BH

ENGINE LOG BOOK



Continental Motors, Inc.

ENGINE WARRANTY

REGISTRATION

or replacement as provided in the appropriate warranty policy. The engine owner can register on-line for free product and service information at http://continentalmotors.aero or contact a Factory Service PROGRAM REGISTRATION form. It is essential that it be properly completed and returned to CMI Warranty Department immediately. This will expedite processing of the claim should your engine require repair CORROSION AWARENESS and Representative at 1-888-826-5465 or 1-251-436-8299. WARRANTY/RUST ENGINE your

PLEASE COMPLETE AND RETAIN FOR OWNER'S RECORD

This and the control of the control	Ĺ
Owner's Name FIND PLANE CONTANY	Date Ir
Address 34730 CAKLAND	Aircraft
	Year M
City FARMING TON	Whate
State/Province M ₁	Serial #
Country_USA Postal Code 48335	Hours

Aircraft Total Hours 571).9

Model LT510 360 EB3B

Serial # 34-7870004

625.7

Tach Time

Date Installed O1/24/2019

Aircraft Model PA 34 - 200 7

What engine is being replaced?

755174R

Serial #

702

Year Manufactured | 9 7 8

1009579

Serial #

Engine ModelL 1510360 683 B

Continental Motors Internet Service contains ne Instructions for Continued Airworthiness

STM E 910 DHIBITED

179

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r this

the engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.

AVANTGARDE AVIATION, INC. RH ENGINE LOG ENTRY N47815	
01/24/2014,100 HOUR/ANNUAL INSPECTION, TACH 625.7, TOTAL TIME REMAN [0]	nd ∋s,
INSTALLED FACTORY REMAN ENGINE USING NEW LORD MOUNTS, REPLACED ALL OIL FUEL AND INSTRUMENT HOSES FWD OF FIREWALL	
OIL USED PHILLIPS 20W50M, LUBED EXHAUST SLIP JOINTS, TORQUE CHECKED ENGINE HARDWARE, SERVICED PROP DOME PSI, REPLACED AIR FILTER, CLOSED SEVERAL GAPS IN ENGINE BAFFLES, INSTALLED OIL COOLER WINTER PLATE. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION WORK ORDER #21246 JOHN F JOHNS 1519936A&I	
AVANTGARDE AVIATION, INC. RH ENGINE LOG ENTRY N47815 3/18/2014,OIL AND FILTER CHANGE, TACH 654.6,OIL USED PHILLIPS 20W50M,CUT FILTER OPEN NO METAL FOUND, COMPRESSION TEST #1 72/80, #2 72, #3 72, #4 73, #5 78 #6 70. REPLACED SHIPS EGT PROBE REUBEN HERNANDEZ A&P 3256114	;
AVANTGARDE AVIATION, INC. RH ENGINE LOG ENTRY N47815 8-28-2014,OIL AND FILTER CHANGE,TACH 702.2,OIL USED AERO SHEI 15W50,CUT FILTER OPEN NO METAL FOUND,INSTALLED NEW SHADIN FUEL FLOTTRANSDUCER P/N 68051-1, REPLACED FUEL PUMP WITH NEW FROM TCM P/N R-649368-64A1 S/B14GA176R,CLEANED FUEL SCREEN AND FLUSHED SYSTEM, JOHN F JOHNS A&P 1519936	WC
Make: Continental Motors Model: LTSIO-360-EB(3) Serial No.: 1009579 FACTORY SERVICE CENTER Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER85. The work performed as described below has been inspected in accordance with current regulations of the Federal Available of the in airport by condition with respect to the work performed.	3B
Administration and found to be in airworthy condition with respect to the work performed. Work Performed Right: Adjusted fuel injection system using data from CMI SID97-3F and the Piper PA-34-Maintenance Manual. Completed ground operational and flight checks. ——END—— Authorized Signature for Repair Station 9CER853B:	·200T

	Total	Time	Time Since Last Overhaul Engine Service and		Engine Service and Maintenance 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
Carried forward -		→			

Make: Continental Motors Model: LTSIO-360-EB(3) Serial No.: 1009579



Date: 10/29/2014 Tach Time: 747.6

FACTORY SERVICE CENTER

Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition with respect to the work performed.

Work Performed Right: Drained oil and installed new AA48108-2 filter. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Completed ground operation leak check. ——END4—

Authorized Signature for Repair Station 9CER853B:

Details of the wo	nk perior	11100 13 011	the did	CI WOIK	V V
			7,777,1	ייייר א דיי	DE AVIATION, INC
			RH I	ENGIN	E LOG ENTRY N47815
11-07-20	14,TA	CH 755	5.9,SV	WAPPEI	O SHADIN FUEL FLOW TRANSDUCER P/N
SEE YELI	AFIER JOW TA	BENCE AG.SW	APPED	K AND PRIM	OK FACTOR CONFIRMED AT 29.8 BY SHADIN —— WER VALVE TO LH ENGINE, FLUSHED FUEL
SYSTEM A	AND I	NSTAL	LED	GAMI	KIT GT360-12D S/N 24164 IAW STC#
SE094001					agh Ste
		ı naı	30202		after see
L					
			A	VANTG	ARDE AVIATION, INC.
			R	H ENG	INE LOG ENTRY N47815
					ALLED OIL COOLER WINTER PLATE.
RICIA	LD LIAV	0111 11	ar 50	J J L J 2.	
2-15-15	TACH T	ME :	790.B	ENGV	TIME SERM: 165.1 PERFORMED ANNUAL WSPECTION
	IN AC	COEDAN	CE WIT	H PIPE	DE PA 34-2007 SOLVICE MANUAL AND FAR PART 43
	APPEN	oix D.	THE F	ououi	a MAINTEN ANCE WAS POLICIEMED : COMPARESSION
	Test:	1)73/	30 2	77/80	3)74/80 4)73/80 5)75/80 6)75/80, CHANGES
	,	1 /	-	t	INSTALLOS CH48108-1 OIL FILTER AND SOLVICED
				1	MOSHELL ISWED OIL. INSPECTED OLD OIL FILTER-
					CLEANED, GADPED AND PLOTATED SDARK PLUCS, INSPECTED
					A NOWLES. INSPECTED ENGINE MOUT, FINEWALL AND
					15TO-TO-ENGINE TIMING. INSPECTED INTAKE AND

	Total	l Time	Time Si Ove	nce Last rhaul	Engine Service and Maintenance 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
Carried forward					
	Exun	IST SI	STEMS	INSPE	ETED TULGO CHALLIER, WHE PIPE AND WASTE
					TED MENETOS, VACULUI PUMP, OIL COLOR,
					WE WELTON SELVO, FUEL PUMP, PROPERLICE
					LITERNATE AIR DOOK TACH DRIVE SPANK PLUG
					EMPLIES, INSPECTED ALL ELECTIVICA, WIMING
	I .	1)	1	TOO AW LUSTMATES AN EVAINE CONTROLS.
					-UP AND LEAR CHECK. AU TEMBERTURES AND
					HED ENGINE. CHECKEN AD'S THROUGH BI-WEEKLY
					ELUCIANG AB'S DUE AT THIS TIME AND DATE.
	1	1 :			MINE HAS BUEN INSPECTED IN ACCORDANCE
	1	1		SAECTI	ON AND WAS BETERMINED TO BE IN AIRMORTHY
	CONOI	1		En	- () NL ARD 385847988 IA.
	ļ				0
6-11-15	TACHT	IME:			OVED OIL COOLDS WINTONIZATION PLATE.
	-		Teel	Sul	_ A\$P 385047900 IA.
				P	
7-27-15	TACH	TME	871	8 a	LANCIES ENGINE OIL AUS OIL FILTER INSTALLED
	NEW !	DIL FIL	TON P	W: CA	48108 -1 AND SOLVICES ENGINE WITH B QUALLY
	Apro	HELL	15~50	OIL.	INSPECTED DLA OIL GILTER - NO BIXMEDANCIES
	NOTE	0. WA	stem e	wine.	PROLOGIES ENGINE RUN-UP AND CEAR CHECK.
				Em	LE ARP 385847988 IA
AAA9109.2 filt	er. Installe omplished i	d new EGT in accorda	probe on	#6 cylind	er change, serviced engine with 8 quarts of Aeroshell 15W50 and a er. Run-up leak check okay. The work on the Aircraft/component identified t Federal Aviation Regulations and is approved for return to service. —END—
CH48108-1 filte	er. Installed e was acco	d winteriza	ition plate	on oil cod	er change, serviced engine with 8 quarts of Aeroshell 15W50 and a oler. Run-up leak check okay. The work on the Aircraft/component he current Federal Aviation Regulations and is approved for return to AP 2725134 Matt Lahti
<u> </u>					
	 				

	Tota	l Time		nce Last rhaul	Engine Service and Maintenance 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
Carried forward	1				
5-27-17	TACH	TIME:	1344	7 CH1	wars engine oil and oil filter. Installed New
	DILG	LTEAL V	/n: A	44810	8-2 AND SOLVICED ENGINE WITH BOUNTS
	AENO	HELL	15ust	OIL.	MISPECTED DUD OIL GITTEL - NO DISCREPANCIES
					E RW-UP AND LEAK CHECK. ALL TEMPERATURES
	AND P.	LESSUR	es no	eme.	ADJUSTED OIL ANGESME RELIEF VALVE.
				20	A4P 385847988 IA.
8-1-17	TACH	TIME:	138Z	.8 CH	maes thank oil the oil titel. Installed now
					8-1 AND SERVICED ENGINE WITH BOUNTS
	1				species old al filter-no disinerancies notes.
					TWO GNAWE RUNDP. ALL TEMPERATURES AND
	1 1		1 1		ected on Inessure Nevel Value. Acousted
				ief v	
					2-11 MAP 385847988 Id.
09/16/2017	7 Right t				2-5 L MAP 385847988 IA.
Drained CH48108- Grego 12/ 11/201 Drained	7 Right to and serving E. Sm 1. Inspectory E. Sm 1. Tight dand serving E. Sm	tach: 15	gine oil r and fo 9544480 503.5 ngine oi	und clea IA IA I with 8	qts of Aeroshell 15W50. Replaced oil filter with a qts of Aeroshell 15W50. Replaced oil filter with a
Drained CH48108- Grego 12/ 11/201	7 Right to and serving E. Sm 17 Right do and serving E. Inspect	teed engined filter ith 360 tach: 150 tach: 150 teed filter ited filter	gine oil r and fo 9544480 503.5 ngine oil	und clea IA IA I with 8	qts of Aeroshell 15W50. Replaced oil filter with a
Drained CH48108- Grego 12/11/201 Drained CH48108-	7 Right to and serving E. Sm 17 Right do and serving E. Inspect	teed engined filter ith 360 tach: 150 tach: 150 teed filter ited filter	gine oil r and fo 9544480 503.5 ngine oil	und clea IA IA I with 8	qts of Aeroshell 15W50. Replaced oil filter with a qts of Aeroshell 15W50. Replaced oil filter with a
Drained CH48108- Grego 12/ 11/201 Drained CH48108- Gregory E	7 Right to and serving E. Sm. 17 Right do and serving I. Inspect C. Smith	tach: 15 viced eng	gine oil r and fo 9544480 503.5 ngine oil er and fo	und clea IA IA I with 8	qts of Aeroshell 15W50. Replaced oil filter with a qts of Aeroshell 15W50. Replaced oil filter with a
Drained CH48108-Gregory E 2/14/2018	7 Right to and serving E. Smith Right to and serving E. Smith	tach: 15 viced eng tach: 15 viced er ted filte 369544 ch: 1549 ced eng filter an	gine oil r and fo 9544480 503.5 rigine oil r and fo 480 IA	und clear O IA I with 8 pund cle	qts of Aeroshell 15W50. Replaced oil filter with a qts of Aeroshell 15W50. Replaced oil filter with a
Drained CH48108- Grego 12/ 11/201 Drained CH48108- Gregory E 2/14/2018 Drained 48108-2. In	7 Right to and serving E. Smith Right tages and serving E. Smith Right tages and serving E. Smith	tach: 15 viced engented filte 369544 ch: 1549 ced engented filter angented fil	gine oil r and fo 9544480 503.5 rigine oil r and fo 480 IA	with 8 quickens.	qts of Aeroshell 15W50. Replaced oil filter with a an. Gregory Estath an. Gregory Estath qts of Aeroshell 15W50. Replaced oil filter with a an. Gregory Estath and Estate and
Drained CH48108-Gregory E 2/14/2018 Drained 48108-2. In Gregory E.	7 Right to and serving E. Smith Right tack and serving and serving spected in Smith	tach: 15 viced engented filte 369544 ced engented filter angented engented	gine oil r and fo 9544480 503.5 ngine oil r and fo 480 IA	with 8 quickens.	ets of Aeroshell 15W50. Replaced oil filter with a an. qts of Aeroshell 15W50. Replaced oil filter with a an. Except South ets of Aeroshell 15W50. Replaced oil filter with a AA- Except South Them: 951.6 Performed Amure Wifestern W
Drained CH48108-Gregory E 2/14/2018 Drained 48108-2. In Gregory E.	Right to and serving E. Smith TACH TO Accord	tach: 1549 ch: 1549 ch: 1549 che ang filter an 369544	gine oil rand fo 9544480 503.5 rigine oil rand fo 480 IA	with 8 quelclean.	ats of Aeroshell 15W50. Replaced oil filter with a an. an. Sugger Smith qts of Aeroshell 15W50. Replaced oil filter with a an. an. Sugger Smith ts of Aeroshell 15W50. Replaced oil filter with a AA- Sugger Smith Them: 951.6 Performs Amure Mispectum W 34-2007 Service marks and Gr. Part 43 A Mendix D
Drained CH48108-Gregory E 2/14/2018 Drained 48108-2. In Gregory E.	Right to and serving E. Smith Right tack and serving E. Smith Right tack and serving E. Smith TACK TO Accord	tach: 15 viced eng tach: 15 viced er ted filte 369544 ced eng filter an 869544	gine oil r and fo 9544480 503.5 ngine oil er and fo 480 IA	with 8 quicken.	ats of Aeroshell 15W50. Replaced oil filter with a am. Suggery Essential qts of Aeroshell 15W50. Replaced oil filter with a an. Suggery Essential an. Suggery Essential ts of Aeroshell 15W50. Replaced oil filter with a AA- Essential Them: 951.6 Performs Amuel we section w 34-2007 Service marke and Gr. Part 43 A Merdix p and Addisance: Compression test: 1)75/60 2)75/60
Drained CH48108-Gregory E 2/14/2018 Drained 48108-2. In Gregory E.	Right to and serving E. Smith Right tag and serving E. Smith Right tag and serving E. Smith TACK TO Accord 3)70/6	tach: 15 viced eng tach: 15 viced er ted filte 369544 ch: 1549 ced eng filter an 869544	gine oil rand fo 9544480 1603.5 ngine oil rand fo 480 IA	with 8 quicken.	qts of Aeroshell 15W50. Replaced oil filter with a an. Gregory Estath an. Gregory Estath qts of Aeroshell 15W50. Replaced oil filter with a an. Gregory Estath and Estate and

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	Tota	Total Time		ince Last erhaul	Engine Service and Maintenance Record		
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal a installation and compliance with inspections, Airworthiness Directive Special Inspections, Modifications and Service Bulletins		
arried forward	arried forward —						
	CLEMOS GARD		POS A	wes a	ED SPANK PLUGS. CLEMED AND INSPECTED FUEL INJECT		
			1	1	NEATED AIR GUTDL. INSPECTED ENGINE MOUT, FIRE		
					TURO MAGNETO-TO-ENGINE TIMING. INSPECTED INTAK		
					MSPECTED TURSO CHARGE, WHE PIPE AND WASTEGE		
	[rispec	100 M	uneto	s, VACC	rm AUMP, AIR BUX, ALTOWATE AIR DOOR, STARTER,		
					, FUEL WORCOM SERVO, FUEL AVMA PROPERSICONOMIC		
					LOARAS AND CHLWOOL ASSEMBLES. INSPECTED ALL		
	1	1	1	1	WID LIVES. INSPECTED OND LUBRICATED ALL ENGINE		
	I .			1	ANG PLIN-UP AND LEAR CHECK. WASHED ENOUG. AL		
	1	1	1	ı	LES NORMAL. CHECKED AN'S THROUGH BI-LIEBLY		
		I	4	1	BELVARING ADIS DUE AT THIS TIME AND DATE.		
		1	ı	1	ING HAS BEEN INSPECTED IN ACCORDINGS WITH AN		
	i	i	Į.	1	WAS DETERMINED TO BE IN AIRWORTH CONDITI		
				9	The AST 385847988 IA.		
				4			
5-18-18	TACH	ime:	1626.2	INS	TALLES NEVLY OVERLYNED ALTERNATOR PIN:		
	ľ	1		l i	02723 INSTALLED NEW YOUTHER REQULTION AIN.		
	1			1 I	07. CHANGES EMOUS OIL AND DIL FILTER. INSTALLED		
	1			1 1	BIOB-2 AND SOLVICOD ENQUE WITH B QUATS		
					ctes our our futor. No Discrepancies mores.		
	Penca	MED E	mave	New-U	DANG LEAR CHECK.		
			2		(ABN 385847988 IA.		
		_		4			
6/14/2018 Drained AA48108	and serv	iced eng sted oil	gine oil pressu	re regula	ts of Aeroshell W100 and replaced oil filter with a ator ½ turn CW (5psi). A&P 369544480		
				Silliu /			
7-8-10	RIGHT	TACH	: 172	6.2	changed engine oil and oil filter. Installed		
	3				48108-2 we sowice evane with 8 and		
	Apros	ter l	cow A	D 01L.	INSPECTED OUR DIL FILTER - NO DISCREMNICIES		
	Potes.	Pens	MMED	Beau	e hun-up and weak affect.		
	1				Spe MP 385647986 IA.		

	Total Time Sir Over		nce Last haul	Engine Service and Maintenance Recor	
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal ar installation and compliance with inspections, Airworthiness Directive Special Inspections, Modifications and Service Bulletins
rrie 10/12	/2018 F	CH tach	: 1828.8	3	
Dı	ained ar	nd servi	ced eng	ine oil v	with 8 qts of Aeroshell 15W50. Replaced oil filter with a
— AA48	3108-2.	Inspecte			and clean.
_				Gregor	y E. Smith 369544480 IA
			,,	July	ony & South
2-18-19		!	! 1		INE TSERM: 1245.7 PERFORMED ANNUAL
	INSPEC	tian in	Acco	coma	WITH PIDER PARA-ZOOT SERVICE MANUAL AND CAR
	PART	43 AA	Pevalue	D. TH	E FOLLOWING MANTENNICE WAS POLIGIMED:
	Compa	er510^	TEST	: 1)	6/80 2) 73/80 3) 77/80, 4) 68/80 5) 64/8
	6)75/8	b. [NS	TAURD	NENL	y Overhavled Cylwobi From Harmson Engwe
			1 - 6 - 1		KING ALL NOW CASKETS AND SOME. CHANGED
	1				. WSTALLER NOW OIL FILTER Plu; AQ48108-2 AM
					COWNER PHILLIPS 20450 STRAIGHT MWELTL OIL.
· · · · · · · · · · · · · · · · · · ·	1				-NO DISCLEPANCIES NOTED. INSPECTED AND CLEMEN
	1		1		
	1)	i	i	I	MENECISO AND CLEMBO FUEL INJECTOR NOZZIES. GENE
			1	- 1	Plubs. INSPECTED ENGUE MOWIT, FREWAR AND
	1				1800-TO-BROWL TIME. INSASCISO WIRE AND EXAME
					O CHARAEL, WHE PIPE AND UNDTE GATE ASSEMBLY.
	INSPEC	TEO M	ta~eta	, VACU	rm trust, Actourton, STANDE, ACTOURTE AND COM
	al ad	ace,	wer in	JECTO	L SONO, FUEL AMP, FUEL DISTRIBUTION, PROPERCE
	aover	102, TA	cu bru	UE, 51	MY PWG LEAS AN OLLWOOL ASSEMBLIES. INSTETS
	AU EN	ave e	BACCLE	, Flex	1616 BAFFLE MATERIAL AND ENQUE COURS. INSPECTE
		1	1	1	AND ALVED LINES. INSPECTED AND WERLETTED AND
					D ENAWS. POLLORNED ENAUE PUNIT AN CEAR
		1			AND PREZENTES NORMAL. CHELLOS AND THROUGH
	1				NEW OR RECORDER AD'S DUE AT THIS TIME AND
		1]		
	1	1		i	IS ENGLIE HAS BEEN INSPECTED IN ACCORDANCE
		i	THE IN.	1	N AND WAS BETOLINGED TO BE IN ALRESON-THE
	CONDIT	rov.		E	-Sp. 2 ALP 385847988 IA.
3/2	2/2010	PT+00	:h: 1893	7	-
					numn with a Dance of AAAGGYY
· I c	ertify th	is aircra	aft to be	air wo	pump with a Rapco p/n 442CW, s/n 182646. rthy and return to service.
	•			Grego	ory E. Smith A&P369544480 IA
					my South

Shares Market Ma

	Total Time		Time Since Last Overhaul		Engine Service and Maintenance 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	
Date:	NE COY A Apr 19, 2 Piper		Taci		1909.6 (RT Engine) N47815 34-200T S/N: 34-7870004 ———	
- on rigi	nt engine rcraft is a	. Ops chapproved	neck alte d for retu	rnator O	o be sent out for overhaul. Re-installed alternator PK. Prvice this date.	
Signat	ure	Luke	inal K	on	A&P3440119	
		1				
5/4/2019	TACI	1917	7		Deliver a stronger tolling	
14/0-01	(MCA)	1111			DRAWED & SERVICED ENGINE OIL WITH	
¥ .					ENTS WIOD PEPLACED OIL FILTER	
					CH48108-1. INSARTED OLD FILTER-CLEAN-	
š-					Chegory South #41 36134448012	
<u>;</u>						
16/2019	Tach.	1964	6		DRAINED & SERVICED ENGINE OIL WITH	
			·		SQTS WIOD, REPLACED OIL FILTER	
					CH48108-1. INSPECTED OLD FILTER-CLEM-	
					Engry Esul A483695444801A	
					0 (
8-7-19			1 . 1		NGES ENGINE OIL AND OIL FILTER. INSTALLED NEW	
	1 1				AND SOLUCED ENGINE WITH & QUILLS ABJOSHELL	
	100 W	OIL.	INSPEC	Ted 0	LID OIL GILTER - NO DISCREAMCIES NOTED.	
	Penson	MOD E	Naw5	RUN-U	AND LEAR CHECK. INSPECTED AND CLEAVED	
	GUEL	INJEC	TOL NO	27LES		
				ع	- Sul AAF 385847988 IA.	
,					0	
12/10/2019 Drained a			8qts 15V		N47815 I replaced oil filter CH48108-1. mith A&P369544480 IA	



	Total Time	Time Sir Over	nce Last rhaul	Engine Service and Maintenance 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
Carried forward -				
2-5-20	TACH TIME	2092.	ENGI	VETSFAM: 1466.4 POLGALMED ANNUAL INSPECTION
	IN ACCORDA	was w	THE PILL	OR SENECA II SERVICE MANUAL AND GAL PART 43
				a maintenance was followings: Compression TEST:
				(80 4) 75/80 5) 75/80 6) 50/80. CHANGED
	1 1	•		. INSTALLED NOW OR FILTER PIN: CH+BIOB-1 AND
	1 1	1	1	RUMETS ALICUIDS 20050 STANGET MIMBURE OIL.
	1 1			NO ALSCARPANCIES NOTED. REMOVED #1, #5 AND
	1 1	· ·		MED NAME OVOLLEVIED CHIMDERS USING NON
			1	W-IN TO BE PERFORMED BY AIRCHAFT OUNCE.
				THEATOD CHAVENGER AIR GILTER. INSPECTED AND
	CLEANER FUE	a moe	Croc AK	2215. CLEANED, CAPTED AND ROTATED STANK ALVES.
	1	1		MEWAL AND STANCTURE. CHECKED MAGNETO-TO-BUCKE
	1 1	1	, -	NO BRUAST SYSTEMS. INSTALLED NEWLY OVERHAULED
	#1 CULINDO	L EXUA	UST PUS	en Plu: 640964-101. Inspected turbo aumaba, whe
	PIPE AND WA	STE GAT	E ASSA	MON. INSPECTED ALLERTHUM, WINNE AND GUID
				AN ENGINE BARRIE, FEERIBLE BAFRIE MATHIM.
	7	_1	1	D COWL PLAPS. INSPECTED MAGNETOS, SACULA PUMP,
	1	1	1	CHANTE ALL DOOL, AIR BOX, OIL COOLD, FUEL INSECTOR
				wor, Parena Governor, TACH DAWE, SPARE ANG
				MBLIES. INSPECTED AND LUBAL CATED ALL ENGINE COMMON
	washed end	icus. Pe	»Ganne	A Brawe Run-up and I ban Check. All tempentures
	Ans Aresse	NES NO	press.	CHECUES AS'S THROUGH BI-WARM 2020-03. NO
·	1		· ·	WE AT THIS TIME AND BATE. I CONTIFY THAT THIS
	Engine has	DEEN 1	NISPECT	BO IN ACCORDING WITH AN ANNUAL INSPECTION AND
	WAS DETER	MWWD.	P BE	IN AIR WORTHY CONOTION.
			2	- SNO MAN 305 B47988 IA.
4-8-20	TACH TIME:	2107.7	CHA	GOD ENGINE OIL AND OIL FICTEL. INSTALLED NEW OIL
			_	AND SOLVICED ENGINE LATTH BOWATS ACCOMEND WIGO
	diam'r.			al futer - NO Discherances NOTED. TOOK OIL SAMPLE
				NEW PIPER MISTURE CONTROL CUSIE PIN: 554-293 AND
			1	L. PERCORNES ENGINE RUN-UP AND LEAR CHECK. All
				us norma.
			2	Che AND 385847988 IA.







Approving Civil Aviation Authority/Country: FAA/UNITED STATES Organization Name and Address:	AUTHORIZED RELEA FFA FORM 8130-3, AIRWORT Service, Inc. 301 Detro	HINESS APPROVAL TAG	5. Work Order/Contract/Invoice Number:
Harrison Engine To Description: Con	658189	antity: 10. Serial Number:	11. Status/Work: Over hau
Remarks:	Inspect Nuchrome Overhaul		
3a. Certifies the items identified at Approved design data and a	re in condition for safe operation. specified in Block 12	and described in Block 12 was at Federal Regulations, part 43 and for return to service.	vice Other regulation specified in Block 12 ecified in Block 12, the work identified in Block 11 ccomplished in accordance with Title 14, Code of In respect to that work, the items are approved
3b. Authorized Signature:	13c. Approval/Authorization No	14b. Authorized Signature: 2 June 14d. Name (Typed or Printed):	14c. Approved Certificate No LR2R988K 14e. Date (dd/mmm/yyy):
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyy):	14d. Name (Typed of Finites).	1:29.21



	Total	Time	Time Since Last Overhaul		Engine Service and Maintenance 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

Right tach: 2165.1 8/07/2020

Drained and serviced engine of			oil filter with	a CH48108-1.
Inspected filter and found clean.	Gregory E. Smith	369544480 IA		
	Gugory So	uth		

1	O.	/22	/2020	Right	tach:	2214.8
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Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a CH48108-1. Inspected filter and found clean.

Gregory E. Smith 369544480 IA 2-22-21 TACH TIME: 2238.8 ENGINE TSFRM: 1613.1. PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER SENECA II SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1) 78/80 2) 46/80 (NOW 74/80) 3) 64/80 4 76/80 5) 77/80 6) 62/80. CHANGED ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL FILTER P/N: AA48108-2 AND SERVICE ENGINE WITH 8 QUARTS PHILLIPS 20W50 TYPE M ENGINE OIL. RMOVED #2 CYLINDER AND INSTALLED NEWLY OVERHAULED CYLINDER ASSEMBLY USING NEW GASKETS AND SEALS. SEE FAA FORM 8130-3 FROM HARRISON ENGINE SERVICE, INC. DATED 1-29-21. INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTER. INPSECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED AND ROTETED SPRAK PLUGS. INSPECTED ALL ELECTRICAL WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRUCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBO CHARGER, WYE PIPE AND WATSE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOX ASSEMBLY, OIL COOLERFUEL INJECTOR PUMP/SERVO, PROPELLER GOVERNOR, TACH DRIVE, SPARK PLUG LEADS AND CYLINDERASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2021-05. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A&P385847988IA

4-7-21 TACH TIME: 2257.9 CHAICES ENGINE OIL AND OIL FILTER. INSTALLED NEW OIL GUERN PW: ANGBIOB-2 AND SERVICED ENGINE WITH B QUINTS AEROSHELL 100 W EVANTE OIL. INSPECTED ON DIL FILTEL - NO DISCREPANCIES NOTED. INSPECTED AND CLEMOS #2 #4 #6 CYLMOOR FUR INJECTOR MOZZEES. INSTALLED NEW CHT PROBE Pla: 1260 in #6 GULINDER. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPORATIMES AND PRESSURES NORMAL. WASHED ENGINE. AAP 385847988 IA.

1. Approvin	g Civil Aviation	2	AUTHORIZ	ED RELE	ASE CERTIFICA	TE	3. Form
Au	thority/Country:	2.1			HINESS APPROVAL TAG		
FAA/U	JNITED STATES						700
4. Organiza	tion Name and Address						5.Work
D I	445 Cardinal Lana Hartl	and WII	52020 (NIESPO64	ND			Num
Rapco, inc	c., 445 Cardinal Lane, Hartl	and, wi	33029 (NE3K004	IN)			
				Ta 6	1000000	1 X 3	11 64
6. Item:	7. Description:		8. Part Number 442CW	9. Quantity	10. Serial Number:		11. Sta
1	Vacuum Pump		442CW	1	182646		
			1				
12. Remark	s:						
	tem has been overhauled in accor						
	s that the work specified in block er EASA part 145 approval number			ance with EASA	Part 145 and with respect to the	at work the	article is co
service unde	er EASA part 143 approvar numbe	I LASA.	.1+3.4602				
13a. Certifi	es the items identified above we	re manu	factured in conform	ity to: 14a	X 14 CFR 43.9 Return to s	ervice X	Other regi
1.00	医乳腺 其黑 水温 化						
Ap	proved design data and are in a c	ondition t	for safe operation.		tifies that unless otherwise spe		
N.		in Dlook	10	Contract Con	ck 11 and described in Block Code of Federal Regulations,		AND RESPONDED TO A SECOND PORTION OF THE PARTY OF THE PAR
- Land NO	on-approved design data specified	III DIOCK	12.		approved for return to service.		in respect t
13b. Autho	rized Signature:	13c. App	proval/Authorization	No.: 14b	o. Authorized Signature	14	c. Approv
					De no dem	-	
124 Nome	(Transit on mainted):	12 Date	e (dd/mmm/yyyy):	146	I. Name (Typed or Printed):	1/	le. Date (d
150.Name ((Typed or printed):	13e.Date	(uu/mmm/yyyy).	1910	JARED WERMAGER		re. Date (t
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To in incomment	to understand that the existence of this do	oumant alor	Us	er/Installer Res	ponsibilities	icle	
Where the user	r/installer performs work in accordance w s essential that the user/installer ensures the	ith the natio	nal regulations of an airwor	thiness authority diff	erent that the airworthiness authority	of the country	specified
specified in Bl		ie ms/ner ai	Twortimess additiontly accep	ns aircraft engine(s)/p	nopelier(s)/article(s) from the all work	micss audiorn	y of the count
C	Blocks 13a and 14a do not constitute insta	llation andi	fination In all agenc aircra	ft maintananaa raaard	e must contain an installation certifica	tion issued in	accordance
with the nation	nal regulations by the user/installer before	the aircraft	may be flown.	it maintenance record	s must contain an instanation certifica	tion issued in a	iccordance
FAA Form 81:					·		
				and the second			

PUMP'INSTALLATION CHECKLIST Not following all items will void your warranty 1. Blow all lines out to remove foreign matter 2. Change all filters 3. Check/Change Garlock seal if leaking 4. Check for Oil leaks ☑ /5. DO NOT use Teflon Tape or sealant of any kind 6. DO NOT disassemble pump 7. Cover unit when cleaning engine with any solvent 8. Check all lines for dry rot and damage 9. Complete warranty registration card, return immediately Customer Warranty Request card must be returned and properly completed with defective pump for warranty considerations 445 Cardinal Lane Hartland, WI 53029 RAPCO,inc. www.rapcoinc.com REPLACEMENT AIRCRAFT PARTS CO. CUSTOMER Owner **IMPORTANT!** Name This card must be Company completed and returned Address with non-returnable pump for warranty consideration _Zip_ City **Unit Installed** Aircraft 182646

Date Installed

Hrs.

Hrs.

Tach Time On

Tach Time Off

PUMPS SENT IN FOR WARRANTY WILL NOT BE RETURNED

	2 AUTHORIZED RELE	ASE CERTIFICATE	3. Form Tracking Number:					
FAA/UNITED STATES								
4. Organization Name and Address:			5. Work Order/Contract/Invoice Number:					
Harrison Engine	Service, Inc. 301 Det	troit St., La Porte, IN 46350	1987					
6. Item. 7. Description:	8. Part Number: 9. C	Quantity: 10. Serial Number:	11. Status/Work:					
Cell Cont	658188	(-	(Inerhau)					
12. Remarks: Theree Complete Over all Complete								
13a. Certifies the items identified above ☐ Approved design data and are in ☐ Non-Approved design data spec	n condition for safe operation.	Certifies that unless otherwise specified and described in Block 12 was accompliant.	Other regulation specified in Block 12 in Block 12, the work identified in Block 11 ished in accordance with Title 14, Code of pect to that work, the items are approved					
13b. Authorized Signature	13c. Approval/Authorization No.	14b. Authorized Signature:	14c. Approved Certificate No:					
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyy):	14d. Name (Typed or Printed):	14e Date (dd/mmm/yyy):					

Vi .						
1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES	AUTHORIZED RELI FFA FORM 8130-3, AIRWO	3. Form Tracking Number:				
Organization Name and Address:				Work Order/Contract/Invojce Number:		
Harrison Engine	Harrison Engine Service, Inc. 301 Detroit St., La Porte, IN 46350					
6. Item: 7. Description:	8. Part Number: 9. 0	Quantity:	10. Serial Number:	11. Status/Work:		
12. Remarks:	658189	. [Overhaul		
13a Certifies the items identified about	Hene Overha	~/	Constell .			
☐ Approved design data and are ☐ Non-Approved design data spec	c: 14a 34 CFR 43.9 Return to Service Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
13b. Authorized Signature:	13c. Approval/Authorization No.	14b. Author	ized Signature:	14c. Approved Certificate No: LR2R988K		
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyy):	14d Name	(Typed or Printed):	14e. Date (dd/mmm/yyy):		

Engine Service and Maintenance Record Time Since Last **Total Time** Overhaul Record maintenance actions including engine part removal and Date installation and compliance with inspections, Airworthiness Directives, Min Hours Min Hours Special Inspections, Modifications and Service Bulletins

N47815 RT engine Tach: 2303.7 6/15/2021

Drained and serviced with 8 qts of Aeroshell W100 oil and replaced oil filter with a Tempest AA48108-2. Replaced the following gami fuel injectors and installed new ones, cyl #4(GM136), cyl #5(GF151), cyl #6 (GF151). All work done IAW installation procedure IP-97-003 revN/C, 12-5-1997 and TCM engine manual. I certify this engine to be airworthy and return to service.

Gregory E. Smith A&P369544480 IA

6/24/2021 tach:2312.9

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N47815

Removed old electric right engine fuel pump p/n 2B6-44 s/n 8C-935 and installed rebuild pump p/n 2B6-44 s/n 10C-1260.

I certify that this aircraft is airworthy and return to service.

Gregory E. Smith A&P 3695,44480 IA

07/17/2021 Right tach: 2322.4

Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a Gregory E. Smith 369544480 IA CH48108-1. Inspected filter and found clean.

07/17/2021 Left tach: 2309.7

Drained and serviced engine oil with 8 qts of Aeroshell 15W50. Replaced oil filter with a Gregory E. Smith 369544480 IA CH48108-1. Inspected filter and found clean.

9-9-21 TACH TIME: 2379.2 ENGINE TSFRM: 1753.5. PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PIPER SENECA II SERVICE MANUAL AND FAR BART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1)78/80 2)78/80 3)65/80 4)77/80 5)76/80 6)70/80. CHANGED ENGINE OIL AND OIL FILTER, INSTALLED NEW OIL FILTER P/N: CH48108-1 AND SERVICED ENGINE WITH 8 QUARTS AEROSHELL 100W ENGINE OIL. OPENED AND INSPECTED OLD OIL FILTER-NO DISCREPANCIES NOTED. INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED AND ROTATED SPARK PLUGS. INSPECTED ALL ELECTRICAL, WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WYE PIPE, AND WATSE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR ALTERNATE AIR DOOR, AIR BOS ASSEMBLY, OIL COOLER, FUEL INJECTOR PUMP/SERVO, PROPEELER GOVERNOR, TACH DRIVE SPARK PLUG LEADS AND CYLINDER ASSEMBLIES. INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED VALVE LAPPING PROCEDURE ON #3 CYLINDER EXHAUST VALVE. INSTALLED NEW INNER EXHAUST VALVE SPRING P/N: 625957, OUTER EXHAUST VALVE SPRING P/N: 625958 AND NEW ROTOCOIL ASSEMBLY P/N: 631654 ON #3 CYLINDER EXHAUST VALVE. REMOVED RIGHT HAND EXHAUST COLLECTOR ASSEMBLY AND REINSTALLED SAME USING NEW NO-BLOW EXHAUST GASKETS P/N: RA970(3 EACH). REPAIRED DIFFERENTIAL FUEL PRESSURE LINE AT THROTTLE BODY. PERFORMED ENGINE RUN-UP AND LEAK CHECK ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2021-19. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFT THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

A&P 385847988 IA

		r						
		Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record		
\bigcirc	Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives,		
	10/13/2021 R Drained an CH48108 dr. I	nd servic	ed engi d filter	ine oil wand four	nd clear	ts of Aeroshell 15w50. Replaced oil filter with a		
	filter. Installed nev	v EZ heat p	ad P/N 44	10 on oil s	ump. Run	change, serviced engine with 8 quarts of Aeroshell W80 and a CH48108-1 are pleak check okay. The work on the Aircraft/component identified ederal Aviation Regulations and is approved for return to service. AP 2725134 Matt Lahti		
SERVICE MANUAL AND FAR PART 43 APPENDIX D. THE FOLLOWING MAINTENANCE WAS PERFORMED: COMPRESSION TEST: 1)76/80 2)74/80 3)68/80 4)73/80 5)72/80 6)64/80. DID NOT CHANGE ENGINE OIL OR OIL FILTER AT THIS TIME AND DATE. INSPECTED, CLEANED AND RETREATED CHALLENGER ENGINE AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. CLEANED, GAPPED AND ROTATED SPARK PLUGS. INSPECTED ALL ELECTRICAL, WIRING AND FLUID CARRYING LINES. INSPECTED ENGINE MOUNT, FIREWALL AND STRCTURE. INSPECTED INTAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WYE PIPE, AND WATSE GATE ASSEMBLY. INSPECTED ALL ENGINE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE COWLS AND COWL FLAPS. CHECKED MAGNETO-TO-ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, ALTERNATE AIR DOOR, AIR BOX ASSEMBLY, OIL COOLER, FUEL INJECTOR PUMP/SERVO, PROPELLER GOVERNOR, TACH DRIVE SPARK PLUG LEADS AND CYLINDER ASSEMBLIES, INSPECTED AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. PERFORMED VALVE LAPPING PROCEDURE ON #3 CYLINDER EXHAUST VALVE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. ALL TEMPERATURES AND PRESSURES NORMAL. CHECKED AD'S THROUGH BI-WEEKLY 2022-06. NO NEW OR RECURRING AD'S DUE AT THIS TIME AND DATE. I CERTIFT THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A&P 385847988 IA						E AIR FILTER. INSPECTED AND CLEANED FUEL INJECTOR NOZZLES. O ALL ELECTRICAL, WIRING AND FLUID CARRYING LINES. INSPECTED TAKE AND EXHAUST SYSTEMS. INSPECTED TURBOCHARGER, WYE BAFFLE AND FLEXIBLE BAFFLE MATERIAL. INSPECTED ENGINE TIMING. INSPECTED MAGNETOS, VACUUM PUMP, ALTERNATOR, EL INJECTOR PUMP/SERVO, PROPELLER GOVERNOR, TACH DRIVE AND LUBRICATED ALL ENGINE CONTROLS. WASHED ENGINE. EXHAUST VALVE. PERFORMED ENGINE RUN-UP AND LEAK CHECK. D'S THROUGH BI-WEEKLY 2022-06. NO NEW OR RECURRING AD'S HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL ONDITION. A&P 385847988 IA		
	9/09/2022	Right and serv	tach: 2:	583.7 gine oil er and fo <i>Gre</i> g	with 8 ound clo	ots of Aeroshall Wea Parts of Aeroshall Wea P		
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