11 qt Exxon Elite 20W-50. Performed ground —	
					ngine has been inspected IAW a 100 hr inspection and has	
					hy condition. T. Humes A&P 2635991	
DECH	UCLCITI	IIICU IU	UC III all	allwin	IIV CONDITION. 1. HUMES ACCE 2011991	

Date Total Time		Time	e Time Since Last Overhaul		Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
ught Forward		<b>→</b>	0.0		A A A
I certify t	hat this	engine	has been condition	n inspec	20.2 hrs TIS Left Engine ted in accordance with an annual inspection & has been Brillaud IA 191065
					E. T. Humes A&P 2635991
e =					
30 Oct 2 and reins run/leak	stalled	oil scr	een. Se	rviced v	s TIS Left Engine. Drained oil, inspected, cleaned, with 11 qt Exxon Elite 20W-50. Performed ground
and reinsta fuel injecti Airworthin inspection 71, #6-68, manifold v cables and maintenand applicable Drained oil 50. Perform	Illed spa on nozziess Par IAW S master alve co linkage ce. Ver to this of l, insper med gro	ark plug zles. C et I insp B03-3 o orifice ver insp e. CW rified fu engine, cted, cl ound ru	gs. Replayed the section are section. SID 96-6 and inject section, are lineared, are n/leak cl	aced two L&R mand test p. 7-2B. C 45. Bor CW SB , SB653 ion systematical reinstance. I constituted	CIS Left Engine. Removed, cleaned, gapped, rotated, o plugs with new Champion P/N RHB32Es. Cleaned g timing IAW MSB94-8C. CW SB96-12, Continued rocedures. Performed compression test and borescope compression readings #1-69, #2-61, #3-73, #4-61, #5-rescope inspection showed normal wear. CW SB95-7 195-2 Inspection and maintenance of engine control and sB643B 100 hr ignition system inspections & remadjustment IAW SID97-3E. MSB 09-1A not is not installed. Adjusted alternator belt tension. Italled oil screen. Serviced with 11 qt Exxon Elite 20W-certify that this engine has been inspected IAW a 100 hr in an airworthy condition. T. Humes A&P 2635991
I certify that	at this e	engine l	nas been	inspecte	67.0 hrs TIS Left Engine ed in accordance with an annual inspection & has been Brillaud IA 1194065
installed A	irwolf	Filter (	Corp oil	filter kit	IS Left Engine. Removed oil screen, P/N 538727, and P/N AFC-K008 IAW STC #SA00079NY. See FAA  A&P 2635991

Hrs. Min. Hrs. Min. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  26 Jan 2010, 197.9 Hobbs. 620.3 hrs TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  27 Jun 2010, 197.9 Hobbs. 620.3 hrs TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  17 Jun 2010, 210.9 Hobbs. 633.30 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced one plug with new Champion P/N RFIB32E. Cleaned fitel injection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12. Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12. Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection and magnetic reading stall inspection for the service of the	Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
15 Sep 2009, 168.0 Hobbs. 590.4 hrs TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991.  26 Jan 2010, 197.9 Hobbs. 620.3 hrs TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991.  17 Jun 2010, 210.9 Hobbs. 633.30 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine, subject tylinders not installed. AD 2010-11-14 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine, subject tylinders not installed. AD 2010-11-14 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine, subj		Hrs. Min.			DARKED FOR	Installations, Inspections, Airworthiness Directives, Special Inspections Modifications and Service Bulletins
inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  26 Jan 2010, 197.9 Hobbs. 620.3 hrs TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  17 Jun 2010, 210.9 Hobbs. 633.30 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject magnetos not installed. AD 2009-16-03 and 2009-19-07 not applicable to this engine, subject magnetos not installed. AD 2010-11-14 not applicable to this engine by date of manufacture. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991  22 Oct 2010, 240.9 Hobbs. 687.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (PN 10-349350-4, S/N L080004F) & right (P	ought Forward		>			
26 Jan 2010, 197.9 Hobbs. 620.3 hrs TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  17 Jun 2010, 210.9 Hobbs. 633.30 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection nozzles. Checked L&R mag timig IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection 1AW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject magnetos not installed. AD 2009-16-03 and 2009-19-07 not applicable to this engine, subject cylinders not installed. AD 2009-11-14 not applicable to this engine, subject cylinders not installed. AD 2009-11-14 not applicable to this engine by date of manufacture. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991  5 Apr 2011, 264.9 Hobbs. 687.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-6, #4-67, #3-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1,	inspected	l filter r	nedia.	Installe	d new C	hampion P/N 48109 filter and serviced engine with 11 qt
inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt  Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991  17 Jun 2010, 210.9 Hobbs. 633.30 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection norzeles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject magnetos not installed. AD 2009-16-03 and 2009-19-07 not applicable to this engine, subject magnetos not installed. AD 2010-11-14 not applicable to this engine by date of manufacture. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991  22 Oct 2010, 240.9 Hobbs. 663.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, 8/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991  22 Apr 2011, 265.6 Hobbs, 688.						North
and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject magnetos not installed. AD 2009-16-03 and 2009-19-07 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine by date of manufacture. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991  22 Oct 2010, 240.9 Hobbs. 687.3 hrs TIS Left Engine. Replaced #5 cylinder lower spark plug with new Champion P/N RHB32E. T. Humes A&P 2635991  5 Apr 2011, 264.9 Hobbs. 687.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991  22 Apr 2011, 265.6 Hobbs, 688.0 TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new P/N AA48109 filter and se	inspect	ed filter	media	. Install	ed new	Champion P/N 48109 filter and serviced engine with 11 gt
and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject magnetos not installed. AD 2009-16-03 and 2009-19-07 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine by date of manufacture. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991  22 Oct 2010, 240.9 Hobbs. 683.3 hrs TIS Left Engine. Replaced #5 cylinder lower spark plug with new Champion P/N RHB32E. T. Humes A&P 2635991  5 Apr 2011, 264.9 Hobbs. 687.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L08004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991  22 Apr 2011, 265.6 Hobbs, 688.0 TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new P/N AA48109 filter and ser				-		
with new Champion P/N RHB32E. T. Humes A&P 2635991  5 Apr 2011, 264.9 Hobbs. 687.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991  22 Apr 2011, 265.6 Hobbs, 688.0 TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-	injection Airworth inspection 74, #6-68 manifold cables ar maintena seals IAV engine, s engine, s manufact	nozzleniness Pon IAW 8, mastell valve on d linka ance. V W SB09 subject of subject of ture. I of	s. Checart I in SB03-er orificates. CV erified 9-7, no magnet cylinde certify	cked L& spection 3 & SID ce readir aspection W SID 96 fuel injuleaks obox not ir rs not in that this	and tess 97-2B. 1945. Ben. CW: 6-6, SB6 ection sy eserved, estalled. engine	timing IAW MSB94-8D. CW SB96-12, Continued t procedures. Performed compression test and borescope Compression readings #1-72, #2-70, #3-68, #4-67, #5- Borescope inspection showed normal wear. CW SB95-7 SB95-2 Inspection and maintenance of engine control 53, and SB643B 100 hr ignition system inspections & ystem adjustment IAW SID97-3E. Inspected push rod tube no further action required. CSB668 not applicable to this AD 2009-16-03 and 2009-19-07 not applicable to this AD 2010-11-14 not applicable to this engine by date of has been inspected IAW a 100 hr inspection and has been
with new Champion P/N RHB32E. T. Humes A&P 2635991  5 Apr 2011, 264.9 Hobbs. 687.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991  22 Apr 2011, 265.6 Hobbs, 688.0 TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-						
reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991	22 Oct 20 with new	)10, 2 <sup>2</sup> Champ	40.9 Ho pion P/N	obbs. 66 N RHB3	3.3 hrs 2E. T. l	TIS Left Engine. Replaced #5 cylinder lower spark plug Humes A&P 2635991
reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991				- 1	1000	
22 Apr 2011, 265.6 Hobbs, 688.0 TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-	reinstalled SID 97-2B reading 45.	spark p . Comp . Bores ) & righ	lugs. Foression scope in at (P/N	Performen reading spection 10-3493	ed compage #1-7 gs #1-7 n showed 50-5, S/ ljusted c	ression test and borescope inspection IAW SB03-3 &
	IAW TCM				ing IAW	MSB 94-8C. T. Humes A&P 2635991

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
Brought Forward		<b>→</b>	70		
S/N L0800	004F), 1 2584 L	eplace AW TC	d capacit M Manu	or with 1al X420	eft Engine. Removed left magneto (P/N 10-349350-4, new P/N ES10-349276 and contact assembly with new 001-1. Reinstalled magneto and set timing IAW MSB
MSB94-8I Performed readings # inspection Inspection SB643B 10 adjustment MS21919- supporting	comprediction of the compredic	SB96- ession to 2-70, # I normal intensistantion to SID97- clamp see and m n and h	12, Cont test and last and las	inued A porescop -70, #5- CW SB gine con aspectio ected cr g cranke ontrol ca determine	S Left Engine. Checked L&R mag timing IAW irworthiness Part I inspection and test procedures. See inspection IAW SB03-3 & SID 97-2B. Compression 1-73, #6-73, master orifice reading 45. Borescope 1-95-7 manifold valve cover inspection. CW SB95-2 metrol cables and linkage. CW SID96-6, SB653, and 1-195 maintenance. Verified fuel injection system 1-195 maintenance. Verified fuel injection system 1-195 maintenance and 2 MS21919-WDG4 clamps 1-195 maintenance and 2
Date: 9					ANE has been
					n airworthy condition
and approv					all worthy condition
Total Time	-			. /	11
NAME:					279275 14
SIGNATUŘ		AING	<u> </u>	nae	278275 IA
filter n	nedia.	Installe	ed new C	hampio	IS Left Engine. Drained oil, removed oil filter and inspected in P/N 48109 filter and serviced engine with 11 qt Exxon in/leak check. T. Humes A&P 2635991
20 ov	Dec 20 erhaule	011, 31 ed unit	9.1 Hob P/N 6432	bs. 741 259A18	.5 hrs TIS Left Engine. Replaced starter adapter with S/N 10-403. T. Humes A&P 2635991

Date	Total	Time		Since Overhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward		<b>→</b>			- Medimediano dila con noo bandino
2 new C  11 May boresco #5-70, #	2012, 3 pe insp	on P/N I 41.0 H bection master	obbs. 76 IAW S	Es. T. H 63.4 hrs SB03-3. reading	TIS Left Engine . Replaced spark plugs in #6 cylinder with fumes A&P 2635991  TIS Left Engine. Performed compression test and Compression readings #1-66, #2-60, #3-60, #4-68, g 45. Borescope inspection showed normal wear. Deceted filter media. Installed new Champion P/N 48109
filter and	d servic stalled s	ed engi spark p	ne with lugs, rep	11 qt Ex blacing 6	exxon Elite 20W-50. Removed, cleaned, gapped, rotated, with new Champion P/N RHB32Es. Performed ground
				T	
proceds Compre Boresc SB95-2 and SB adjustn Manufa inspect	ures. Pression rope inspections 12 Inspection 1443B 1 Inent IA actured actured IAW	erformereadings pection and on hr ig W SID and ins	ed comp s #1-69 showed d maint gnition s 97-3E. Italled do hr inspe	ression of the state of the sta	12, Continued Airworthiness Part I inspection and test test and borescope inspection IAW SB03-3 & SID 97-2B.  #3-61, #4-70, #5-66, #6-74, master orifice reading 47.  wear. CW SB95-7 manifold valve cover inspection. CW of engine control cables and linkage. CW SID96-6, SB653, magnetions & maintenance. Verified fuel injection system of crankshaft IAW SB09-14, no corrosion found.  To repair left rear baffle. I certify that this engine has been and has been determined to be in an airworthy condition.
Data	0/24/	10	l cortifu i	thio –	has been
					tonual
					in an airworthy condition
			ırn to se	ervice.	
Total 1	Time:	784.8		Tach:	
NAME	: <u>M.</u>	J. GRA	<u>INGER</u>	A	&P <u>1278275 IA</u>
SIGNA	ATURE.	M	1.1	Jaca	ny
			-	- * ×	

Date	Total Time		Time Last O	Since verhaul	Engine Service and Mainten	
	Hrs.	Min.	Hrs.	Min.	Min. Installations, Inspections, Airworthiness Directives, Sp Modifications and Service Bulletins	s, Special Inspections,
Brought Forward		<b>-</b>				
inspection 70, #6-73 cleaned, g URHB32	n IAW; , maste gapped, E. Dra 9 filter	SB03-3 r orifice rotated ined oil and ser	& SID 9 e reading I, and rei I, remove viced en	97-2B. g 47. Bo nstalled ed oil fil gine wit	eft Engine. Performed compression test and be Compression readings #1-70, #2-59, #3-55, #4 prescope inspection showed normal wear. Remark plugs, replacing one with new Tempest ter and inspected filter media. Installed new Country that I get Exxon Elite 20W-50. Performed grounds	4-67, #5- noved, P/N ————————————————————————————————————
					eft Engine. Replaced #5 cylinder bottom spark A&P 2635991 // h., #	plug with
646508-15A	13, S/N	C00LA	4001, an	d reinsta	Engine. Removed fuel manifold valve assemblated after overhaul by D&G Supply, #NK2R03 mes A&P 2635991	
after overham Mar 2013. adjustment CW SB96- compression #1-66, #2-5 showed nor maintenance ignition sys found. I ce	Adjust Adjust IAW S 12, Conn test a 19, #3-6 mal we be of engineering	netering ed idle ID97-3 ntinued nd bore 0, #4-6 ear. CW gine cor spection at this e	g valve by mixture E. Chec Airworth escope in 5, #5-69 V SB95-7 ntrol cab as & maingine ha	y D&G and spec cked Le niness P spection , #6-69, 7 manifoles and ntenances been i	S Left Engine. Removed throttle assembly; reis Supply, RS #NK2R034L under w/o #27933 dated. Verified throttle operation and fuel injection fit and adjusted Right mag timing IAW MSB94 art I inspection and test procedures. Performed IAW SB03-3 & SID 97-2B. Compression reamaster orifice reading 47. Borescope inspectioned valve cover inspection. CW SB95-2 Inspectional CW SID96-6, SB653, and SB643B 10 e. Inspected crankshaft IAW SB09-14, no corn inspected IAW a 100 hr inspection and has been in T. Humes A&P 2635991	ated 25 n system -8D. d adings on etion and 00 hr rosion
					ertify this <u>Engine</u> has been —— e with a <u>Annual</u>	
		-			ermined to be in an airworthy condition	
					n to service.	
		•	ā -		Tach:	
	81	NAME:	M. J.	GRAIN	GERA&P <u>1278275 IA</u>	
		SIGNA	TURE:	M-)	Jany =	

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		
Frought Forward		-			Modifications and Service Bulletins		
	,				TIS Left Engine. Performed compression test and		
					SID 97-2B. Compression readings #1-68, #2-60, #3-58,		
					ading 47. Borescope inspection showed normal wear.		
Remov D/N I II	eu, ciea	med, ga	ippeu, ro	iaieu, ai	nd reinstalled spark plugs, replacing one with new Tempest I oil filter and inspected filter media. Installed new		
					ed engine with 11 qt Exxon Elite 20W-50. Performed		
The second secon					EP 2635991		
ground	i i uni/ iou	K CHCCI	. I.IIu	illes i la	1 2000 Aller		
9 Dec 2	013, 46	58.7 Ho	bbs. 349	98.7 hrs	TIS Left Engine. Replaced #1 cylinder lower spark plug		
— with ne	w Temp	est P/N	URHB3	32E. T.	Humes A&P 2635991 They 4-		
	-						
					s TIS Left Engine. Checked mag timing IAW MSB94-8D.		
					ess Part I inspection and test procedures. Performed		
T					ction IAW SB03-3 & SID 97-2B. Lapped cylinder #3		
					ve seating. Compression readings now #1-66, #2-55, #3-67,		
					ading 46. Borescope inspection showed normal wear. CW		
				•	ion. CW SB95-2 Inspection and maintenance of engine		
					6-6, SB653, and SB643B 100 hr ignition system		
					fuel injection system operation IAW SID97-3F. Inspected on found. AD 2014-05-29 not applicable to this engine,		
					led. Removed, cleaned, gapped, rotated, and reinstalled		
					mpest P/N URHB32E and 2 with new Champion P/N		
					lter and inspected filter media. Installed new Tempest P/N		
					vith 11 qt Exxon Elite 20W-50. Performed ground run/leak		
					een inspected IAW a 100 hr inspection and has been		
					dition. T. Humes A&P 2635991 (for short )		
04/01/3	014 T	ΓΔ/C 3	5172 H	obbs 48	7.2, 909.6 hrs TIS Left Engine		
L certify	that th	is enoir	ne has be	en insp	ected in accordance with an annual inspection & has been		
found t	o be in a	airwort	hy condi	tion. A	E.Brillaud IA 1191065		
					4212		
	ay 2014	, 489.0	Hobbs.	911.4 h	rs TIS Left Engine. Lapped cylinder #5 exhaust valve in		
01 Ma					ars TIS Left Engine. Lapped cylinder #5 exhaust valve in prrect high EGT readings. After lapping #5 compression		
01 Maplace	to impro	ove val 74, ma	ve seatin ster orifi	g and co			
01 Maplace	to impro	ove val 74, ma	ve seatin	g and co	orrect high EGT readings. After lapping #5 compression		
01 Maplace	to impro	ove val 74, ma	ve seatin ster orifi	g and co	orrect high EGT readings. After lapping #5 compression		
01 Ma place readir condi	to improngs now tion. T.	ove val 74, ma Humes	ve seatin ster orifi s A&P 20	g and co ce readi 635991	orrect high EGT readings. After lapping #5 compression mg 46. Borescope inspection showed normal valve		
01 Maplace reading condi	to improgram to improgram to the following to the followi	74, ma Humes	ve seatin ster orifi s A&P 20 Hobbs.	g and co ce readi 635991 953.2 h	orrect high EGT readings. After lapping #5 compression mg 46. Borescope inspection showed normal valve  are TIS Left Engine. Performed compression test and		
01 Maplace readir condi	to improper now to improve the core instance of the	74, ma Humes , 530.8	ve seatin ster orifi s A&P 20 Hobbs.	g and co ce readi 635991 953.2 h B03-3 &	rs TIS Left Engine. Performed compression test and a SID 97-2B. Compression readings #1-69, #2-54, #3-50,		
01 Ma place readir condi	to improngs now tion. T.  ov 2014, cope ins	74, ma Humes , 530.8 spection , #6-73.	ve seatin ster orifi s A&P 20 Hobbs. n IAW Si master o	g and co ce readi 635991 953.2 h B03-3 & orifice r	rs TIS Left Engine. Performed compression test and SID 97-2B. Compression readings #1-69, #2-54, #3-50, eading 46. Borescope inspection showed normal wear.		
01 Maplace readir condi	to improper to improper to improper to the cope instance, #5-75, byed, cle	74, ma 74, ma Humes , 530.8 spection , #6-73, eaned, g	ve seatin ster orifi s A&P 20 Hobbs. n IAW Si , master o	g and coce reading and coce reading as so that the coce of the coc	rs TIS Left Engine. Performed compression test and SID 97-2B. Compression readings #1-69, #2-54, #3-50, eading 46. Borescope inspection showed normal wear.  and reinstalled spark plugs, replacing 3 with new Tempest		
01 Maplace readir condi	to improper to improper to improper to the cope instance, #5-75, byed, cle	74, ma 74, ma Humes , 530.8 spection , #6-73, eaned, g	ve seatin ster orifi s A&P 20 Hobbs. n IAW Si , master o	g and coce reading and coce reading as so that the coce of the coc	rs TIS Left Engine. Performed compression test and SID 97-2B. Compression readings #1-69, #2-54, #3-50, eading 46. Borescope inspection showed normal wear.		

Date	lotai	I Time		Since verhaul	Engine Service and Maintenance Record	
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspecti Modifications and Service Bulletins	
ought Forward		<b>→</b>			Sand Service Beneative	
mspecied	i illiter n	negia.	Installed	new le	TIS Left Engine. Drained oil, removed oil filter and impest P/N AA48109 filter and serviced engine with 11 qt in run/leak check. T. Humes A&P 2635991	
					1/1/1	
compres - #1-71, # showed maintena ignition - SID97-3	ssion tes 2-51, #2 normal ance of system F. Insp pected I	st and be 3-54, #2 wear. ( engine inspect sected c [AW a ]	ed Airworescope 4-50, #5- CW SB9 control of ions & n rankshat	e inspect 71, #6-6 5-7 man cables an naintena t IAW S	FIS Left Engine. Adjusted mag timing IAW MSB94-8D.  s Part I inspection and test procedures. Performed  ion IAW SB03-3 & SID 97-2B. Compression readings 68, master orifice reading 46. Borescope inspection  nifold valve cover inspection. CW SB95-2 Inspection and and linkage. CW SID96-6, SB653, and SB643B 100 hr  nce. Verified fuel injection system operation IAW 6B09-14, no corrosion found. I certify that this engine has an and has been determined to be in an airworthy condition.	
l certify the found to be a second t	2015, 5 cylinde cylinde c-66, #2-	669.3 Heection I er #2 & 62, #3-	nas been conditio obbs. 99 AW SB0 3 exhau 71, #4-6	inspecte n. A.E.I 01.7 hrs 03-3 & 5 st valves 0, #5-70	TIS Left Engine. Performed compression test and SID 97-2B. Borescope inspection showed normal wear. in place to improve valve seating. Compression readings 0, #6-73, master orifice reading 45. Removed, cleaned, blugs. T. Humes A&P 2635991	
	. 1				Marythan -	
— inspect	ted filter	r media	. Install	ed new '	TIS Left Engine. Drained oil, removed oil filter and Tempest P/N AA48109 filter and serviced engine with 11 qt and run/leak check. T. Humes A&P 2635991	
- Compre - Remove - P/N UR	ssion re d, clean HB32E. or belt P	adings adings and adings are adings and adings and adings are adings and adings and adings are adings and adings and adings are adings and adings are adings and adings are adings and adings are adings and adings and adings are adings and adings and adings are adings are adings and adings are adin	AW SBO now #1- pped, rota aced out 547-31.1	13-3 & S 67, #2-6 ated, and board af 9. Drai	TIS Left Engine. Performed compression test and ID 97-2B. Borescope inspection showed normal wear. 5, #3-75, #4-63, #5-76, #6-65, master orifice reading 45. d reinstalled spark plugs, replacing 2 with new Tempest engine mount with new P/N 634673 and installed new ned oil, removed oil filter and inspected filter media.	

Date	Total	Time	me Time Since Last Overhaul		Engine Service and Maintenance Record	
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins	
rought Forward	J	-				
Inspected Airworthin test and be #3-75, #4- wear. CW engine con inspection	magnet prescope 58, #5-/ / SB95- ntrol cal as & mai	o distri et I inspector 73, #6- 7 mani oles and intenan	butor blo pection a ction IA 70, mass fold val- d linkage ce. Ver	ocks IA' and test p W SB03 ter orific ve cover e. CW S iffied fue	FIS Left Engine. Checked mag timing IAW MSB94-8D. W SB 15-1 & SB669. CW SB96-12, Continued procedures for TCM cylinders. Performed compression B-3 & SID 97-2B. Compression readings #1-65, #2-60, where reading 45. Borescope inspection showed normal reinspection. CW SB95-2 Inspection and maintenance of SID96-6, SB653, and SB643B 100 hr ignition system will injection system operation IAW SID97-3G. Inspected this engine has been inspected IAW a 100 hr inspection worthy condition. T. Humes A&P 2635991	
					1 Maryo	
	N42HF C	ont IO-550	E1 s/n 68	1060	Date April 1, 2016 Left Engine Total Time since new 1051.6	
	I certify that t		A&P 152		ordance with an Annual Inspection and determined to be in airworthy condition.	
- and reinst	, cleane talled fu new Ter	d, gapp el injed npest F	oed, rota etion noz P/N AA4	ted, and zzles. D 18109 fil	reinstalled spark plugs. Removed, cleaned, inspected, orained oil, removed oil filter and inspected filter media. Iter and serviced engine with 11 qt Exxon Elite 20W-50.	
borescope in #4-48, #5-7 wear. Lappe oil, removed serviced eng	nspecti 0, #6-6 ed cylir oil filte ine with park plu	on IAV 4, mas nder #4 er and in	W CM Ister orifications  Exxon	Pub M-0 ice read st valve I filter m Elite 20 V	Left Engine. Performed compression test and  0. Compression readings #1-70, #2-60, #3-66, ling 45. Borescope inspection showed normal e in place, compression reading now 57. Drained nedia. Installed new Tempest P/N AA48109 filter and V-50. Removed, cleaned, gapped, rotated, and Operational Check IAW CM Pub M-0. T. Humes	
using CM F induction sy operational orifice read in place to i fuel injection	Pub M-0 ystem, is checks. ing 45. improve on nozzl	as a gugnition Comp Boresce seating es and 00 hr in	uide, inc system, pression cope insp g, compr verified	luding values, gauges, readings pection stression residuals.	S Left Engine. Performed engine inspections and tests visual, accessories, cylinders, crankcase, engine mounts, fuel system, controls, drains, exhaust system, & s #1-67, #2-48, #3-65, #4-60, #5-68, #6-65, master showed normal wear. Lapped cylinder #2 exhaust valve reading now 56. Adjusted magneto timing. Cleaned stem operation. I certify that this engine has been s been determined to be in an airworthy condition.	
		Cont IO-550			Date April 21, 2017 Left Engine Total Time since new 1147.8	
	I certify that	this Engine	has been ins	pected in acc	cordance with an Annual Inspection and determined to be in airworthy condition.	
	Conrad Pier	son Shad	A&P 15	25270 IA	Conrad P Shad	

Date	Total Time			Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,		
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins	pecuons	
rought Forward	_	-			The state of the s	10.30	
646275-1	, S/N H	-R0513	35, over	rhauled b	TIS Left Engine. Removed starter and installed P/N by Hartzell Engine Technologies, RS #1HZR769B under umes A&P 2635991		
borescope #5-72, #6 removed serviced e reinstalled	e inspec -60, ma oil filter engine v	tion IA ster ori and in with 11 plugs.	W CM I fice read spected qt Exxor Cleaned	Pub M-0. ling 45. filter me n Elite 2 fuel inje	TIS Left Engine. Performed compression test and Compression readings #1-66, #2-57, #3-67, #4-55, Borescope inspection showed normal wear. Drained oil, dia. Installed new Tempest P/N AA48109 filter and 0W-50. Removed, cleaned, gapped, rotated, and ection nozzles. Performed Engine Operational Check 5991		
using CM F master orifi asymmetric improve sea nozzles and	Pub M-0 ce readi al disco ating, co verified ection a	as a guing 45.  coloration  compress  d fuel s  nd has	Boresco n of #3 e sion read ystem op	ompression ope inspersion operation.	S Left Engine. Performed engine inspections and tests on readings #1-67, #2-57, #3-52, #4-50, #5-70, #6-66, ection showed normal wear except for slight valve. Lapped cylinder #3 exhaust valve in place to 65. Adjusted magneto timing. Cleaned fuel injection I certify that this engine has been inspected IAW a to be in an airworthy condition.		
					I certify that this engine has been inspected IAW and be in an airworthy condition.  Brian Kelly Atp 2-6/1779 IA		
borescope in 70, #6-70, n asymmetric reinstalled s	nspection naster of al discol park plu N AA48	on IAW rifice re loration ags. Dr 109 file	CM Pub eading 4: of #3 ex rained oi ter and s	o M-0. Co 5. Bores xhaust va l, removerviced of	S Left Engine. Performed compression test and Compression readings #1-65, #2-62, #3-70, #4-51, #5-scope inspection showed normal wear except for slight alve. Removed, cleaned, gapped, rotated, and ed oil filter and inspected filter media. Installed new engine with 11 qt Exxon Elite 20W-50. Performed		
borescop #5-70, #6 asymmet Removed #DN6R6 valve, 0.0 Baron M service b serviced	e inspectors in the control of the c	etion IA aster or oloration er #3 for nder W rsize ex nce Man Lapp with 11	W CM I ifice read on of #3 or or inspec /O #805 chaust va nual, IO- ed cylind qt Aeros	Pub M-0 ding 45. exhaust vition and 8 dated 2 alve guid -550 San der #2 ex	TIS Left Engine. Performed compression test and D. Compression readings #1-70, #2-59, #3-70, #4-55, Borescope inspection showed normal wear except for valve and slight asymmetry of #2 exhaust valve. repair by Moore Performance Products, CRS 23 Jan 2019. Repair included replacement of exhaust le, & piston rings. Reinstalled cylinder assembly IAW indicast Series Overhaul Manual, and applicable CM exhaust valve in place to improve seating. Drained oil and D Mineral Oil. Performed Engine Operational Check ired IAW CM Pub M-0. T. Humes A&P 2635991		

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		
inspected	filter m	nedia. In	nstalled	new Ter	FIS Left Engine. Drained oil, removed oil filter and mpest P/N AA48109 filter and serviced engine with 11 qt run/leak check. T. Humes A&P 2635991		
using CN master o asymmet improve reinstalle Adjusted	M Pub M rifice re trical dis seating, ed spark I idle mi on and h	A-0 as a adding 4 scolorate, compressive plugs.	guide. 5. Bore ion of # ession re Cleane etting. I determine	Comprescope in 4 exhaust eading not fuel injusting tertify to be a compression of the com	TIS Left Engine. Performed engine inspections and tests ssion readings #1-69, #2-55, #3-75, #4-45, #5-60, #6-66, spection showed normal wear except for slight st valve. Lapped cylinder #4 exhaust valve in place to ow 56. Removed, cleaned, gapped, rotated, and jection nozzles and verified fuel system operation. that this engine has been inspected IAW a 100 hr are in an airworthy condition.		
annual in	spection	n and ha	as been	determin	TIS. I certify that this engine has been inspected IAW an need to be in an airworthy condition.		
					S Left Engine. Replaced cylinder #5 lower spark plug mes A&P 2635991		
borescope #5-67, #6-	inspect 62, mas	ion IAV ter orifi	V CM P	ub M-0. ing 45. I	IS Left Engine. Performed compression test and Compression readings #1-73, #2-62, #3-71, #4-45, Borescope inspection showed normal wear. Removed, park plugs. T. Humes A&P 2635991		
inspected f	ilter med	dia. Ins	talled n	ew Temp	S Left Engine. Drained oil, removed oil filter and pest P/N AA48109 filter and serviced engine with 11 qt un/leak check. T. Humes A&P 2635991		
master of exhaust has been	M Pub I orifice re valve in inspec	M-0 as a cading 4 n place to ted IAV	a guide. 45. Bord to impro V a 100	Compression control co	TIS Left Engine. Performed engine inspections and tests ession readings #1-65, #2-58, #3-73, #4-32, #5-60, #6-66, inspection showed normal wear. Lapped cylinder #4 ing, compression reading now 52. I certify that this engine cition and has been determined to be in an airworthy		
	spection	and ha	s been d	letermin	CIS. I certify that this engine has been inspected IAW an ed to be in an airworthy condition.		

Hrs. Min. Hrs. Min. Hrs. Min.   Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins	Date	Total Time  Hrs. Min.		ne Time Since Last Overhaul		Engine Service and Maintenance Record
23 Jul 2020, 934.7 Hobbs. 1357.1 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-70, #2-30, #3-76, #4-50, #5-62, #6-60, master orifice reading 45. Borescope inspection showed normal wear except for asymmetric discoloration of #4 exhaust valve. Removed #2 & #4 cylinders which were determined to be unrepairable. Installed new Continental Motors cylinder assemblies P/N 658812A2BP, S/N AC20BA991 (#2) & S/N AC20BA995 (#4) with new piston pins P/N 630046 IAW Baron Maintenance Manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Removed manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Removed manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Removed manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Removed, cleaned & reinstalled fuel injector nozzles. Drainted oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell 100 Mineral Oil. Performed Engine Operational Check IAW CM Pub M-0. Flight Check required IAW CM Pub M-0. T. Humes A&P 2635991  10, 2020 Hobbs: \$3.4.7.  11, 2020 Hobbs: \$3.4.7.  12, 2020 Hobbs: \$3.4.7.  13, 2020 Hobbs: \$3.4.7.  14, 2020 Hobbs: \$3.4.7.  15, 2020 Hobbs: \$3.4.7.  16, 2020 Hobbs: \$3.4.7.  17, 2020 Hobbs: \$3.4.7.  18, 2020 Hobbs: \$3.4.7.  19, 2021, 957.9 Hobbs. 1380.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell W15W-50. Performed ground run/leak check. T. Humes A&P 2635991  19, 2021, 955.4 Hobbs. 1387.8 hr					Min.	. [1] 이용하는 1. [1] : [1]
borescope inspection IAW CM Pub M-0. Compression readings #1-70, #2-30, #3-76, #4-50, #5-62, #6-60, master orifice reading 45. Borescope inspection showed normal wear except for asymmetric discoloration of #4 exhaust valve. Removed #2 & #4 eylinders which were determined to be unrepairable. Installed new Continental Motors cylinder assemblies P/N 658812A2BP, S/N AC20BA995 (#4) with new piston pins P/N 630046 IAW Baron Maintenance Manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Removed magnetos and reinstalled after repair by Crossfire Magneto Service, see details following. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Removed, cleaned & reinstalled new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell 100 Mineral Oil, Performed Engine Operational Check IAW CM Pub M-0. Flight Check required IAW CM Pub M-0. T. Humes A&P 2635991  10, 2020 Hobbs: \$\frac{9}{3} \times \frac{9}{3} \t	rought Forward		-			
N-1225, PM: 10-349350-4, SN: L210002F ormed 500-hr inspection in accordance with Continental Ignition formed 500-hr inspection Ignition formed 500-hr inspection in accordance with Continental Ignition formed 500-hr inspection in accordance with Continental Ignition formed 500-hr inspection in accordance with Continental Ignition formed 500-hr inspection Ignition formed 500-hr inspection in accordance with Continental Ignition formed 500-hr inspection in accordance with Continental Ignition for accordance with Continental Ignition for accordance with Continental Ignition for accordance with Continental Ignitio	boresco #5-62, # asymme determin 658812 IAW Ba service see deta cleaned media. Mineral	pe inspectors, need to be A2BP, second Maron Mar	ection I naster of coloration and coloration in the coloration in	AW CM prifice re- ion of #4 pairable. 220BA99 ace Manual ace Manua	Pub Mading 45 exhaus Installed (#2) & ual, IO-5 agnetos ad, cleand etor nozz P/N AA	1-0. Compression readings #1-70, #2-30, #3-76, #4-50, 5. Borescope inspection showed normal wear except for st valve. Removed #2 & #4 cylinders which were ed new Continental Motors cylinder assemblies P/N & S/N AC20BA995 (#4) with new piston pins P/N 630046 and reinstalled after repair by Crossfire Magneto Service, ned, gapped, rotated, and reinstalled spark plugs. Removed, tzles. Drained oil, removed oil filter and inspected filter A48109 filter and serviced engine with 11 qt Aeroshell 100 attional Check IAW CM Pub M-0. Flight Check required
19 Jan 2021, 957.9 Hobbs. 1380.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell W15W-50. Performed ground run/leak check. T. Humes A&P 2635991  19 Apr 2021, 965.4 Hobbs. 1387.8 hrs TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-70, #2-70, #3-75, #4-74, #5-69, #6-67, master orifice reading 45. Borescope inspection showed normal wear. CW CM SB-18-04A by inspection. Subject flanged nuts not installed. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.  T. Humes A&P 2635991  19 Apr 2021, 965.4 Hobbs. 1387.8 hrs TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.	tems Manual, P/N assembled, cleaned tact, condenser, be ributor gear, fish p accment parts. In 100309. Bench test and output to meet and service Bulle astalled part.	X42001-4 d, inspect earings, saper, slin pulse co- ed magnor exceed coupling	, dated C ted, and felts, was nger, DE upling re eto in ac d publish i is in co	october 20 reassembleshers, bru hardware placed wi cordance ned minim mpliance	ole with sh, snap, and all 1 th new, P with Chaum limits with all a	Performed 500-hr inspection in accordance with Continental Ig Systems Manual, P/N X42001-4, dated October 2018. Magneto disassembled, cleaned, inspected, and reassembled with new contact, condenser, bearings, felts, washers, brush, snap rings distributor gear, fish paper, slinger, DE hardware, and all 100% replacement parts. Magneto shaft replaced with serviceable pa Impulse coupling replaced with new, P/N 10-400309. Bench tes magneto in accordance with Chapter 3.2 and found output to re exceed published minimum limits. This magneto and impulse in compliance with all applicable ADs and Service Bulletins an approved for feturn to service as an uninstalled part.
using CM Pub M-0 as a guide. Compression readings #1-70, #2-70, #3-75, #4-74, #5-69, #6-67, master orifice reading 45. Borescope inspection showed normal wear. CW CM SB-18-04A by inspection. Subject flanged nuts not installed. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.  T. Humes A&P 2635991  19 Apr 2021, 965.4 Hobbs. 1387.8 hrs TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.	19 Jan 20 reinstalled Tempest	d spark P/N AA	plugs. 48109	Drained filter and	oil, rem	TIS Left Engine. Removed, cleaned, gapped, rotated, and moved oil filter and inspected filter media. Installed new leed engine with 11 qt Aeroshell W15W-50. Performed
annual inspection and has been determined to be in an airworthy condition.	using CM F master orifi inspection. 100 hr insp	Pub M-( ce read Subjection a	as a guing 45.  It flange and has	Boresco d nuts n been det	ompression ope insport install termined	sion readings #1-70, #2-70, #3-75, #4-74, #5-69, #6-67, pection showed normal wear. CW CM SB-18-04A by alled. I certify that this engine has been inspected IAW a
	annual ins	pection	and has	s been de	etermine	ed to be in an airworthy condition.

Date	Total	Time	ne Time Since Last Overhaul		Engine Service and Maintenance Record		
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins		
Brought Forward	_	-					
#5-67, #6 cleaned, g URHB32	e inspect i-53, mas gapped, i E. Drain 8109 filt	ster orif rotated, ned oil, ter and s	W CM Fice read and rein remove serviced	Pub M-0 ling 45. nstalled ed oil filt I engine	Compression readings #1-73, #2-71, #3-73, #4-77, Borescope inspection showed normal wear. Removed, spark plugs, replacing 2 with new Tempest P/N ter and inspected filter media. Installed new Tempest with 11 qt Aeroshell W15W-50. Performed ground		
using CM Pul master orifice asymmetry of compression i	b M-0 as reading f#5 exhareading in	s a guide 45. Bo aust valv now 73.	orescope ve. Lap	pression e inspect ped #5 e fy that th	Left Engine. Performed engine inspections and tests a readings #1-65, #2-65, #3-75, #4-72, #5-55, #6-52, tion showed normal wear except for slight exhaust valve in place to improve seating, his engine has been inspected IAW a 100 hr an airworthy condition. T. Humes A&P 2635991		
	spection	and ha	s been	determin	IS. I certify that this engine has been inspected IAW ned to be in an airworthy condition.		
borescope #5-70, #6- cleaned, gainspected	inspecti 52, mass apped, re filter me	on IAW ter orific otated, a edia. Ins	CM Po ce readi and rein stalled r	ng 45. l stalled s new Tem	TIS Left Engine. Performed compression test and Compression readings #1-67, #2-65, #3-71, #4-73, Borescope inspection showed normal wear. Removed, spark plugs. Drained oil, removed oil filter and npest P/N AA48109 filter and serviced engine with 11 qt run/leak check. T. Humes A&P 2635991		
using CN master or asymmet	M Pub M rifice rea try of #6	I-0 as a ading 45 exhaus	guide.  5. Bore t valve.	Compre scope in I certif	TIS Left Engine. Performed engine inspections and tests ession readings #1-60, #2-67, #3-68, #4-65, #5-55, #6-70, espection showed normal wear except for slight by that this engine has been inspected IAW a 100 hr be in an airworthy condition. T. Humes A&P 2635991		