# 109 Book 3

## ENGINE LOG BOOK



Publication ELB-01

						20 tel: 978-3	<b>42-8700</b> twin	city98@verizon.net	
Date: 10/1.		obbs:	2292.2	Tach:	2010.5	N 531SR		gine Annual	
Compression		#1:	#2	2:	#3:	#4:	#5:	#6:	
Engine SMO	011: 0					Aiı	frame Serial #:	2438	-
				-		ual inspection guid		957 due to engine TBO	
only, CTO Remmoun engir and ti Instal Reif I syster AE70 engin clamp Manu 2. Reglu 3. Rivet repair 4. Stop 6. Install 6. Install 9. Remov 10. Remov 11. After to good at 12. C/W Ai This aim been tes Pertinen I certify AIRWO.	Removed pri 4907 for detail oved all metal int. Inspected of the reinstallation of the r	opeller P/N is. Remove baffles and with no disc. Installed a and found thaust system of the with oil and and P/N AI f Aeroshell where need and replace to L/H baff 040 strip of attachment on R/H from triangle paragraph patch of .() and ediginal and representation of the ediginal and representation of the ediginal and representation of the ediginal and patch of .() and the ediginal and the edigin	PHC-J3YF ed prop gov made shee expeancies in l engine usi l good at thi m mufflers f heater sun l freon. Rei e7010001G 80 Mineral ded. All wide ded engine ai file and inst f sheet meta t. int baffle. R tch of .040 l40 sheet m air filter win ttor as requ eeded. Ren search to 2End or repaired as necessaa is agency u in inspected	F-IN s/n FP0 remor and so the metal repa noted at this sing (6) new list ime. Rei s and header mp pad as re installed all f0080 as req l oil. Install oork was dor it filter with talled pop ri al across the Riveted fabr sheet metal netal for L/F th new P/N nired. Reins moved cowl 013/20 biw- 1 in accordar ry. This air	G404B and serent to Sensenic to Sensenic to Sensenic to them wh time. Remove Barry engine nunstalled prope is and tail pipe: Equired. Reins EGT and CHT uired. Removed new air core in accordance we BA24 elsevet at front of the back R/H side to cover hole. If front baffle is BA24 elementalled. In made adjustrees the testing to the cover hole in accordance with the moraft is approved to the cover hole.	at to Sensenich Proph Propeller Service Propeller Propeller Service Propeller Service Propeller Pr	peller Service for flushing only. dengine compartme gear landing gear land associated has been conditioner compress and replaced (2) flushle SCAT hoses were to proper tension aintenance Manual reraft and returned screws. Picked up to area of alcohol fundamental conditioner compresses to proper tension aintenance Manual reraft and returned screws. Picked up to area of alcohol fundamental conditions of the picking up to area of alcohol fundamental conditions. Reference manuals are standard conditions and the picking up to area of alcohol fundamental conditions. Reference manuals are standard conditions and the picking up to area of alcohol fundamental conditions are standard conditions.	shing only. See w/o See w/o 125167 for details. ent and tubular engine bungee fitting before ruware. Inspected mixture ruginal standby alternator. lware. Installed (2) new sor bracketry and serviced uid hoses P/N where needed. Serviced n. Secured all wiring with and Cirrus Maintenance to service.  existing holes through fitting on baffle. d part of baffle. b holes for nut plate.  an up aircraft - ops check All systems interrupted have the work performed.	
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Date	Hours	Min <sup>'</sup>	Hours	Min	Record maint installation and Special Inspec	d comp	liance w	ith inspection	ns, Airworthin	removal a ess Directiv
win City	Airmoti	ve Inc	C (KFIT)	 Fitchbur	g, MA 01420	tel: 9	78-342	-8700 twin	city98@veri	zon.net
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ngine SMOI	I: 2112.5						Airfre	me Serial #:	2438	
rformed the fo	lowing anni	ial inspect	tion utilizing	g the manu	facturer's annual	inspectio	n guide:			
2. Draine engine 3. Remowith no pressur 4. Removi	ed oil and rer with 8 Qts of yed fuel pure www.gasket P/I es. yed and replayed	noved filte f 20W50 I p P/N R-6 N 649982. aced all fue	er to cut ope Phillips X/C 555921-6A1 Reinstalled el injector no	on and inspection oil. Ran upstant B13Gathoses. Inspection ozzles with white winder #1 a	llowing results: #1 tet for contaminant p engine and leak of 1405R and installed stalled new mixture new. und #6 with new P/ ith new P/N 16578	ts - none f checked v d fuel pun e arm. To	Found. Instantion of the country of	talled new filter crepancies note 655921-6A1 s/i rigged. Adjust check good at t	P/N CH48108-1 d at this time. n B135A153R. led fuel pressures his time.	. Serviced
<ol> <li>Remove</li> <li>Remove</li> </ol>	ed and replaced an	aced CHT aced engin	probe on cy e air filter w	ith new P/N	N BA24 element.	8-001. Oj	ps check g	oou at this time	•	-
8. Remov	ed all spark	plugs. Cl	eaned, gapp	ed and teste	ed. Reinstalled usi	ing new g	askets P/N	M674.		1
	d air/oil sep			nt. Reinsta	lled bond wire bol	lts.				
11. Adjust	ed ball joint	tension or	n L/H and R/	/H exhaust	as required.					T
	d and cleane		e recearch to	2013/23 h	iweekly issuance.					-
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				Total	Time	Time Si Ove	nce Last rhaul									e Re	
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	Twi	n City	Airm	otive	Inc (K	FIT) Fit	chburg,	MA	01420	tel: 9	78-34	2- <i>87</i> 0	00 twind	ity980	nnual	on.net	
	Date	: 3/7/14	T	Hobi	bs: 221	0.3	Tach:		1	V 331	DA		2311	#6:	75		
	Comp	ression 7	rest X	K/80	<i>41:</i> 77	#2:	75	#3:	76	#4:	73	#5:	erial #:	2438	75		
-		e SMOH										ume 5	Critic III				
	Perform	ned the foll	lowing	annual i	nspection ut	ilizing the	th the follo	turer's	annual i	inspection 1 - 77/80.	n guide: #2- 75/8	80, #3- 7	76/80, #4-	73/80, #	5- 76/80,	#6-	
	11. 12. 13	75/80. 2. Drain sample v 3. Remov 4. Remov 5. Check 6. Retorq 7. Replac 8. Dressee 9. Applied 11. Check	ed oil a was take ved all ved and ed mag ued all ed miss d and p d RTV ed ignit ed torq ed and c	and removen for an spark plut replaced induction induction induction alt air ion leads ue on low cleaned F cleaned	wed filter to alysis. Servings. Cleaned L/H mufflene timing. Ann, exhaust a won R/H he op faces. duct below s with solver mount a R/H rear area oil and air singine.	cut open a iced engird, inspected with ne Adjusted but no comment of the cut	and inspect ne with 15V ed, tested, 1 w P/N 148 both L/H and box cover with new. le for chaff ngs. e. Checke	t for cor W50 As gapped 336-001 nd R/H hardwa  fe prote	ntaminar croshell and rein using h timing t are.	nts - none bil. Ran i stalled w ardware f o 23 degr	found. If up engine ith new grom old sees BTC	installed e and le gaskets system.	I new filte ak checke P/N M674	r P/N CF d - none	148108-1	Oil	
1	Thi bee Pert I cer AIR	s aircraft v n tested an tinent detai tify that th WORTHY	was inspected was inspected with the was insp	pected and ak check on file at the bas between	e research to	Ended in acco sary. This under wated in acco	ordance wi s aircraft i ork order r	ith the ris approno. 647	nanufactived for 0 and a	copy has	been pro	ovided	to the own	ner/oper	ator.	ed have	
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Total	Cir	A i	2041	10 T-	c (KFIT	) Fit-1	bure "	MA 0	1420	tol. C	78-24	2-27	00 m	naite	00000	izon n	et.
					2546.9			MA U 249.0	1420 N	531S		2-0/0			Repai:		
Date:				bbs:		#2:		#3:	1	#4:	)A	#5:		#6:		7.3	
Engine Compr		Test X	180	#1:		14:		#3.		#4.	Airfr.		Serial #:	_			-
			repairs	utilizin	g the mani	ıfacturer	's mainte	nance	manua	ls:	Aujre	ume 5	eriut m.	1243	0		
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	I VOCI F	. I ISHCI A					<i>J. M.</i>				5 (86)						
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	Total	Time		nce Last rhaul	Engine	e Se	rvice a	and Mair	ntenance Rec	ore
Date	Hours	Min	Hours	Min	installation	and co	mpliance v	ns including with inspectio tions and Ser	engine part removal ns, Airworthiness Direc vice Bulletins	an tives
Carried forward -		<b>→</b>								
	irmoti	ve Inc	(KETT)	Eitchhu	ra MA O14	120 to	ı. 078-3 <i>4</i>	2-8700 Twir	ncity98@verizon.net	
Date: 4/12/14		obbs:	2558.7	Flt:	2258.9		31SR	En	gine Repairs	<del> </del>
Compression Te		#1:	#2		#3:		4:	#5:	#6:	_
Engine SMOH							Airfr	ame Serial #:	2438	
Performed the follo	wing renai	irs utilizins	the manus	facturer's n	naintenance m	anuals:				
Ran up a sample w noted at to a control or control	ircraft and vas taken fo this time.	taxied to hor analysis.	angar. Ren Serviced e	noved cowlengine with taxied to ha	and drained oi (8) Qts of 20W ingar.	l. Remov	ps X/C oil. 1	 	new P/N CH48108-1. Oil ad checked for leaks - none	
heen test	ed and/or la	eak checke	d as necess	ary This a	ircraft is appro-	ved for re	turn to service	eance manuals. A se with respect to rovided to the ov	All systems interrupted have the work performed. when the work performed.	
Mark Ma	aljanian A&	P 335452	23	111	1 Vou	1				
A-LOUIN IVIC		555152	/(	1	700					
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win City Al	irmotiv	ve Inc	(KFIT) F	itchburg	, MA 014	20 tel	978-342	2-8700 twin	city98@verizon.net	$\vdash$
Date: 5/15/14	Ho	bbs:	2611.5	Tach:	2301.6	N 5	31SR		gine Annual	L
ompression Tes		#1:	78 #2	: 77	#3: 7	76 #	4: 78	#5: 78	#6: 77	
ngine SMOH:	291.1						Airfr	ame Serial #:	2438	
2. Drained of sample wat this tim 3. Removed 4. Removed 5. Removed 6. Stop drillo 7. Retorqueo 8. Cleaned a 9. Sanded ba 10. Washed a 11. C/W Airw This aircra been tested Pertinent d	bil and rem as taken for e. all spark p and replace , cleaned a ed crack in d all induct dll ignition ack of prop nd cleaned /orthiness l and/or lea etails are o at this Eng	oved filter ranalysis.  Clear ranalysis.  Clear ranalysis.  Clear ranalysis.  Clear ranalysis.  Clear ranal	to cut open Serviced en aned, inspec ter with nev led oil sepa ffle. st, sump an- solvent. Se- ainted. esearch to 2 End- or repaired as necessar is agency usen inspected	and inspecting and inspecting appear with a steed, gappear with BA2 rator. Secund rocker becaused to place and the secured to place and the secured are placed as a secured are placed as a secured as a	the for contamina to the force of the force	ants - nor s 20W50 installed d clamps are anufactur red for ret and a co	e found. Ins X/C oil. Ra with new gas  er's mainten urn to servic by has been j	talled new filter nup engine and kets P/N M674.  Ance manuals. Are with respect to provided to the o	8/80, #5- 78/80, #6- 77/80. P/N CH48108-1. Oil leak checked - none found  All systems interrupted have the work performed. wner/operator. NED TO BE IN	
vin City Airı	notive	Inc (I	(FIT) F	tchburg	, MA 0142	20 tel:	978-342	-8700 Twind	city98@verizon.net	
te: 10/14/14	Hobb	bs: 22		FLT:			1SR		ine Repairs	
mpression Test		<b>#1:</b>	#2:		#3:	#4		#5:	#6:	
gine SMOH: 0			.,				Airfra	me Serial #:	2438	
rmed the following repai	rs utilizing the	manufacture	r's maintenan	ce manuals:					.	
	CORRECTI	ON TO ORIG	GINAL LOG EN	NTRY						
Original log entr	ry reflected the		muffler was rei	installed. New	R/H muffler P/N 2	1892-001 w	as installed.		ŀ	
This aircraft wa	s inspected and aircraft is app	d/or repaired in roved for retu	n accordance w	ith the manufac	cturer's maintenanc	e manuals.	All systems inter		ed and/or leak checked as ork order no. 6309 and a copy has	

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Mark Maljanian A&P 33545223

	Total T	ime	ne Since Las Overhaul			Service a				
Date	Hours	Min Ho	ours Min	Record installa Specia	d mair ation ar al Inspe	ntenance action and compliance actions, Modifica	with inspectations and S	tions, Ain Service Bu	worthiness Di ulletins	irectives,
Carried forward -		•					0700 mm	incity98	everizon.ne	t ()
arried forward	1	Inc (KFI	T) Fitchbu	rg, MA	1420	tel: 978-342	2-8/00 TW	noine R	epai <b>r</b> s	
win City Ai	rmotive	2695.	Tach:	2350.5	N	531SK	#5:	#6:		
ato: 6/5/2014	110003		#2:	#3:			ame Serial ‡			
ompression Test	X/80   #1	•				Auji				
ngine SMOH:				intanana	e manu	als:			,	
ngine SMOH: rformed the follow	ing repairs uti	lizing the ma	nufacturer's n	пинистич		1 1 D/N AS3	491-01 and in	stalled new	alternator #2 P	-/N
1. Removed BC410-1	alternator #2 Is/n 0564797X.	P/N BC410-1 Torqued pace	s/n 11323347 I nuts to 65in lippen and inspe	bs. Connect for conta	cted field	d terminal and A+ s - none found. In	an up engine a	and leak che	cked - Hone for	
										have
										-
been tested	and/or leak ch	e at this agen	essary. This a cy under work	order no.	6605 an	for return to servi d a copy has been	i provided to t	LIC OWIICI/O	F	
Noel F. Fisl	ner A&P 1905	5582	with to							
n City Airm				*** **	420	tal: 978-347	<b>-8700</b> twi	ncity98	@verizon.n	et
City Airm	otive In	C (KFIT)	Fitchburg,	MA 01	420 I	531SR	E	Ingine A	Innual	
6/27/14	Hobbs:	2/24.3	Tucn.			#4: 74	#5: 71	#6:	73	
ression Test X	/80 #1:	70 #2	2: 76	#3:	70	Airfr	ame Serial			
SMOH:						Aujit	title Berra			
ed the following a		in acces	edance with F	AR 43 AD	pendix l	D:				
was taken for at 3. Removed all	nalysis. Servi spark plugs.	ced engine v Cleaned, ins	vith 8 Qts of P pected, set gap	Phillips 20 ps, tested.	w50 X/C Replace	one found. Insta C oil. Ran up eng ed (1) plug with	gine and leak new P/N RHI	checked a B32E. Rei	s necessary. nstalled others	with
was taken for at 3. Removed all new gaskets P/N Removed, clear Retorqued all ir Removed, clear Painted back of Removed and re Removed sheeth under copilot par C/W SA 13-03 T C/W SB 2X-05-0 C/W SB 2X-05-0 Washed and clea	spark plugs. (a) the spark plugs. (b) the spark plugs. (c) the spark plugs. (d) the spark plugs (d) the spark propeller. (d) the spark propeller. (d) the spark plugs	Cleaned, installed fuel in aust and rocl alled oil separate with a separate wi	pected, set gal jectors. ser box cover arator. Secure ith new P/N E g from probe t Reinstalled a W 4-9-14 at ta at tach 2112.5	hardware. ed all lines 3A24. to firewall and ops ch ach 2249.0	Replace and class plug. Neck goo	ed (1) plug with a mps.	new P/N RHI	B32E. Rei	nstalled others	with
was taken for at 3. Removed all new gaskets P/N Removed, clear Retorqued all ir Removed, clear Painted back of Removed and re Removed sheeth under copilot par C/W SA 13-03 T C/W SB 2X-05-0 C/W SB 2X-05-0 Washed and clear C/W Airworthing	palysis. Servi spark plugs. I 1 M674. led and reinst duction, exha- led and reinst- propeller. placed engine on #6 CHT   lel. Cleaned   hrottle Mixtu 2 Induction I 1 Brakes. C/ ned engine.	ced engine we Cleaned, insulated fuel in aust and rock alled oil septential of the connectors. The arrest and the connectors are at Install. Flapper. C/W 12/3/13 arresearch to the clean of the connectors are at Install.	pected, set gaj jectors. ker box cover arator. Secure ith new P/N E g from probe t Reinstalled a W 4-9-14 at ta at tach 2112.5	hardware. ed all lines 3A24. to firewall and ops ch ach 2249.0	Replace and cla plug. Neck goo	ed (1) plug with the samps.  No discrepancies d.	new P/N RHI	B32E. Rei	from control b	oox
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S.HCA	wing repair	s utilizing	the manuf to cut oper Serviced one.	n and ins	pect for co	ontamin	ants - n	one fou	and. In	stalled nev	v filter P	/NCH481	08-1. Oil		
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00	ion IPSI	X/80	#1: 7	8 #2	2: 76		#3:	76	#4:		#5:	78	#6:	78	
-ina	MUIII. T.	13.7										erial #:	2438		
gine o		a annual	inspection	ı utilizinş	g the man	ufactur	rer's an	ınual ir	nspectio	on guide:					-
formed t	he followin	ig annuu	mspeem				1	A 41	70/00	# <b>2 7</b> (/00	U2 7()	100 114 7	(100 115	<b>7</b> 0.400 H	
			on check of												
2. I	Orained oil	and remove	analysis.	Serviced	engine wi	th 8 Qts	s of 20	W50Ph	illips X	/C oil. Ra	an up en	gine and l	eak check	ked – no	ne found
		1 1	d #2, #4, #	6 intake	and exhau	ist and #	#1 and	#3 intal	ke exha	ust gaskel	ts as nee	ded.	12857D as	nd instal	llod I /II
	. DA	1 10 5005	to P/N BL	DOXBAL	to and K/I	ri magn	icio P/I	N 10-30	M-220-	1 8/11 120 /	BALIU.	Remove	a ola ma	gs Ken	noved
		2 and	5 Inctalle	ed new m	ags Swa	innea ta	ich bick	CUD K/F	1 mag.	i imea ma	ags to en	igine Ke	installed	inductio	n pipes.
,	Acar were	renaired h	v Quality	Aircraft A	Accessori	es, inc.	under	w/o W(	011700	15672.00	1 and W	O117001	5672.002	2.	
5 1	Removed at	nd replace	ed engine a	ir filter v	vith new P	'/N BA	24.								
6. (	Cleaned ign	ition lead	s with solv on, exhaus	t and roc	ker box co	over ha	rdware								
Q (	Serviced ga	scolator.													
9 5	Serviced pr	opeller wi	ith grease.	Dressed	and paint	ted back	k of pro	peller.							
			ed R/H mu	ffler with	new unit	t.									
11. (12. )	Cleaned oil	air separa	ator. lugs Clea	ned insn	ected set	gans to	ested	Renlace	ed (11)	plugs wit	h new P	/N RHR3	2E. Insta	alled oth	er with new
	gasket P/N		ugs. Cica	по, пър	colou, sol	Paps, to		-cepiao	(11)	Propo wit	++ 1 /		111500	vu oui	
13.	Fabricated	bracket ar	nd riveted t												
14.	Removed a		ed spinner												
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Date	Hours	Min	Hours	Min	Record m installation Special Ins	nainter and spection	nance action compliance w ons, Modificat	ith inspections, ions and Service	ngine part remova Airworthiness Dire e Bulletins	ctives,
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15. Run or de 16. Wasl 17. C/W This been Pertir	g wires out f fects - none ned and clear Airworthine aircraft was tested and/or	found. Rea ned engine. ess Directiv inspected a r leak check are on file a	e research to and/or repair ked as neces at this agency	o 2014/16 bred in accorssary. This y under wo	oiweekly issuadance with the aircraft is apport	ance. ne manu proved 5728 an	nfacturer's mainto for return to served a copy has bee	enance manuals. A rice with respect to n provided to the o	all systems interrupted he the work performed.	
I certi	fy that this E	Engine has ONDITION	been inspec	MM	ordance with a	ın Annı	ual Inspection an	d WAS DETERM	WED TO BE IN	. {
Mark	Maljanian A	&P 335454	223 IA	1.11						
win City A	irmoti	ve (KF1	T) Fitch	burg, M	A 01420	tel.	978-342-87	OO Twincity	98@verizon.net	-
Date: 9/8/14	Hob		917.9	Flt:	2565.1	N	531SR		2438	
FTT:								Serial #.	2430	
2. Removed This airc have bee performe owner/op	- none found and replace raft was instructed and d. Pertinen	ed at this the eed L/H mu pected and l/o r leak c at details ar	me. uffler assy v l/or repaired hecked as re	with new P End- d in accord	/N 14836-00 lance with the This aircraft y under work	1. e manu is appr	facturer's maint		All systems interrupted spect to the work vided to the	
in City Air	motive	Inc				120	tel: 978-34	2-8700 twin	city98@verizon.	net
e:10/13/14	Hobi	bs: 2	965.6	Tach:	2607.0	N	531SR	En	gine Annual	
pression Test		#1: 7.			#3:	71	#4: 68	#5: 70	#6: 72	
F: 2607.0							Airf	rame Serial #:	2438	
2. Drained oil sample was at this time. Removed al Removed ar Serviced pro Rotated upper	compression and remove taken for an I spark plug Id replaced opeller with er alt air du	n check or ed filter to nalysis. So gs. Cleane engine air #6 Aeros ect to allow	n engine wi o cut open a erviced eng ed, inspecte filter with hell. Dress v RTV on o	ith the following inspection with 8 and set gap a new P/N sed and pa	owing results t for contami 8 Qts of 20W s, tested and BA24. inted back o	s: #1- inants 50 Phi reinsta	72/80, #2-71/8 - none found. In illips X/C oil. F alled with new a	stalled new filter	68/80, #5- 70/80, #6- P/N CH48108-1. Oil I leak checked - none f	
Stop drilled Isolated ignit				n line as r	reeded.					
					AND DESCRIPTION OF THE PARTY OF					
Stop drilled of Stop drilled of										

12. Removed and cleaned air/oil separator.
13. Resealed attach bolts for MCU.
14. Checked hardware on engine for looseness.
15. Removed all fuel injectors. Cleaned and reinstalled in engine.

Removed and replaced rocker box cover gaskets on #3, #4, #6 with new gaskets P/N 655705.

16. Cleaned all ignition leads with solvent.

17. Cleaned fuel strainer.

18. Washed and cleaned engine.

19. C/W Airworthiness Directive research to 2014/20 biweekly issuance.

Hours Min Hours Min Hours Min Record maintenance actions including engine part removal installation and compilance with inspections, Airworthiness Directions, Modifications and Service Bulletins are rised and/or leak-the-ked as necessary. This aircraft is approved for return to service with respect to the work performed, been stated and/or leak-the-ked as necessary. This aircraft is approved for return to service with respect to the work performed. Perturn details are on file at this agency under work offers on 6899 and early has been provided to the owner/operator. Perfurned that its Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  Mark Maljanian A&P 33545223 IA  Win City Airmotive Inc (KFIT) Firehburg, MA 01420 tel: 978-342-8700 Twincity988verison.net. Province 10/21/4 Hobbs: 2973.9 Fit: 2615.1 N 531SR Engine Repairs Compression Test X80 #1: #2: #3: #4: #5: #4: #5: #4/reme Serial #1: 2438  Morphy City Airmotive Inc (MRT) Firehburg and Instituted states PA C24STS sin 4C5-J11017.  Amount of the following repairs utiliting the manufacturer's maintenance manuals:  1. Removed states PAN C24ST3 sin 4C3-301311 and installed states PA C24STS sin 4C5-J11017.  This aircraft was imposed and only repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or related in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or related in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or related in accordance with the manufacturer's maintenance manuals.  Mark Maljanian A&P 33545223  Mark Maljanian A&P 33545223  Mark Maljanian A&P 33545233  Mark Maljan		Total	Time	Time Si	1100			1'	a including	engine part removal
This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6829 and a copy has been provided to the owner/operator.  I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  Mark Maljanian A&P 33545223 IA  Win City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity988verizon.net  Date: 10/21/14 Hobbs: 2973.9 Fil: 2615.1 N 531SR Engine Repairs  One: 10/21/14 Hobbs: 2973.9 Fil: 2615.1 N 531SR Engine Repairs  One: 10/21/14 Hobbs: 2973.9 Fil: 48: #5: #6:  Airframe Sertal #: 2438  Ingine SMOH:  Performed the following repairs utilizing the manufacturer's maintenance manuals:  1. Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  2. Manufactured ground lead in shop from engine to main buss and installed.  Find  Find:  Find:  Find:  Find:  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6843 and a copy has been provided to the owner/operator.  Mark Maljanian A&P 33545223   Win City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity988verizon.net  Date: 12/1/14	Date	Hours	Min	Hours						
This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6829 and a copy has been provided to the owner/operator.  I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  Mark Maljanian A&P 33545223 IA  Win City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity988verizon.net  Date: 10/21/14 Hobbs: 2973.9 Fil: 2615.1 N 531SR Engine Repairs  One: 10/21/14 Hobbs: 2973.9 Fil: 2615.1 N 531SR Engine Repairs  One: 10/21/14 Hobbs: 2973.9 Fil: 48: #5: #6:  Airframe Sertal #: 2438  Ingine SMOH:  Performed the following repairs utilizing the manufacturer's maintenance manuals:  1. Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  2. Manufactured ground lead in shop from engine to main buss and installed.  Find  Find:  Find:  Find:  Find:  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6843 and a copy has been provided to the owner/operator.  Mark Maljanian A&P 33545223   Win City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity988verizon.net  Date: 12/1/14	arried forward –		<b>→</b>							1
been tested and/or leak circk or file at this agency under work order no. 6829 and a copy has been provided to the owner/operator.  I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  Mark Maljanian A&P 33545223 IA  Win City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity988verizon.net  Onte: 10/21/14 Hobbs: 2973.9 Fil: 2615.1 N 531SR Engine Repairs  Onte: 10/21/14 Hobbs: 2973.9 Fil: 2615.1 N 531SR Engine Repairs  Onte: 10/21/14 Hobbs: 41: #2: #3: #4: #5: #6:  Onte: 10/21/14 Hobbs: 3/3 ** #4: #5: #6:  Onte: 10/21/14 Hobbs: 41: #2: #3: #4: #5: #6:  I Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Manufactured ground lead in shop from engine to main buss and installed.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Both tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Mark Maljanian A&P 33545223  Win City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity988verizon.net  Onte: 12/11/14 Hobbs: Fil: 2668.2 N 531SR Engine Repairs  Airframe Serial #: 2438  Engine SMOH:  1. Ran aircraft. Removed cowl and drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft to check for leaks - none found at its time.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak-check										-
Compression Test X/80 #1: #2: #3: #4: #5: #6:  Ingine SMOH:  Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Removed starter R/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Date: 12/1/14 Hobbs: Fit: 2668.2 N 531SR Engine Repairs  Mark Maljanian A&P 33545223  Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98&verizon.net  Date: 12/1/14 Hobbs: Fit: 2668.2 N 531SR Engine Repairs  Compression Test X/80 #1: #2: #3: #4: #5: #6:  Compression Test X/80 #1: #2: #3: #4: #5: #6:  Airframe Serial #: 2438  Performed the following repairs utilizing the manufacturer's maintenance manuals:  1. Ran aircraft. Removed cowl and drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N C148108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft to check for leaks - none found at this time.  End-  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 6901 and a copy has been provided to the owner/operator.	Pertinent of AIRWOR	d and/or lead details are of lat this Engi THY CONI	n file at the	is agency un	nder work o	order no. 6829 and	a copy n	as been pr	Ovided to are	· –
Compression Test X/80 #1: #2: #3: #4: #5: #6:  Ingine SMOH:  Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Removed starter R/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Date: 12/1/14 Hobbs: Fit: 2668.2 N 531SR Engine Repairs  Mark Maljanian A&P 33545223  Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98&verizon.net  Date: 12/1/14 Hobbs: Fit: 2668.2 N 531SR Engine Repairs  Compression Test X/80 #1: #2: #3: #4: #5: #6:  Compression Test X/80 #1: #2: #3: #4: #5: #6:  Airframe Serial #: 2438  Performed the following repairs utilizing the manufacturer's maintenance manuals:  1. Ran aircraft. Removed cowl and drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N C148108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft to check for leaks - none found at this time.  End-  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 6901 and a copy has been provided to the owner/operator.	* -	-					0 4-1-4	70_24	2-8700 Twin	city98@verizon.net
Compression Test X/80 #1: #2: #3: #4: #5: #6:  Ingine SMOH:  Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  Removed starter R/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Date: 12/1/14 Hobbs: Fit: 2668.2 N 531SR Engine Repairs  Mark Maljanian A&P 33545223  Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98&verizon.net  Date: 12/1/14 Hobbs: Fit: 2668.2 N 531SR Engine Repairs  Compression Test X/80 #1: #2: #3: #4: #5: #6:  Compression Test X/80 #1: #2: #3: #4: #5: #6:  Airframe Serial #: 2438  Performed the following repairs utilizing the manufacturer's maintenance manuals:  1. Ran aircraft. Removed cowl and drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N C148108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft to check for leaks - none found at this time.  End-  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 6901 and a copy has been provided to the owner/operator.	win City A	irmoti	ve Inc	(KFIT)	Fitchbu	rg, MA 0142	v tel: 9	SP	En	gine Repairs
Ingine SMOH:    Airframe Serial #:   2438   Airframe Serial #:   2438	Date: 10/21/1.	4   Ho	bbs:	29/3.9	ru:	2013.1		DI		
I. Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-J11017.  2. Manufactured ground lead in shop from engine to main buss and installed.  End  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6843 and a copy has been provided to the owner/operator.  Mark Maljanian A&P 33545223  Mark	Compression Te	st X/80	#1:	#2	<b>:</b>	#3:	77.	Airfre		2438
1. Removed starter P/N C24ST3 s/n 4C3-301311 and installed starter P/N C24ST5 s/n 4C5-311017.  2. Manufactured ground lead in shop from engine to main buss and installed.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6843 and a copy has been provided to the owner/operator.  Mark Maljanian A&P 33545223  Mark Malj	ngine SMOH	•								-
Date: 12/1/14  Hobbs:	a I		1			<b>J</b>	's			
Date: 12/1/14  Hobbs:	- Str. Ottor A	irmoti.	o Inc	(KFTT)	Fitchbur	g, MA 01420	tel: 9	78-342	<b>-8700</b> Twind	city98@verizon.net
Compression Test X/80 #1: #2: #3: #4: #5: #6:  Engine SMOH:  Performed the following repairs utilizing the manufacturer's maintenance manuals:  1. Ran aircraft. Removed cowl and drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft to check for leaks - none found at this time.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no 6901 and a copy has been provided to the owner/operator.	Data 12/1/14	Ho	bbs:	(1121)	Flt:	2668.2 N	531.	SR		
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1. Ran aircraft. Removed cowl and drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft to check for leaks - none found at this time.  This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order not 6901 and a copy has been provided to the owner/operator.				the manuf			als:			1
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6	Date		Hours	Min	Hours	Min	installa	tion a	nd co	omplia	ance wi	th insp	ectio	engine part ons, Airworthine rvice Bulletins	removal and ss Directives,
	Twin Cit	y Airm	otive	inc (K	FIT) Fite	chburg,	MA 01	420	tel:	978-	342-87	00 twi	nci	ty98@verizon.	net
	Date: 1/2/2	013	Hobb.	5:	7	Tach:	2712.1	N	53.	1SR		E	ngi	ne Annual	
_	Compression			1: 78	#2:	74	#3:	74	#4:					#6: 78	
	Engine SMC	DH: 701	1.6							Ai	rframe	Serial i	<b>#:</b> .	2438	
	2. Drai samp Ran ( 3. Rem 4. Rem 5. Clear 6. Rem 7. Clear 8. Rem 9. Servi 10. Retor 11. Instal 12. Readh 13. Wash 14. C/W /	formed con ined oil and oile was take up engine a loved all figured and coned fuel stroved and reced propelliqued all in led new boared L/H ped and clea Airworthin arcraft was leak check	npression d removed en for ana and leak c aark plugs eel injecto ition lead eleaned air ainer. eplaced er er with # douction, o olt P/N Al banel behi aned engi ess Direc inspected inspected inspected inspected as nec	check on of dilter to culysis. Ser thecked - n. Cleaned rs. Cleaned regime air fi 6 Aeroshe exhaust an N3-34 and nd exhaus ne. tive resear	engine with cut open and viced engine to one found in the cut of t	the follow d inspect fice with 9 Q at this time, set gaps, stalled in eigenvery ew P/N BADressed an ox cover have cover h	ving result: or contami ts of 20W e. tested and ngine. A24. dd painted ardware as 0-3 on ind cdy issuance	s: #1- nants - 50 Phil reinsta back of require uction ee.	F propeed. duct fl	found. /C oil. ith new	Installed Ran up of y gaskets  All system to the specific to the system of the system	new filtering ine are P/N M6	er P/N de leal	80, #5- 76/80, #6- 7 N CH48108-1. Oil k checked as necess  COL ted have been testermed. Pertinent de	d d
Twin Date:	AIRWO Mark M	ORTHY Confident of the confidence of the confide	ONDITION A&P 3354	ON. 15223 IA		1M.	o 1420	C O tel	_	3-342		Twinc	ity	D TO BE IN  980verizon.ne  Repairs	et .s.
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Engin	e SMOH:								1	4 <i>irfra</i>	me Ser	ial #:	243	88	
1.	CH48108-1 engine and This aircraft	cowl. Drai l. Oil sam leak check 	ned oil ar ple was to ced - none ected and k checked n file at th	nd remove aken for a e found at 	d filter to c nalysis. Se this time. End ed in accord sary. This	ut open an	ind inspect :	for con Qts of  Gatare	r's ma	r suppl intenar	lied Phillince manu	ips 20W	syste	new filter P/N //C oil. Ran up ems interrupted have ork performed. perator.	/e 0



Date: 4/16/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3179.30; Tach: 2811.20; Total Time: 2811.20 Performed a 100 Hour Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.
\* Performed a Differential Compression Check with the following results: Cylinder #1 68/80, Cylinder #2 70/80, Cylinder #3 68/80, Cylinder #4 72/80, Cylinder #5 62/80, Cylinder #6 68/80. Checked the Magneto Timing \* Cleaned, gapped, and tested the spark plugs. \* Lubricated the engine controls and slip joints after cleaning. \* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted. \* Adjusted the mixture control arm on the fuel pump and torqued. Adjusted the mixture control rod end for proper clearance in the panel and to hit both stops. Secured the Adel clamp on the right side of the engine mount that secures the EGT wires. Checked security on all remaining \* Removed a damaged section from the rear scat tube on the right muffler shroud. \* Fabricated a patch and riveted to the forward baffle behind the propeller. \* Cleaned the fuel flow transducer baffle and applied RTV to the plug. \* Adjusted the baffle at the #5 cylinder and secured with RTV. \* Removed all screws from the left and right baffles over the rocker box covers. Reinstalled the screws with new lock washers and flat washers 1-20) (05-1 \* Installed 12 new Tempest URHB32E spark plugs. \* Drilled out a broken rivet and replaced on the baffle behind the right magneto. oifelugalif \* Removed the #5 cylinder exhaust rocker cover. Staked the valve and re-tested the compression. Compression rose to within acceptable limits. Remove the old gasket and cleaned the covers. Reinstalled the rocker cover with a gasket p/n 655705 and torqued ola ni vigilia Blo Aoola ai book I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy 4 | if is esser ent details of this inspection are on file at Infinity Aviation Services LLC under the user/il the work order listed. Signature: Alan Desrosiers of instroquit Date: 4/16/2015, W/O: 15653 Infinity Aviation Services LLC FAA Certified Repair Station #I6FR992Y Н зешоці Vante (Typed o ngi2 bəxinotlu<sup>A</sup>A Cirrus SR22 5/8/15 N531SR S/N 2438 Hobbs 3251.2 Changed engine oil and oil filter. Took engine oil sample. Cut open old filter for inspection, all found ok. Octifies the ite Serviced with 7 quarts of Philips 20w50 oil. -Klum 015389017 463-331417 ENGINE MODEL: 10-550-N Performance Flight ENGINE S/N: 1008957 REG. NO: 531SR 136 Tower Road, Hangar M DATE: 5/18/2015 WORK ORDER: 1645-05-2015 West Harrison, NY 10604 A/C TSN: 3277.8 ENG TT: 2904.1 FLIGHTTIME: 2904.1 Phone: 914-397-1444 **Engine Entries** Client requests investigate no crank, no start.... Removed Sky-Tec C24ST5 s/n 4C5-511017 and installed new CMI p/n 657596 s/n 4C3-391412 IAW applicable Cirrus SR-22 AMM 80-10. Completed satisfactory ground function check of work performed with no discrepancies noted. The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been DATE: 5/18/2015

Work Order: 1645-05-2015

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Tim Fox, A&P: 3560697

VorqqA X

Engine Logbook Entry    Name: Cornerstone Aviation L.L.C.   Tail # N531SR   Hobbs: 3284.4		Total Tim	ne Time	e Since Last Overhaul	Engine Sert	vice and Maintenance Re	ecc
Name: Cornerstone Aviation L.L.C.   Tail # N531SR   Hobbs: 3284.4	Date	Hours M	lin Hou	ırs Min	installation and comp	pliance with inspections, Airworthiness D	
Name: Cornerstone Aviation L.L.C. Tail # N531SR Hobbs: 3284.4  W.O.: 9068 Serial #: 1008957 SMOH: 898.0  Date: 5/29/2015 Model #10-550N47 Flight: 2908.5  Completed 100 Hr. engine inspection this date IAW Cirrus SR22 AMM checklist Engine compressions Cyl.#1 70/80, Cyl.#2 72/80, Cyl.#3 74/80, Cyl.#4 68/80, Cyl.#5 70/80, Cyl.#6 74/80. 46 psi, master orifice reading. Replaced oil filter with P/N CH48108-1 and serviced engine with 8 qts. 20W50 X/C oil. Replaced Cyl.#'s 2,4 & 6 all rocker box cover gaskets and Cyl.'s 1 & 3 exhaust side only rocker box cover gaskets. Checked and adjusted MAX RPM fuel flow and checked unmetered fuel pressures, adjusted idle speed and idle mixture. Adjusted LH Magneto timing to 22 degrees before top center for Cyl. #1. Cleaned all ignition lead springs at spark plug end. C/W Airwolf air/oil separator ICA HFCW360 performed 100 Hr. cleaning. Cleaned gapped and tested all spark plugs. Replaced air filter P/N BA24. Secured engine pre-heat pad to oil sump. Adjusted mixture control to contact stops. Repositioned pre-heat wire cable and air conditioning wire harness as needed to prevent chafing. After inspection ran up engine, no leaks noted, operational check good. I certify that this engine has been inspected IAW an 100 Hr. inspection and is airworthy at this time and is approved for return to service.  Signature:  Signa	rie C	FLIGH	ITLEV	EL			
W.O.: 9068 Date: 5/29/2015 Date: 5/29/2015 Date: 5/29/2015 Date: 5/29/2015 Smolt: ask 8.0 Flight: 2908.5 Completed 100 Hr. engine inspection this date IAW Cirrus SR22 AMM checklist Engine compressions Cyl.#1 70/80, Cyl.#2 72/80, Cyl.#3 74/80, Cyl.#4 68/80, Cyl.#5 70/80, Cyl.#6 74/80. 46 psi, master orifice reading. Replaced oil filter with P/N CH48108-1 and serviced engine with 8 qts. 20W50 X/C oil. Replaced Cyl.#'s 2,4 & 6 all rocker box cover gaskets and Cyl.'s 1 & 3 exhaust side only rocker box cover gaskets. Checked and adjusted MAX RPM fuel flow and checked unmetered fuel pressures, adjusted idle speed and idle mixture. Adjusted LH Magneto timing to 22 degrees before top center for Cyl. #1. Cleaned all ignition lead springs at spark plug end. C/W Airwolf air/oil separator ICA HFCW360 performed 100 Hr. cleaning. Cleaned gapped and tested all spark plugs. Replaced air filter P/N BA24. Secured engine pre-heat pad-to oil sump. Adjusted mixture control to contact stops. Repositioned pre-heat wire cable and air conditioning wire harness as needed to prevent chafing. After inspection ran up engine, no leaks noted, operational check good. I certify that this engine has been inspected IAW an 100 Hr. inspection and is airworthy at this time and is approved for return to service.  Signature:  Signat	Name						
Date: 5/29/2015   Model # IO-550N47   Flight: 2908.5   Completed 100 Hr. engine inspection this date IAW Cirrus SR22 AMM checklist Engine compressions Cyl.#1 70/80, Cyl.#2 72/80, Cyl.#3 74/80, Cyl.#4 68/80, Cyl.#5 70/80, Cyl.#6 74/80. 46 psi, master orifice reading. Replaced oil filter with P/N CH48108-1 and serviced engine with 8 qts. 20W50 X/C oil. Replaced Cyl.#'s 2,4 & 6 all rocker box cover gaskets and Cyl.'s 1 & 3 exhaust side only rocker box cover gaskets. Checked and adjusted MAX RPM fuel flow and checked unmetered fuel pressures, adjusted idle speed and idle mixture. Adjusted LH Magneto timing to 22 degrees before top center for Cyl. #1. Cleaned all ignition lead springs at spark plug end. C/W Airwolf air/oil separator ICA HFCW360 performed 100 Hr. cleaning. Cleaned gapped and tested all spark plugs. Replaced air filter P/N BA24. Secured engine pre-heat pad to oil sump. Adjusted mixture control to contact stops. Repositioned pre-heat wire cable and air conditioning wire harness as needed to prevent chafing. After inspection ran up engine, no leaks noted, operational check good. I certify that this engine has been inspected IAW an 100 Hr. inspection and is airworthy at this time and is approved for return to service.  Signature:  Signature:  Signature:  Steven Wolff A&P IA 16629146  Flightlevel Norwood Affordat Maintenance 209 Access Road, Norwood MA 02062 781-769-8686	W.O.: 906	ornerstone Aviation	on L.L.C.				
reading. Replaced oil filter with P/N CH48108-1 and serviced engine with 8 qts. 20W50 X/C oil. Replaced Cyl.#'s 2,4 & 6 all rocker box cover gaskets and Cyl.'s 1 & 3 exhaust side only rocker box cover gaskets. Checked and adjusted MAX RPM fuel flow and checked unmetered fuel pressures, adjusted idle speed and idle mixture. Adjusted LH Magneto timing to 22 degrees before top center for Cyl. #1. Cleaned all ignition lead springs at spark plug end, C/W Airwolf air/oil separator ICA HFCW360 performed 100 Hr. cleaning. Cleaned gapped and tested all spark plugs. Replaced air filter P/N BA24. Secured engine pre-heat pad to oil sump. Adjusted mixture control to contact stops. Repositioned pre-heat wire cable and air conditioning wire harness as needed to prevent chafing. After inspection ran up engine, no leaks noted, operational check good. I certify that this engine has been inspected IAW an 100 Hr. inspection and is airworthy at this time and is approved for return to service.  Signature:  Si						Flight: 2908.5	
	mixture. Ac springs at sp gapped and Adjusted mi as needed to that this eng	ljusted LH Mag park plug end. ( tested all spark ixture control to prevent chafin ine has been in vice.	gneto timin C/W Airwo k plugs. Rep o contact st ng. After in spected IA	g to 22 degree olf air/oil separ olaced air filte ops. Reposition spection ran u W an 100 Hr.	es before top center for crator ICA HFCW360 per P/N BA24. Secured en oned pre-heat wire cable pengine, no leaks noted inspection and is airwo steven Wolff and Africatt Maintenance	Cyl. #1. Cleaned all ignition lead erformed 100 Hr. cleaning. Cleaned ngine pre-heat pad to oil sump. e and air conditioning wire harness d, operational check good. I certify rithy at this time and is approved for Called A&P IA 16629146	
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### **Total Time**

### Time Since Last Overhaul Engine Service and Maintenance Record



Date: 7/16/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3387.30; Tach: 3008.70; Total Time: 3008.70

\* Performed a 100 Hour Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance

\* Performed a Differential Compression Check with the following results: Cylinder #1 69/80, Cylinder #2 73/80, Cylinder #3 70/80. Cylinder #4 69/80, Cylinder #5 64/80, Cylinder #6 74/80.

Cleaned, gapped, and tested the spark plugs.

\* Lubricated the engine controls and slip joints after cleaning.

\* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

\* Removed all hoses from the Airwolf air/oil separator. Removed the separator and cleaned. Replaced the main grommet. Applied RTV and anti-chafe protection where needed. Reinstalled the air/oil separator and secured. Work was performed in accordance to the Airwolf ICA's.

Removed and replaced the air/oil separator breather hose with the correct size. Installed new baffle grommets.

\* Repositioned the throttle cable and secured with tywraps and RTV to prevent chafing.

\* Re-torqued all rocker box covers to manufacturer's specifications.

\* Inspected the #6 CHT probe wires and connectors with no discrepancies found. Applied Stabilent 22 to the connector pins. Rerouted the EGT and CHT probe wire harness on the left side away from the muffler and exhaust. Repositioned the Adel clamps and tywrapped the harness as required. Performed an engine ground run. The #6 CHT readings are stable but read lower than the rest.

Removed the starter adapter drive p/n 642083 s/n CAS-2640. Cleaned the crankcase flange of gasket material. Installed an overhauled starter adapter p/n 642083-A2 s/n CAM11-458 with a new gasket and torqued to manufacturer's specifications. Performed several engine starts with satisfactory results.

\* Removed the #3 and #4 induction tubes. Removed both magnetos p/n 10-500556-1 (It s/n D17BA116, rt s/n D17BA110.) Installed rebuilt magnetos p/n BL-500556-1 (It s/n D14GA041R, rt s/n D14GA050R - see 8130s.) Timed both magnetos to the engine in accordance with manufacturer's specifications. Reinstalled the #3 and #4 induction tubes with new gaskets and torqued to manufacturer's specifications.

\* Removed the fuel nozzles and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted. Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued.

I certify that this engine has been inspected in accordance with a 100 hour Inspection and was determined to be in airworthy condition and is approved for return of services. Portinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers Date: 7/16/2015, W/O: 15757

Infinity Aviation Services LLC FAA Certified Repair Station

#I6FR992Y

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Autum	n Air Services.	557 Crawfe	ord St. Fitchbur	g, MA 01420	(978) 343-5727	
Date:	7-21-2015	N	N531SR	Hrs.:	3024.8 FLT HOBBS	
Tech:	Jeff Hill	A&P:	3207556	Sign:	1. Mar	
Descripti	on of Work:	En	gine		77777	
1. Ren	noved governor p/n C290D	03-R/T23, s/n 04	0387.			y
2. Inst	talled serviceable governor	r p/n D210760, s	s/n 00486 using	new gasket p/n	AA9144, torqued hardware.	
3. Rur	a-up aircraft and leak chec	cked.				
4. Che	ecked static RPM output.					
5. Ret	orqued all RBC gaskets.					
6. The	systems affected were op	erationally teste	ed with no discre	epancies noted.		
7. All	work was performed i/a/w	manufacturer's	service instruc	tions and AC43.	13.1B. End	
			1		N (N (N)	
Autumn	Air Services.	557 Crawfo	ord St. Fitchburg	g, MA 01420	(978) 343-5727	
Date:	7-28-2015	N	N531SR	Hrs.:	3060.8 FLIGHT HOBBS	
Tech:	Jeff Hill	A&P:	3207556	Sign:	the soldier	
<ul> <li>Description</li> </ul>	on of Work:	En	gine	71/1		
1. Cha	nged oil and filled with: P			///		
— 2. Rem	loved and inspected oil filt	er (i/a/w SI1492	b) with no cont	aminants noted.	Replaced with: AA48108-2.	
	shed engine, run up and le					
— 4. The	systems affected were ope	erationally teste	d with no discre	epancies noted.		İ
5. All v	work was performed i/a/w	manufacturer's	service instruct	tions and AC43.1	3.1B. End	
	1 1 2	1	1	(19) as 2 (1		ŀ
				5		
				N. C.		
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Engine Service and Maintenance Kelond Time Since Last **Total Time** (978) 343-5727 moval and cora Autumn Air Services. 557 Crawford St. Fitchburg, MA 01420 3087.9 FLT HOBBS Directives, Date: 8-5-2015 N531SR Hrs.: Jeff Hill Tech: 3207556 Description of Work Engine Removed serviceable governor p/n D210760, s/n 00486. Reinstalled overhauled governor p/n C290D3-R/T23, s/n 040387, installed new gasket p/n AA9144, torqued hardware. Governor overhauled by New England Propeller Service, Inc. under w.o.# CR-41938. 3. Run-up and leak checked, checked static RPM output. The systems affected were operationally tested with no discrepancies noted. End All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. INFINITY AVIATION 117 Perimeter Road / Nashua, NH 03063 FAA Certified Repair Station #I6FR992Y Date: 8/13/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3491.60; Tach: 3110.50; Total Time: 3110.50 \* I certify that this aircraft has been inspected in accordance with a 100 hour Inspection and was determined to be in airworthy condition and is approved for return to service Peninent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed. Signature: Alan Desrosiers Date: 8/13/2015, W/O: 15796 Infinity Aviation Services LLC med FAA Certified Repair Station #I6FR992Y ed (978) 343-572FAA Certified Repair Station #I6FR992Y Date: 8/20/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3491.60; Tach: 3110.50; Total Time: 3110.50 \* Removed all cylinder rocker covers. Cleaned the covers and found two of the covers were damaged. Installed new covers p/n 655725. Cleaned the cylinder surfaces. Installed 12 new REAL silicone gaskets p/n RG-632459 in accordance with manufacturer's Signature: Alan Desrosiers Date: 8/20/2015, W/O: 15796 Infinity Aviation Services LLC FAA Certified Repair Station #I6FR992Y St. Fitchburg, MA 01420 Hrs.: Sign: (978) 343-5727 557 Crawford St. Fitchburg, MA 01420 Autumn Air Services. FLT Hobbs:3153.9 Hrs.: N531SR 8-27-2015 Date: A&P: 3207556 Jeff Hill Tech: N531SR 3207556L Engine Description of Work: Changed oil and filled with: Phillips X/C. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2. Crawford Washed engine. 3. Run up and leak checked, no disc noted. The systems affected were operationally tested with no discrepancies noted. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End N A&P: 557 Autumn Air Services. 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727 Flt hobbs: 3212.8 9-29-2015 Date: N N531SR Hrs.: Jeff Hill 3207556 Tech: A&P Description of Work: Engine 100 HR Tach: 3212.8, SMOH: 1202.3, Prop SMOH: 1743.4. Compression test: 1) 74 2) 72 3) 71 4) 71 5) 66 6) 76 over 80 PSI. Changed oil and filled with: Phillips X/C. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2. Cleaned, gapped and inspected spark plugs, installed with new gaskets. Ser Description of Worl Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws. Air Checked fuel pressures per Manufacturer specs. Adjusted magneto timing as needed. Removed defective starter adapter. Installed overhauled starter adapter P/N 642083-A2, S/N CAM15-084 overhauled by Canadian Aero Manufacturing under W.O. # 15-084. The systems affected were operationally tested with no discrepancies noted. 11. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End



Date: 11/03/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3640.40; Tach: 3258.70; Total Time: 3258.70

\* Complied with 50 hour interval inspection in accordance with the Cirrus Scheduled Maintenance Manual.

- \* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
- \* Visually inspected the oil sump plug for general condition.
- \* Visually inspected the high tension igntion harnesses and leads.

\* Performed inspection/checked exhaust system.

\* Visually inspected breather tube for obstructions and security.

\* Inspected the engine area for oil leaks and signs of oil leaks by the exhaust and engine breather with no discrepancies noted at this time.

Signature: Alan Desrosiers\_\_ Date: 11/3/2015, W/O: 1589 Infinity Aviation Services LLC FAA Certified Repair Station #I6FR992Y

12-11-15	HOBE	S! 36	71.3	FLT/	40bbs: 3289.6
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Victor Aviation	
<b>AVIATION</b>	•

VICTOR AVIATION SERVICES, INC. P.O. BOX 50608 PALO ALTO, CA 94303-0608 (650) 856-7616

F.A.A. CERTIFIED REPAIR STATION #BJ3R399L

- - Engine major overhauled I/A/W the current overhaul manual for this model with new CMI cylinders and camshaft.
- 2. Overhaul included the following accessories: Fuel injection system, starter, magnetos, and ignition harness.
- Installed General Aviation Modifications modified injector nozzles I/A/W STC SE09963SC, see FAA form 337 dated 01/26/2016.
- 4. The engine identified above has been inspected and repaired in accordance with current Federal Air Regulations and has been determined to be in airworthy condition for the work performed. Pertinent details of the repair are on file at this agency under work order number 17176, dated 12/11/2015.
- 5. Engine was test run satisfactorily upon completion of above work.
- 6. See rear of log for A.D. listing.
- 7. Engine was not installed by this agency...
- 8. Nothing follows.

Inspector Am Proposition Date 1/24/2016
For epair station of Victor Aviation Services, Inc.

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		7	Total	Time	Time S Ov	Since Last erhaul	Engine	Service	and	d Main	itenance	e Reco	ord
- 1		Date				=	Record mai	ntenance act	ions i	ncluding	engine • part	removal	and
- 1	~4	Autumn	Air Serv	ices.		557 Crawi	ford St. Fitchbu				43-5727		∕es,
- 1		Date:	2-2	27-2016		N	N531SR	Hrs.:	FI	LT Hobbs:			-
$\perp$		Tech:		ff Hill		A&P:	3207556	Sign:		Mass	7		
C	arri									· ·			
		<ol> <li>Reir</li> </ol>	stalled afte	er overha	ul by Vic	tor Aviatio	n Services, Inc.	under W.O.# 1	7176. R	Reinstalled	engine using	new Barry	
		engin	e mounts P	/N 96301	-01, insta	illed with r	new locking har	dware and toro	rued mo	ounting bol	ts.		
		2. Remo	ved propell	er M/N P	HC-J3YF	-1N-N760	5B, S/N FP640	B for overhau	l. Reins	stalled prop	eller M/N PH	C-J3YF-	
		1N-N	605B, S/N	FP6404E	after ov	erhaul by l	New England P	ropeller Service	es unde	er W.O.# C	R-42214. Insta	illed using	
	- 1	3. Remov	cking hard	ware and	torqued	DOOD 2-D/T	00 CAT 04000	D :				,	
-		Service	eu propene	er governe	OF P/IN C	M. Installa	23, S/N 040387	. Reinstalled af ounting gasket	ter ove	rhaul by N	ew England P	ropeller	-
1		4. Remov	ed #2 alter	nator P/N	J BC/10-	1 S/N 056	4707Y Installa	d overhauled #	and loc	king hardy	ware.	0001202	- 1
$\vdash$	-	Install	ed using ne	w gasket	and lock	ing hardw	are, and torque	d overnamed #.	z aiteri	nator P/N I	3C410-1, 5/N	0921333.	-
1	1	5. Installe	ed new star	ter P/N (	C24ST5. 8	S/N 4C5-49	81523	u.					- 1
	7	6. Reinsta	lled Reiff l	neater sys	stem and	secured.	71020.						$\neg$
	1 '	7. Reinsta	lled air co	nditioner	r drive ar	id compres	sor using new	gasket and har	dware				
	-  8	<ol><li>Cleaned</li></ol>	Airwolf A	ir/oil sepa	arator. Re	einstalled	and secured ho	ses and clamps	uware.				
	-1	). Reinsta	lled exhaus	st stacks	and muff	lers using	new gaskets ar	d locking hard	ware				
	1	0. Reinsta	led CHT a	nd EGT p	robes.		•						
	7	1. Installed	l new engir	ne air filt	er P/N B.	A24.							
	1	2. Run up a	and leak ch	ecked fue	el and oil	systems.	No disc noted.						
	13	<ol><li>The syst</li></ol>	ems affecte	ed were or	perations	ally tested	with no discrer	ancies noted.					$\vdash$
	14	4. All work	was perfor	med i/a/v	v manufa	cturer's se	ervice instruction	ons and AC43.1	13.1B.	End			
													-
	-												



Date: 3/25/2016; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3694.20; Tach: 3312.50; Total Time: 3312.50 \* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.

\* Performed a Differential Compression Check with the following results: Cylinder #1 73/80, Cylinder #2 75/80, Cylinder #3 76/80, Cylinder #4 75/80, Cylinder #5 76/80, Cylinder #6 74/80.

Cleaned, gapped, and tested the spark plugs.

\* Lubricated the engine controls and slip joints after cleaning.

\* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

\* Adjusted the left and right magneto timing to within manufacturer's specifications.

\* Removed damaged and peeling tape from the left lower cowl. Cleaned the area and applied new tape as required.

\* Removed and replaced the nose strut aft close out p/n 20665-003.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to sprvice Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers Date: 3/25/2016, W/O: 16039 Infinity Aviation Services LLC FAA Certified Repair Station

#I6FR992Y



Date: 5/12/2016; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3739.20; Tach: 3357.50; Total Time: 3357.50
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none
noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of Phillips 20W50XC oil. Washed the engine with
varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
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\* Found the wiring for the #4 and #6 CHT probes were reversed. Cleaned the contacts on the #4 and #6 CHT connectors and connected the wires correctly.

Signature: Alan Desrosiers Date: 5/12/2016, W/O: 16086 Infinity Aviation Services LLC FAA Certified Repair Station #I6FR992Y

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A D T D I 2



Date: 9/01/2016; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3897.20; Tach: 3515.10; Total Time: 225.50 \*Performed a 100 Hour/Annual Inspection of the Engine in accordance with the Inspection checklist contained in the SR22 Maintenance Performed a Differential Compression Check with the following results: Cylinder #1 70/80, Cylinder #2 70/80, Cylinder #3 75/80, Cylinder #4 70/80, Cylinder #5 70/80, Cylinder #6 68/80

Checked the Magneto Timing.

Cleaned, gapped, and tested the spark plugs.

Lubricated the engine controls and slip joints after cleaning.

Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of Phillips 20w50xc oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

\*Removed and replaced right side exhaust muffler p/n 14837-001 overhauled by Dawley Aviation.

\*Reposition the right side engine baffle to prevent chafing into#5 cylinder.

\*Removed safety wire from secondary oil sump drain plug, re torqued, safetied and checked for leaks. No leaks noted at this time. \*Fabricated doubler from .040 aluminum, etched and alodined. Matched drilled to the baffle behind the magnetos and riveted in

accordance with AC43.13.

\*Stop drilled small crack in the engine baffle behind the propeller.

Signature: Alan Desrosiers Date: 09/01/2016, W/O: 16238

Autumn A	ir Services.	557 Craw	ford St. Fitchburg	. MA 01420	(978) 343-5727
)ate:	10-19-2016	N	N531SR	Hrs.:	FLT HOBBS: 3566.5
ech:	Jeff Hill	A&P:	3207556	Sign:	h Majori
<ol> <li>Remove</li> <li>Took sa</li> <li>Washee</li> <li>Run up</li> <li>The sys</li> </ol>	ed oil and filled with: Ped and inspected oil fil- ample. d engine. and leak checked. No stems affected were op	Phillips X/C. ter (i/a/w SI14 disc noted. erationally tes	sted with no discre	pancies noted.	Replaced with: aa48108-2.
r. All Wor	k was performed i/a/w	manufacturer	r's service instruct	ions and AC43.1	3.1D. End
  	SUNCOAST	GENTER	224 / Veni	coast Maintenan Airport Ave. Eas ce, Fl. 34285 484-6546	
I	FLT HOBBS: 3604.9 HOBBS: 4010.2 TENG: 1594.4 TSMOH: 315.3 DATE: 1/20/17		ENGINE LOG		
P ir a R L n cl	Performed 100 hr insper Opened and closed cow Performed compression Inspected and gapped so and installed new hardw Peplaced EGT #2 Cyl. Fubricate controls. Draine we part. Drained and so Precised engine. Operate	vling. Complied check: #1 72 park plugs. Chere Replaced bolt and oil screen erviced engine ional check and	I with AD research #2 71 #3 72 #4 70 necked Magneto tird rocker cover gas and bushing on independent out filter, no me with oil Phillips 20	to 2017/01 biwe #5 65 and #6 70 ming. Readjust L kets (#1, #2[left], luction alternate letals noted Rep Dw50 (80ts), Ran	ekly issuance. 0/80. Cleaned, eft mag timing , #4, #5 and #6. air valve.

अव अवाध धांबा the छाञ्जनाठः of this document alone docs। Where the user/installer performs work in accordance with the national repula Block 1, it is essential that the user/installer ensures that his/her airworthiness a. 111 21/ 020 5/2/2017 N531SR Cirrus SR22 FLT 3668.6 Hobbs 4088.8 Changed engine oil and oil filter. Serviced with Phillips 20w50 oil. Cut open filter, found ok. moval and Directives luni 015389017 5/24/17 Cirrus SR22 S/N 2438 Flt. Time 3695.6 Hobbs 4125 Removed and replaced engine driven fuel pump assembly P/N 655921-6, S/N B07KA194 Overhauled assembly. Check fuel pressures as per Teledyne Continental SID 97-3C. A Klini 015389017 utumn Air Services. 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727 6-23-2017 N531SR Hrs.: FLT HOBBS: 3703.9 Jeff Hill A&P: 3207556IA Sign escription of Work: Engine Tach: 3703.9, SMOH: 414.3, Prop SMOH: 414.3. Compression test: 1) 73 2) 72 3) 72 4) 73 5) 70 6) 72 over 80 PSI. Changed oil and filled with: Phillips X/C. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2. Took oil sample. Cleaned, gapped and inspected spark plugs, installed with new gaskets. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws. Checked magneto timing as needed. Checked unmetered fuel pressures. Washed engine, run up and leak checked. NO disc noted. The systems affected were operationally tested with no discrepancies noted. 12. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in airworthy condition. Cornerstone Aviation 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727 FLT HOBBS: 3775.9 9-6-2017 N N531SR Hrs.: Date: Jeff Hill A&P: 3207556 Sign: Tech: Description of Work: Engine Tach: 3775.9, SMOH: 486.3. Changed oil and filled with: Phillips X/C. 2 Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2. 3. Took oil sample. 4. 5. Washed engine. 6. Run up and leak checked. The systems affected were operationally tested with no discrepancies noted. 7. End All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.

lantity: Cornerstone Aviation 557 Crawfo Date: 9-30-2017 36108 Tech: Jeff Hill A&P 32 Description of Work: 10. Engi Tach: 3803.4, SMOH: 513.8, Prop SMOH: 513.8. 1. H-R010727 Compression test: 1) 72 2) 72 3) 68 4) 72 5) 68 6 Changed oil and filled with: Phillips X/C. Serial Number: Removed and inspected oil filter (i/a/w SI1492 PQ1383CE-D 5. Сŧ Cleaned, gapped and inspected spark plugs, it Cleaned the injector nozzles. Lubed engine co Removed magnetos P/N 10-500556-1, S/N LH: L Installed Overhauled magnetos from Quality LH P/N, 10-500556-1, S/N D02HA115, LH P/N, 10 new gaskets and locking hardware. Next 500H 9. Checked engine un-metered fuel pressures. No 10. Run up and leak checked. 11. Washed engine. 5. Work ( Number: 12. The systems affected were operationally teste H-R010727 13. All work was performed i/a/w manufacturer's Work Order/Contract/Invoice I certify that this Engine has been inspected it airworthy condition. End Status/Work: M952780 Cornerstone Aviation. 557 Crawf Date: 10-20-2017 N Tech: Jeff Hill A&P 32 Description of Work: Eng Changed oil and filled with: Phillips X/C. Removed and inspected oil filter (i/a/w SI149 3. Took oil sample. 4 Removed defective starter P/N C24ST5, S/N: Installed new starter P/N C24ST5, S/N: H-R01 The systems affected were operationally test 6. All work was performed i/a/w manufacturer's Cornerstone Aviation. (978) 343-5727 557 Crawford St. Fitchburg, MA 01420 Date: 12-29-2017 N531SR Hrs.: T HOBBS: 3904.7 Tech: Jeff Hill A&P: 3207556IA Description of Work: **Engine Annual 2017** 1. Tach: 3904.7, SMOH: 615.1, Prop SMOH: 615.1. 2. Compression test: 1) 72 2) 68 3) 68 4) 73 5) 67 6) 70 over 80 PSI. Metered orifice 46/80. 3. Changed oil and filled with: Phillips X/C. 4. Took oil sample. 5. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2. Cleaned, gapped and inspected spark plugs, installed with new gaskets. 7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws. 8. Checked magneto timing. Checked unmetered fuel pressures. Performed Alternator #1 inspection. Next due FLT HOBBS: 4404.7 Run up and leak checked.

12. The systems affected were operationally tested with no discrepancies noted.

13. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.

14. <u>I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in airworthy condition.</u> End

 Cornerstone Aviation.
 557 Crawford St. Fitchburg, MA 01420
 (978) 343-5727

 Date:
 4-11-2018
 N
 N531SR
 FLT HOBBS: 3959.8

 Tech:
 Jeff Hill
 A&P:
 3207556
 Sign:

 Description of Work:
 Engine

1. Changed oil and filled with: Phillips X/C.

2. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.

3. Took oil sample.

4. Performed 500HR inspection on alternator #1, inspected brushes and drive coupling. No disc noted. Reinstalled using new gasket P/N 653981 and locking hardware.

5. Run up and leak checked. No disc noted.

6. The systems affected were operationally tested with no discrepancies noted.

7. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End

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	rnerst	tone Aviation.	11	557 Cm	amfand St. Fital	- h 354	01400		(070	0.10. ====		-
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Tec		Jeff Hill	A8	&P:	3207556IA	Sign:	//	Kar	hi	0.0		es,
— Des rrie	criptio	n of Work:			Engine Annual	2018	////					$\Box$
1.	Tach:	4006.9, SMOH: 7	17.3. Prop !	SMOH: 7	17.3							. 1
2.	Comp	pression test: 1) 7:	2 2) 64 3) 64	4 4) 71 5)	62 6) 70 over 8	0 PSI. Met	ered or	ifice 44	/80.			
3.	Chan	ged oil and filled	with: Phil	lips X/C.								
4.	Remo	oved and inspecte oil sample.	d oil filter	(i/a/w Sl	(1492b) with no	contamir	ants no	ted. Re	placed	with: AA4	18108-2.	
5. 6.		ned, gapped and i	nspected s	nark nlu	os installed w	ith new as	sekate					
7.	Clear	ned the injector n	iozzles. Lul	bed engi	ne controls. Tis	ghtened h	ose clan	aps and	l rocker	cover sc	rews.	
8.	Remo	oved defective sta	arter P/N C	24ST5, S	/N H-R010727.							
9. 10.	. Chec	lled new starter l ked magneto tim	ing.	5, S/N 4C	5-271636. Ops (	checked go	ood.					
		ked unmetered fi		es as ne	eded.							-
		up and leak chec	ked.									
13.		ed engine. systems affected v	Word ones	4: a.u. a 11	44-3	3.						
	. All w	ork was perform	ed i/a/w ma	anufactu	rer's service ir	discrepai	cies no	ted.	1 R			_
16.	. <u>I cert</u>	ify that this Engi	ne has bee	n inspec	ted i/a/w an An	nual/100E	IR inspe	ection of	ind dete	rmined to	o be in	
	<u>airwe</u>	orthy condition.	. E	nd								
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		stone Aviatio			Crawford St. F					978) 343-5	5727	
	ate:	6/11/2018 Jeff Hill	_	N A & D.	N531SR	Hrs		FLT H	OBBS:	4052.2		
	ech: Descrip	otion of Work:		A&P:	3207556IA Engine Pro	Sig				hul		
'	Descrip	tion of work.			Engine Pro	gressive .	rnase i	/////	W'//	- / /		
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1		anged oil and fil										
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2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2. Con 3. Cha 4. Ren 6. Too 6. Cle 7. Cle 8. Adj 9. Che 10. Wa 11. The 112. All 113. Ice 114. Corner 115. Cech: 116. Corner 117. Corner 118. Corner 11	anged oil and fille moved and inspector of which is ample. It is an ed, gapped an aned the injector of the control of the cont	of 72 2) 67 3) ed with: Pleted oil file dinspected received a rozzles. I iming as new discondition.  on.  on.  H: 869.2, Prelied with: I ected oil file	d spark tubed er eeded. ssures. erationa manufacteen insp	E: 815.6.  5) 60 6) 66 ove (C.  SI1492b) with plugs, installed gine controls.  Illy tested with cturer's service ected i/a/w Cir End  Crawford St.  N531SR 3207556L Engine Phi H: 869.2. K/C. w SI1492b) with	r 80 PSI. I no contait d with never Tightener no discrete instruct rus Program Fitchburg A Sase III	Metered minants v gaske d hose pancies ions and ressive i	s noted ts. clamps a noted d AC43 nspecti	and ro	(978) 34 S: 4158.8	er screws d determ 3-5727	ined
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2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2. Con 3. Cha 4. Ren 5. Too 5. Cle 7. Cle 8. Adj 9. Che 10. Wa 11. The 2 to 1 2 Cescrip 1. Ta 2. Ch 3. Re 4. W 5. Th	inpression test: 1) anged oil and fill moved and inspector of oil sample. aned, gapped an aned the injector susted magneto to susted magneto to susted magneto to susted engine. The systems affecte work was perfor sertify that this Engler in airworthy co susted in airworthy co susted in airworthy co susted magneto in airworthy co susted in air	on 72 2) 67 3) ed with: Pleted oil file dinspecter rozzles. I iming as new difference of the condition.  On.  On.  On.  On.  On.  On.  On.	d spark the control of the control o	E: 815.6.  5) 60 6) 66 ove (C. SI1492b) with plugs, installed agine controls.  Illy tested with cturer's service pected i/a/w Cir End  Crawford St.  N531SR 3207556L Engine Phil H: 869.2. K/C. w SI1492b) with cked. ally tested with	r 80 PSI. I no contait d with nev Tightene no discre e instruct rus Progr  H A S ase III ch no cont h no discr	Metered minants v gaske d hose pancies ions and essive i g, MA 01 rs.:	s noted ts. clamps anoted d AC43 nspection FLT	. Replace and ro	(978) 34 S: 4158.8	er screws d determ 3-5727	ined
2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2. Con 3. Cha 4. Ren 5. Too 6. Cle 7. Cle 8. Adj 8. Adj 8. Che 10. Wa 11. The 12. All 13. Ice 10. Corne 10. Corne 11. Ta 2. Cl 3. Re 4. W 5. Th 6. Al	inpression test: 1) anged oil and fille moved and inspector ok oil sample. aned, gapped an aned the injector insted magneto to ecked un-metere shed engine. e systems affecte work was perfor ertify that this Enterior be in airworthy control T/29/20 Jeff Hi tion of Work:  ach: 4158.8, SMOH manged oil and fille emoved and inspector ashed engine. Ru ashed engine. Ru he systems affect	on 72 2) 67 3) ed with: Pleted oil file dinspecter rozzles. I iming as new difference of the result	d spark ter (i/a/w d spark tubed er eeded. ssures. erationa manufaction institution in the second in	i: 815.6. 5) 60 6) 66 ove C. SI1492b) with plugs, installed agine controls.  Illy tested with cturer's service ected Va/w Cir End  Crawford St.  N531SR 3207556L Engine Photo H: 869.2. K/C. w SI1492b) with cturer's service cked. ally tested with	r 80 PSI. I no contain d with new Tightene no discre e instruct rus Progr  H A S ase III h no cont h no discre	Metered minants v gaske d hose pancies ions and essive i g., MA 01 rs.: Sign:	s noted ts. clamps anoted d AC43 nspection FLT ts note es note es note end AC4	. Replace and rose an	(978) 34 S: 4158.8	d determ 3-5727 h: AA4810	ined
2 3 4 4 5 6 6 7 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2. Cond. 3. Cha 4. Ren. 5. Tooo. 6. Cle 7. Cle 8. Adj 9. Che 10. Wa 11. The 12. All 13. Ice 10. Va 14. V 5. Th 6. Al 7. I	inpression test: 1) anged oil and fill moved and inspector of oil sample. aned, gapped an aned the injector susted magneto to susted magneto to susted magneto to susted engine. The systems affecte work was perfor sertify that this Engler in airworthy co susted in airworthy co susted in airworthy co susted magneto in airworthy co susted in air	on 72 2) 67 3) ed with: Pleted oil file dinspecter rozzles. I iming as new difference of the file dinspected oil file dinspect	d spark ter (i/a/w d spark tubed er eeded. ssures. erationa manufaction institution in the second in	i: 815.6. 5) 60 6) 66 ove C. SI1492b) with plugs, installed gine controls.  Illy tested with cturer's service ected i/a/w Cir End  Crawford St.  N531SR 3207556L Engine Photo H: 869.2. K/C. w SI1492b) with cturer's service cked. ally tested with acturer's service spected i/a/w Cir cked.	r 80 PSI. I no contain d with new Tightene no discre e instruct rus Progr  H A S ase III h no cont h no discre	Metered minants v gaske d hose pancies ions and essive i g., MA 01 rs.: Sign:	s noted ts. clamps anoted d AC43 nspection FLT ts note es note es note end AC4	. Replace and rose an	(978) 34 S: 4158.8	d determ 3-5727 h: AA4810	ined

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Ti

	ů)	Corr Date:	ierste	ne Avia	tion.	5	57 Craw	ford St. Fitch	burg, MA 0142	20 (97	(8) 343-5727	
4		Tech:		Jeff	72018 Hill	N A&P	N	V581CD	Hrs.:	FLT HOBBS: 4	204.0	
		Des	criptio	n of Work	:	Acer		207556IA	Sign: essive Phase II	Mark	M	[41]
	1	1.				_			ssive i hase ii			ird
		2.	Comp	4204.0, SA	MOH: 914.4	, Prop SN	MOH: 914	1.4.				
	J i	3.		seu on an	a iillea wii	h: Philli	ns X/(`			l orifice 44/80.		and '
4	1	4. 5.	Remo	ved and in	nspected o	il filter (i	Ja/w SI1	492b) with no	contaminants	s noted. Replace	d with: AA48108-	2. ves,
Y		6.	AOOR	on sample	е.							
10.0	Can	7.	CACHI	cu the ini	ector nozz	les. Lube	dengine	s, installed w	ith new gaske	ts. clamps and rocl	ker cover screws.	
W	-	. 0,	Laujus	reu magn	eto timino	as neede	d		girtened nose	ciampo ana roo.		
, 0	2	10.	wash	ed engine	etered fuel							
δ', 3		11.	The s	ystems aff	fected wer	e operati	onally te	ested with no	discrepancies	noted.		
034											1 Johannii	ned
085	_		200111	Ly inui in	thy conditi	nas been	inspecte	<i>d i∕a/w Cirrus</i> End	s Progressive i	nspection PHAS	E II and determin	7.
9(1)				Senta		COTO			-			
					1	10/-0	749	1023,		HI.	320755	7
	1							E			1	177
								-210				1 02
	-											
	Th	is is to	certify	that the	engine de	scribed	hereafte	r has been to	orn down, clos	aned and inspe	otod	
	1.0.		COLLEG	I I I I I I I I I I I I I I I I I I I	and replac	e prokei	n cranke	haft gear hol	te Pagecom	blad anging wit	h all now	
	1	3	20110	aria acvic	, All Hew	main an	a roa be	aringe ac W	all ac all now	coole looke and	anckoto	
	1	- ,	0.0	i c i lolled	and new	HINGS INS	talled M	lage hanch t	acted and rain	actallad as rame	avad	
	1		OVCIII	uuicu sta	itel adapt	er subbii	ed by ci	istomer All	other access	orioc rainctallad	ac removed	
	11	P 01.1011	Harrot	mapectic	Jiliuli was	s conauc	ted in a	precision to	et call and thic	angina moate	all .	
	laes	sign cr	iteria.	A descri	ption of al	l work pe	erformed	is on file at	this agency.	AMO# 6-96		3
	MA		TCN									
	11	DEL		550-N			W.O.					L
	11		# 100-E				T.S.(					-
	100	, (I) (L)	100	0937			T.T.	Unkno	own			-
	H			-					AEDO1	TEC ENGINES	LIMITED	
	1	-	4	-			7			ndgate Drive	LIMITED	
	1	E	n	gir	n e s	Li	mi	ted		Bank, NS, B40	3.046	
	The	mainter	nance d	escribed ab	ove has bee	en perform	ed in			3-3100	3 07 10	
	acco	ordance	with the	applicable	standards o	of airworthi	ness.	•	/	^		
					///11	111.		1) a	1,00	/1	.\	
	Aut	horize	d Sigr	nature 💆	<u> </u>	MW	, Date	Uc711	D Lic. Sta	mp ZAE		
					.0							1
	No	te: Ne	w ring	gs in all	cylinders	. Engine	must b	e run with a	an approved	mineral oil		
		iori	ine ne	xt 50 no	urs.						<b> </b>	
		100	LL is t	he only	gas reco	mmende	ed for th	is engine.	1.4			
								_	(F), 44 (10)			
			1	E	23				AERO	TEC ENGINES	LIMITED	
		=				-		_		indgate Drive		
			- 11	gin	es	L 1	m i	ted		Bank, NS, B4	G 0A6	
	-	800							T. M. M.			
	10	f17	118	FLT	401651	4211	22	SMOH 9	20,6			
			0	,,,,,						A A		
1					KEIN	STalle	d E	19112 0	ctter Re	Pair BY F	geroTec En	gines
10/17					6100.7	zd A	CINSTE	yled All	ASSOCIA	TEN AM-	SORIES. R	enstelled
10,												
					prope	1100,	Kun	UP AND	leak CI	rcked,	NO disco	1876.
					cherk.	ed 154	-met	told Ga	1 Passon	10.1.	c, NOTES	
					77/10/12	0	1	100	100000	- 710 40	M ,	
									,		3 / Hm 3	207556
								F	nd C	HI		MI )
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												0.4
												21

1	Corners	11/5/2018	N	N531SR	Hrs.:	PLI HODDS	
7 [	Corne:		A&P:	3207556IA	Sign:	Mamma	and
- /	- In a	Jeff Hill	Act:	Engine	1		/es,
Fi	Tech: Description	n of Work:		~	/"/		
1. *			o a Dron SMO	H: 930.3.	-		
-1	1. Tach:	4219.9, SMOH: 93	0.3, Prop SMO	5 5) 76 6) 74 over 80	PSI.		
	2. Comp	ression test: 1) 76	2) 10 0) 14 4) 1	5 5) 76 6) 74 over 80		La Danlace	d with: AA48108-2.
	3. Chan	ged oil and filled	With: Philips 2	S11492b) with no	contaminar	its noted. Replace	
	4. Remo	ved and inspecte	d off fifter (Par	or reinstallation.			
	5 Perto	rmed luni engine	mspectron	1 '41	dicarenanci	es noteu.	End
	6. The s	ystems affected w	ere operations	er reinstallation. Illy tested with no cturer's service in	structions a	nd AC43.13.1D.	
	7. All we	ork was performe	ed 1/a/w manuia	Cturer 5 555			
1							7.7.2.2.2.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7
				57 Crawford St. Fi	tchburg, MA	01420	(978) 343-5727
	Corner	stone Aviation		57 Crawiord St. 17	Hrs.:	FLT HOBB	S: 4253.3
-	Date:	4/25/19	N	N531SR	Sign:	111	
-	Tech:	Jeff Hill	A&P	3207556IA		Sign John	1-
_	Decinti	on of Work:		Engine Phas	e II		i l
						•	11
	-	h: 4253.3, SMOH:	963.7. Prop SM	OH: 963.7. 176 5) 72 6) 75 over 11 15w50.	DOT M	and orifice read	ing 44/80
					r 80 PSI. Me	tered offfice read	1-
	2. Con	ipression test. 1)	d with Aerosh	ell 15w50.		t stad Ranl	aced with: AA48108-2.
	<ol><li>Cha</li></ol>	nged oil and life	tod oil filter (i/	a/w SI1492b) with	no contami	ants noted. Repr	1
	4. Ren	noved and inspec	ted our mitter (b			-	aced with: AA48108-2.
	5. Too	k oil sample.	limagtad and	rk plugs, installed Lengine controls.	with new g	askets.	endror cover screws.
	- 6. Clea	aned, gapped and	inspected spa	l ongine controls.	Tightened l	iose clamps and i	ocker cover screws.
	- Clas	aned the injector	nozzies. Eubec				11
	- e Rer	aned the injector placed crankshaft	seal with new	CALDE DOADAD	62R, LH D03	DA006.	u llad using new
	o. Der	noved magnetos	P/N 10-500556-1	P/N 641250. , S/N RH, D04DA0 10-500556-1, S/N F	RHD05KA108	3, LH D01KA057.	nstalled using new
	- T	Lallad avernamed	magnetoo				
	10. Ins	talled overhauled kets and locking	hardware. Tim	ed to engine.	disamana	ncies noted.	Н
	gas	kets and locking	in a section	nally tested with	no discrepa	IICles Hotel	
	11. The	systems affected	med i/a/w manı	onally tested with nfacturer's service <u>n inspected i/a/w a</u> ition. End.	instruction	V V and Annual	inspection and
	12. All	work was perior	NCINE has been	n inspected i/a/w a	<u>n Phase II, I</u>	V, V ana minima	
	13. <u>I c</u>	ertify that this El	' wantha cond	ition. End.			ı.
	det	ertify that this El ermined to be in (	airworing cona	1			
	1 .			557 Crawford St. I	Sitchburg, M	[A 01420	(978) 343-5727
	Cornel	rstone Aviatio	n	557 Crawtoru St. 1	Hrs.:	FLT HOBBS	8: 4312.1
		6/18/2019	N	N531SR		111.0	n/m
	Date:	Jeff Hill	A&P:	3207556	Sign:		7111
	Tech:			Engine Pro	gressive Pha	ase I	4
	Descrip	tion of Work:		26		///	ž
			~ ~ (	MOH. 1022 5			
	1. Ta	ch: 4312.1, SMOH	[: 1022.5, Prop	SMOH: 1022.0.			4 4 4 4 9 1 0 8 9
	- 2. Ch	anged oil and fill	led with: Philli	ps X/U.	no contam	inants noted. Rej	placed with: AA48108-2.
	2. D	moved and inspe	cted oil filter (	i/a/w S11492b) with			1
	3. Re	ok oil sample					
	- ***	-lad ongine					1
	5. Wa	ashed engine. In up and leak ch	ecked, no disc	noted.		naine noted	
	– 6. Ru	in up and leak ch	d were operati	onally tested with	no discrepa	incles noted.	3 1
	7. Th	e systems affecte	mod ilalu man	noted. onally tested with ufacturer's servic <i>inspected i/a/w Cir</i>	e instruction	ns and At 40.10.1	D. HASE I and determined
	— 8. Al	l work was perfor	med Daw man	inspected i/a/w Cir	rus Progres	sive inspection P	THOU I WILL STEEL
	0 10	artify that this El	igine nas ocen	End			J
	- $to$	be in airworthy c	ondition.	DII.			
	30	1 *					(050) 942 5797
				57 Crawford St. F	itchburg M.	A 01420	(978) 343-5727
	1	1 Arriotion	1 5	57 Crawford St. F	TI	FLT HOBI	SS: 4360.8
	Corner	stone Aviation	3.7	N531SR	1115	///	ahe
	Date:	7/30/2019		2207556	Sign		1747
	Took	Jeff Hill	A&P	Engine Pro	gressive Ph	ase II	a
	Decerin	otion of Work:		Dilgino 1 20	_	//"	
	Descrip	JULUII OI TIOLE					
	-	ch: 4360.8, SMOH	1071.2, Prop S	MOH: 1071.2.	- en DSI M	etered orifice 44/	80.
	1. Ta	cn: 4300.0, SMIOII	72 2) 70 3) 68 4	(a) 68 5) 72 6) 72 ove	er ou F.51. M		, , , , , , , , , , , , ,
	- 2. Co	mpression test: 1	od with Phillir	MOH: 1071.2. () 68 5) 72 6) 72 ove () X/C.		nants noted Rei	placed with: AA48108-2.
	3. Ch	anged oil and fill	eu with, i mili	/a/w SI1492b) with	no contam	mants noted. Ho	
	- 4. Re	moved and inspe	ctea on mer (1	100 11 00 === 1		•	-
	5. To	ok oil sample.		ark plugs, installed d engine controls.	d with new	gaskets.	rocker cover screws.
	- 6. Cl	eaned, gapped an	d inspected sp	erk plugs, installe	Tightened	hose clamps and	TOCKET CO. C.
	7 (1	coned the injecto	I HOLLICS. Las		11911011		
							_
	8. Ac	necked un-metere	d fuel pressure	S			-
	9. CI	neckea un-metere	w rect brooms			-inc moted	
	10. W	ashed engine.	James anamati	onally tested with	no discrepa	ancies notea.	R
	11. T	he systems affecte	d were operati	onally tested with ufacturer's servic <i>inspected i/a/w Cii</i>	e instruction	ns and AC43.13.1	B. HASE II and determined
	12. A	ll work was perfor	rmed i/a/w man	uracturer's service	rus Progres	sive inspection P	HASE II and dece.
	12 /	certur that this E	iguite mad do	inspected va/w Cii	I do I log. oc		
	- to.	be in airworthy c	condition.	End			
	1		1 1				

Date:	ne Aviation. 9/9/2019	557 C N	Crawford St. Fitch	hburg, MA 0	01420	(978) 343-5727	cor
Tech:	Jeff Hill	A&P:	N531SR 3207556	Hrs.:	FLT HOBI		
Description			Engine Phase	Sign:	(Me Albert	2/	——dal ar
1. Tach: 44	111.3, SMOH: 1121.7	7. Prop SMOV		///	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ective
2. Change	d oil and filled with	h: Philling X/	l: 1121.7.				
4. Washed	d and inspected oi	l filter (i/a/w s	SI1492b) with				
5. The syst	d and inspected oil engine. Run up an ems affected were	d leak checke	ed.	contaminar	nts noted. Rep	laced with: AA4810	08-2.
6. All work	Was norfe	operationally	tested with no d	licarononai			
7. <u>I certify</u>	that this Engine h	as been inspe	rer's service inst	tructions ar	nd AC43.13.1B		
determin	that this Engine hed to be in airwort	hy condition.	F.	<i>Progressive</i> nd	inspection PI	HASE~III~and	
		L	· 1				1
Corners	tone Aviation.	11	13 Perimeter Rd	Nashua, NF	H 03063		
Date:	3/25/2020	N	N531SR	Hrs.:	FLT HO	BBS: 4462.6	
Tech: Description	Jeff Hill	A&P:	3207556 Engine Pro	Sign:	oso II		
_  Descriptio	n of work:		Engine Pro	gressive ru	lase II // /		1
_ 1. Tach:	4462.6, <b>SMOH:</b> 11	73.0 <b>, Prop SM</b>	IOH: 1173.0.		//-	1000000	
	ression test: 1) 78			er 80 PSI. M	letered orifice	46/80.	
- 3. Chan	ged oil and filled v ved and inspected	with: Phillips	X/C.		inanta notad	Replaced with: A	A48108-2.
4. Remo	ved and inspected oil sample.	l oil filter (1/a	/w S11492b) with	no contam	unants noted.	першеси пр	
6 Clean	ed ganned and in	spected spar	k plugs, installed	l with new	gaskets.		
7. Clean	ed the injector no	zzles. Lubed	engine controls.	Tightened	hose clamps	and rocker cover	screws.
8. Adjus	ted magneto timir	ıg as needed.					
9. Perfor	med ALT #1 500h	r inspection.	No disc noted.				
11. Washe	red un-metered fu	el pressures.					
12. The sy	stems affected we	ere operation	ally tested with	no discrepa	ancies noted.		
- 40 A11	1 0 1			:	no and AC43 1	3.1B.	ANNIIAI.
14. I certi	rk was performed fy that this Engine	e has been ins	spected i/a/w Cirr	rus Progres	sive inspectio	n PHASE II, IV, V,	HIVIOLES
and de	<u>etermined to be in</u>	airworthy co	ndition.	End			
1							1
.			<u> </u>				
.		13.00					
-	wo: AX001379		AIR READ		Engine - page 1	of 1	
	wo: AX001379		AIR DEAR		Engine page 1	of 1	
	wo: AX001379	Air Bear Aviation, Inc.	AVIATION	01923 (978) 914-3138	Engine page 1	of 1	
	N531SR		AIR BEAR AVIATION 191 Old Burley Sireet Danvers, MA I, IO550N47B, S/N: 1008		Engine page 1		
	N531SR TACH: 4497.0	Continental ETT:	AVIATION 191 Old Burley Street Danvers, MA 1, 10550N47B, S/N: 1008 1208.0	957	March 1, 202	1	
	N531SR TACH: 4497.0 1. Complied with a	Continental ETT: In annual inspection	AVIATION 191 Old Burley Street Darwers, MA 1, 10550N47B, S/N: 1008 1108: 1208.0	957 Cirrus SR22 AMN	March 1, 202	1	
	N531SR TACH: 4497.0 1. Complied with a manual. Review gine and accom	Continenta ETT: an annual inspection yed ADs and check	AVIATION 191 Old Burley Street Danvers, MA 1, 10550N47B, S/N: 1008 1208.0	957 Cirrus SR22 AMN weekly issue 202	March 1, 202 March 1, 202 March 1, 202 March 1, 202	1	
	N531SR TACH: 4497.0 1. Complied with a manual. Review gine and accom #6-75.	Continental ETT: an annual inspection yed ADs and check plished a compress	IST OID BUTTER TO THE TOTAL THE	Dirrus SR22 AMM weekly issue 202 ws- #1-77, #2-75	March 1, 202 1 checklist and the M 21-04. Ground ran e 5, #3-72, #4-73, #5-7	1 ————————————————————————————————————	
	N531SR TACH: 4497.0  1. Complied with a manual. Review gine and accom #6-75.  2. Accomplished o taminants with n	Continental ETT: In annual inspection red ADs and check plished a compress il change. Drained to defects noted. In:	AVIATION  191 Old Burley Street Danvers, MA  1, 10550N47B, S/N: 1008  1 1208.0  in accordance with the Ced for compliance thru bition check results as follooil and removed oil filter stalled a new oil filter p/n	Cirrus SR22 AMM weekly issue 202 ws- #1-77, #2-75 c, cut open filter a CH48108. Servi	March 1, 202:  March	1-0 en-66,	
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	Total Time		nce Last rhaul	Engine Service and Waintenance Record
Date	Hours Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
- 4 fanyard -	<b>—</b>			
Carried forward -	Flight Hobi	5 45	36.1	Inspected engine Bor rough running condition.  Comp check #1 70/00, #2 74/00, #3 58/80 5/2. Ech  MG 65/00, #5 24/80, #6 24/80- checked mag
7/21/2021	111911			Comp check #1 70/11 to 24/
				45 65/00 # 5 27/6 W 34 34 5 80 5/2 KI
				100120; # 5 180, #6 180- checked
				timing -ob-checked spark pluge + 2
				timing -ob-checked spark plugs & ignition loads -ok No a romolies found. Amongst returned to service for work pend
				returned to service for work
				La performed.
				returned to service for work performed.  Del 13013346
	2			
	Chi hobbes			
-20-2022 45	37.3	1297.	7	PREFIRM 50 LOUR INSPECTION TIAW,
			6	SUTTINENTAL M.M. TABLE 6-28
			10	19815 6-28
			No.	PAIN ENGINE OIL, REMOVE CITTER & INSP
			u	DEBRIS NOTED - INSTALL NEW
			-	AMPIGO C/48108-1 1-11-
			P	SAMPLED CH48108-1 FILTER & 8 OTS WILLIAMS ZOW-50 OIL, SOLVENT WASK
			(4)	JGINE, Check Cyl Compressions
			/	2 3 4 5
			72	80 7/80 62/80 /80 73 64 PASS
			5.	
			722	STALL NEW INDUCTION AIR PITTER
			-//	DIT-11: Chelic mass =
			6	FT + RIGHT 22° BIDC PREFORM
			10	22 BIDC PRESER
			3	DED RIN & CEAU PLEQUE
			SE	PAGE FROM ATTERNATOR - REMOVED
			101	T PLI ES JOSZUED
			777	T P/N ES-10024 - CEMPLIED WITH
			16	M SB/1-3 + INSTALL NEW
			11	ERNATOR P/N 125-10024
			1	1 125-10024
		-	5//	U H-VIII256 - PREFORM RUN UP
			4	PS CheCK-PASS- RETURN TO
			Co	PHETURN TO
			SE	WICE FOR WORK PREFORMED
				AHR 2747418
				(1)
				U-HVERLING
	1 1			



		Total Time		" I INDITIALIT		Engine Service and mantenance						
Date		Hours	Min	Hours	Min	Record maintenance actions including engine part removinstallation and compliance with inspections, Airworthiness Directors, Special Inspections, Modifications and Service Bulletins						
	Date: 7/7/22		S	an Martin	Aviation (	Corp. M/N: IO-550-N						
	Tach: 4537.3			3025 Murj		S/N: 1008957						
,	TTE: 4537.3		S	an Martin,	CA 9504	46 TSOH: 1247.7						
1	110/01/00/00/00	. CHECKE	This eng	noe Chaol	ced air filte sidered air	ecked compression. Found#1)72/80, #2)72/80, #3)50/80, #4)63/80, ter & found Brackett filters installed in place of OEM filters. Checked rworthy for the purpose for issuing a ferry permit (special operations						
۲		-	. /									
	wo: AX002390	·	Enç	gine Mod	lel: 1055(	GN47B S/N: 1008957 TT Hobbs: 4537.8						
			Effe	ective this	e data 7	The						
-		Aviation, In	Par	t 135 Air	Carrier	This Aircraft will no longer be operating on Airdialog LLC FAA appr Certificate No. L41A034L and is now being maintained by 91.409						
	<b>N531SR</b> ETT: 4555.0	Contir Flight	Sigi	nature (	diva	and One is now being maintained by 91.409						
	<ol> <li>Complied with an a manual. Reviewed</li> </ol>	ADs an			Edward	Date: May 17, 2022 CERT # L41A0341						
	gine and accomplis #6-60.  2. Accomplished oil complished	shed a c		Ulle	ctor of Mi ialog LLC	Vaintenance						
	plished fuel system all within limits at the 4. Removed all spark new gaskets. Chec tension lead check 5. Replaced #6 CHT 6. C/W AD 20-16-11 to 7. Replaced ram air s	pressurzed in pressurze chais time. plugs and clocked magneti with no defe probe with se by compliantenance of the problem of	leaned, inspecto to engine the correction of the engine the correction of the engine of the engine run for the engine run for the correction of the engine run for th	and checked manual, unm ected, gapped timing per eng obe. Ops che intal S/B MSB	of tor leaks with the tered, meter of the tered, and gine dataplate eck good. \$18-08 Rev C	n original locations using new with no defects noted. Accomered, fuel flow, and idle mixture dreinstalled to the engine with te. Accomplished ignition high						
1		performed th	is annino is a	annroyed for r	eturn to servi	vice. Details of work performed						
1						and is found to be in airworthy						
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_	Thomas Bear A&P 26570	)47 IA	100									
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