TELEDYNE CONTINENTAL

N711XL ETT = ACTT - 1877



Gold Medallion Aircraft Engine USE ONLY

USE ONLY
FUEL
CONFORMING
TO ASTM D910.

USE OF AUTOMOTIVE GAS IS NOT APPROVED.

NEW ENGINE

LOG

ENGINE 1/2

N 711 XL

AIRCRAFT N NUMBER

TS10 550C 1B

ENGINE MODEL NUMBER

802509

ENGINE SERIAL NUMBER

This engine model <u>SIDSSOCIB</u>, Serial No. <u>BO2509</u>, was manufactured on <u>12-23-94</u> by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TELEDYNE CONTINENTAL MOTORS

TELEDYNE CONTINENTAL MOTORS
Aircraft Products

ENGINE DESCRIPTION

TYPE TC m		203 508
		SERIAL NO. 802509
KATED H.P	MAXIMUM H, P	
RATED R.P.M.	MAXIMUM R.P.M.	OIL PRESSURE
BORE	STROKE	DISPLACEMENT CU. IN
COMPRESSION RATIO		GEAR RATIO
PROPELLER HARTZELL	HUB DESIGN BHC-CZYF-1BF	HUB SERIAL NO. AM 2876
BLADE DESIGN	BLADE SERIAL NO.	BLADE SERIAL NO.
MAXIMUM HUB H.P.	MAXIMUM BLADE H.P.	
		LENGTH
ADDRESS	CITY	STATE

	BROUG																DATE	
TOTALS	BROUGHT FORWARD																Ground	R.P.M.
ST	/ARD																Air	
											CHECK	MOUNT,	COMPONENT	EST: -	OIL AND	h-	Hrs. M	TIME GRO
							Y		Federal Avia	The aircraft/	250	UNI, A/C FUMF	NO N	74/80,	FILTER.	TOW T	Min. Total	TIME ON GROUND
							CLAF	SIGNED .	Federal Aviation Administration and i repair are on file at this repair station	component i	114101111111111111111111111111111111111	TREAD!	FNGI	\$2 74/89	SERVICED N	970 550	Hrs.	1
				,		1	VIATI	ED M	stration and	dentified abo	,	zZ	1		E	2	Min. To	AIR
	_	_					ON INC.	codn	is approved	ove was rep		711XI TAL	150-C	1/80, 44	ENGINE WI	N. 000E	Total +	70
							TI C	35.3	for return	paired and/o	1	T D EL STOP SE	S/N:89	74/89	AITH AF		Hrs. Mi	TOTAL TIME
							Q Bloomington-Normal Airport FAA Approved Repair Station BNGR539C	W.O.# 5013 DATE 2-7-75	Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station	The aircraft/component identified above was repaired and/or inspected in accordance with current regulations of the-		XAAAA38AAT. ACFT TT: 1877 *RUN UP AND LEAK	009:41 & 42 VA	J	2	NEW ENCINE TOTAL TIME . D		REPAIRS - ADJUSTMENTS
									0		1	D LEAK -	ATOR &	RAHE -	ON THREE	חאשרבה		SIGNATURE
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	BROUG														214197		DATE
TOTALS	BROUGHT FORWARD			, .						, Y4'	MADINTE	FOUR L	WISCONSIN		2302.2 H	Ground Air	R.P.M.
										VI 53704	VAI	1	417		ckips	Hrs. Min. Total	TIME ON GROUND
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								COCY Will my months 14	J	D 10-10 601 15	Time wil were pasked	silv timed both ma	ed dist. block + gear	ad points, cleaned as	res and yw 500 hr.		DEDAIDS - AD HISTMENITS
								¥ 34184060		200	7	oceto's	Donots	A LESDEC	inspection		
										1	2		Cleaned	tec.	C	NUMBER	LICENSF

				•		
DATE	G				SIGNATURE	LICENSE NUMBER
		N7711V7		3440 ETT		
		N711XL 6/9/97 EN	GINE	3440 E 11		
		Completed an Annual Inspection in accordance with Pip and filter. Removed old filter and inspected, no metal for with 8 qts. Of Aeroshell 15w50. Cleaned, gapped and te new. Compression test results #1 71/80, #2 72/80, #3 70 and sent mount out for repair. Reinstalled repaired mount	sted spark plugs. Replaced #2 upp 1/80, #4 72/80, #5 70/80, #6 72/8	per spark plug with 0. Removed engine	,	
		good.	07			
		6-9	- 97 I CERTIFY THA	T		
		7 444 600	ENGINE HAS BEE	N		
	T	WING THEREIN AVELLAND	A <u>annual</u> inspectio			
	T	MOTIFICARIES INC.	NAS DETERMINED TO B			
	T	MAINTENANCE MADISON, WI 53704	RWORTHY CONDITION	i.		
		MADISON, WI COLO.	un Chiles IA	288811915	-	
			and thies In	30000011-		
BROUG	НТ					

ja .					E	ENGINE LOG	.0G			
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		<i>0</i> \(\)	کودی توص	JAP 1	SW.	00	0	Aerosholl ISWSO	X45-CD4	
			oak r	NOC V	000	()	<u>}</u>	14391840x08	- FAU	
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BROUGH.	BROUGHT FORWARD									
	TOTALS									

DATE	R.P.M. Ground A	WISCONSIN AVIATION FOUR LAKES, INC. MADISON, WI 53704 FNGINE AIRFRAME LOG	ξE	LICENSE NUMBER
		N# 711XL ACTT 2303.0 ETT 426 MODEL # PA46-310P HOBBS 2303.0 ETSO		
		Complied with a 100 hr. Annual Inspection this date as per Piper PA 46 inspection guide. All work done in accordance with Piper and TCM maintenance manuals. Changed oil and filter. Old filter inspected, no metal noted, engine serviced with 8 qts. of 15w50 Aeroshell, new spark plugs installed p/n RHB32E, 12 each. Engine ground run up and ops check good.		
		I certify that this engine has been inspected in accordance with a 100 hr./Annual inspection and was determined to be in airworthy condition.		
BROUG	TOTALS	Jan 125476IA		

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				The second secon	
DATE	Grou	AIRFRAM		GNATURE	LICENSE NUMBER
		N# 711XL ACTT	ETT ETSO PTT PTSO		
		Changed oil and filter, cut and inspect filter, no metal Run up and leak check O.K. Machine Matthie	found. Serviced with 8 qts. of Aeroshell 15w50.		
BROUG		Madison, Wi 55704	Wisconsin Aviation - Watertown 1741 River Drive Wartertown, WI 53094 920-261-4567		

Web.							-	ENGINE LUG	LUG			
	R.P.M.		TIME ON GROUND	0 2		AIR		TOTAL TIME	IME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE
99 99	Ground Air	ir Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			NUMBER
5/17	23384 /	Hases		CHANGED	650	3M2ME	0	LAF	FILTER	C (UT & INSPECTED FILTER	R, NO META	4
7				10740	, O	ERVICED	0	ENGME		WITH B QTS ARROSHEN ISWS	SA INSTALLER	CATT
				5	48109		OIL FILTER		UN- du	KUNT NO & LEAK CHECK SATISFALTORY	YSIG	
									anes	Muny Axp 4m	28-1423	
							1			- CEMO		
7-3/-	7-31-99 2369.2 1	HRS. HOBBS	85	CHA	HANGED	EN6	NGINE	016+1	2112	FILTER THIS DATE. FILTER WAS	COTA	NO INSPEC
				750	FOR METAL, WITH NO	1794	W/W		7577	METAL FOUND. SERVICED ENGINE	INE WITH	8073
				AERO	SHELL	15	w50 01C		ONE	A CHAMPION CH 48109 OIL	FUTER	A RON-W
				AND	LEAK	CH	HEER 6	OAB	MO	UETED WITH NO LEAKS	NOTER	
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BROL	BROUGHT FORWARD											
	TOTALS											

DATE	N# <u>7112</u> MODEI DATE <u>9</u> S/N#_4	# <u>PA46-</u> 9/3/99	310P		_	2369.9 S_2369.9	 		ETT 512.9 ETSO PTT 2369.9 PTSO PTSO	-	SIGNATURE	LICENSE NUMBER
	All mair as follow bulletin Change analysis	itenance p vs: #1 65/8 M84-15 c d oil and f	erforme 80, #2 7 ylinder l ilter. Cu new CI	ed in accor 0/80, #3 69 leakage che t filter ope	dance w /80, #4 eck-diffe n and in	vith Piper/Lyc 72/80, #5 60/8 erential pressu aspected satisf	oming ser 30, #6 70/3 re tester c actory. O	rvice manual. 80. Complied checked to a n il sample take	ual inspection form Compression chec with TCM service ninimum of 45/80. n and submitted for 50 oil. Ground run	r -		
	determinus Miscon 3606 C	ned to be in sin Aviati orben Co n, WI 537	n airwo ion - M ourt	rthy condi	-	in accordance		Annual inspect Wisconsin Av 1741 River D Vartertown, 120-261-456	A 3953264 viation - Watertov Prive WI 53094	<i>y</i> n		
BROUGI	HT FORWARD TOTALS											

DATE	R.P.	.м.	Date 07/15/00 N# 711XL Hobbs ACTT 2380.1	EII 323.1 FII 2313.2	ICENSE
בואט	Ground	Air	Tach	ETSO PTSO 1079.2	IUMBER
			Hobbs replaced this date. This entry for time calculations.	ENM. Boyd A+P 3965 \$8746 -	
			Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003	Wisconsin Aviation - Watertown	
			NTIIXL		
			changed oil and filter, cut filter with a CHY8109 filter an	nd 8 ats gero Shell 15 w 20 oil -	
			Run up and leak check good		
			Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704	Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094	
BROUG	HT FORWA	RD	608-268-5003	920-261-4567	
	TOTALS	5			

			ENGINE LOG				
	Tach	N# 711XL	eak check OK. Aircraft			SIGNATURE	LICENSI
	DATE <u>12/3/01</u>	ENGINE LO ACTT <u>2462.7</u>		606.7	ton - Watertreen		
	MODEL # <u>PA46-310P</u> N# <u>711XL</u>	HOBBS 82.6 TACH		2462.7			
	S/N# 4608062 Completed an Annual in checklist. Compression of 64/80, #6 68/80. Changed	heck as follows: #16	ccordance with Piper 5/80, #2 68/80, #3 68	3/80, #4 70/	80, #5		
	old filter for metal, none Tightened alternator belt. down and ground ran for	found. Serviced engir Cleaned, gapped and	te with 8 qts. of Aero tested all spark plug	shell 15w5 s. Washed	0 oil. engine		
ROUG 🛚	Wisconsin Aviation - Madis 3606 Corben Court Madison, WI 53704 608-268-5003	on	1741 Wate	consin Avia River Dri ertown, Wi 261-4567		GOVERNMENT OF THE PARTY OF THE	

DATE

BROUG

DATE	R.P./DATE: 03-04-03 N#711XL MODEL:PA-46-310P S/N: 4608062	ACTT:2505.3 HOBBS:125.2	ETT:628.3 ETSO: "0" r PTT:2505.3 PTSO:1204.	'new 3	TU
	Completed an Annual inspect accordance with Piper / Cont 68/80 #6 70/80. Drained oil, time, installed new oil filter p spark plugs. Washed down en manufactures specifications. I certify that this engine has b	tinental Maintenance manual, took oil sample and sent out p/n CH48109. Serviced engengine and ground ran for operation inspected in accordance of Madison	als. Compression test as fout for analysis. Removed gine with 8qts of Aeroshe os and leak check. Adjuste ce with an Annual inspect	al service manual checklist. All work performed follows #1 70/80 #2 69/80 #3 68/80 #4 69/80 d and cut open oil filter, no metal noted at this hell 15W50 oil. Cleaned, gapped and tested all sted M.A.P., RPM'S and fuel flows to ction and was determined to be in airworthy Wisconsin Aviation - Water 1741 River Drive Watertown, WI 53094 920-261-4567) #5 ———————————————————————————————————
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DATE	R.P.	м.		IME ON			TIME I	N	TOTAL	TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DAIL	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.		I		- TOMBER
		DATE: (N#711XI MODEL S/N: 460	L : PA46-3	1012			ACT HOB			P	TT: TSO: TT: TSO.	730.0 "o" new 2607.0 1306.1		
		Removed with new checks o	impulse	couplin	ngs. Tim	ed magne	tos to en	ngine in ac	320, s/n's (cordance w)404164: vith appli	3 and 0.	3082262. Both magnetos complete naintenance instructions. Post run up		
		360 Mad	consin 6 Corb lison, V -268-5	en Co NI 53	ourt	//adiso	n	No.			1	Nisconsin Aviation - Waterto 1741 River Drive Natertown, WI 53094 920-261-4567	wn	
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	R.P.	.M.		IME O ROUN			TIME I AIR	Ν	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE
DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.		STOTATORE	NUMBE
	N# MC S/N Dra serv Date: 11/0 Engine - 1 AM2876, inspection 62/80, #6	CONSIN 2005, Type: Consin and this End	Aviatio Aircraft: https://display.com/disp	oil filte quarts N711 TSIO *Engir 3 App	r and cut of Aeros ladisor XL, Type -550-C1 ne Log** endix "D ampleted	open for inhell 15W5 PIPER B, S/N: 8 (D 11) with Stocked in according to the stocke	PA46 802509 48Corpression	on, no meta ne oil. Gro 2007 -310P, Sa npleted a no test as solvent, nce with a	// // // // // // // // // // // // //	New 529.6 528.7 stalled notine, lead Type: inspecting the check check	ew CH48109-1 oil filter and checked good. SCONSIN AVIATION - Watertown bs: 307.0, Total Time: 2687.1, Hartzell BHC-C2YF-1BF, S/N: fon in accordance with Piper 0, #2 67/80,#3 65/80, #4 64/80, #5 eck completed, no defects noted. tion as required by Title 14 CFR, en approved for a return to		
BROU [,]	Mad	consin Corbo ison, 1 268-50	en Cou WI 537	urt	Madiso	on	Y	Y	1 V	741 F Vatert	nsin Aviation - Watertown River Drive own, WI 53094 61-4567		

	LIMITAL LOG	
Gr	Date: 1/24/2007; Aircraft: N711XL; Type: PIPER PA46-310P; S/N: 4608062; Hobbs: 361.50; Total Time: 2741.60 **** Engine Log Entry **** Log ID 2511 Replaced starter adapter p/n: 642087A65 rebuilt by Teledyne Continental Motors, Cert.# PC508, 1/17/2007. Drained oil and removed filter. Cut filter open and inspected for metal, none noted. Installed new CH48109-1 filter and serviced with 8 quarts Aeroshell 15W50 oil. Work performed in accordance with TCM TSIO-550 service	SIGN
	John Podgorski AP349766925 Wisconsin Aviation - Madison Wisconsin Aviation - Watertown	
	Date: 3/12/2007; Aircraft: N711XL; Type: PIPER PA46-310P; S/N: 4608062; Hobbs: 363.10; Total Time: 2743.20; Engine - Type: Continental TSIO-550-C1B, S/N: 802509, Time: 866.20, SMOH: 866.20 ***Engine Log Entry*** Log ID 2632 Completed an annual inspection in accordance with the Piper PA 46-310P service manual inspection form and FAR 43, appendix D. Drained oil and removed filter. Cut filter open and inspected for metal, found small amount of metallic powder- recheck in 10 hours. Installed new CH48109 -1 filter and serviced with 8 qts. Aeroshell 15W50	
_	oil. Performed compression test: #1) 60/80 #2) 72/80 #3) 55/80 #4)72/80 #5) 58/80 #6)58/80. Cleaned, gapped, tested spark plugs, rotated top to bottom and installed with new M-674 gaskets. Checked and adjusted magneto to engine timing. Replaced all #4 and #5 cylinder rocker cover gaskets p/n: 653380 with new. Replaced #5 cylinder pushrod seals p/n: 534610, o-rings p/n: 630286, and lock tabs p/n: 501868 with new. Ground run for ops and leak check good. Work performed in accordance with Piper PA 46-310P and TCM TSIO-550 service manuals. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in airworthy	
-	Steven Johnson A&P 397604650 IA Heven John	
<u>-</u> -	Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 Wisconsin Aviation - Watertown Watertown, WI 53094 920-261-4567	

R.P.	Date: 3/26/2007; Aircraft: N711XL; Type: PIPER PA46-310P; S/N: 4608062; Total Time: 2747.00; Engine - Type: Continental TSIO-550-C1B, S/N: 802509, Time: 870.00, SMOH: 870.00 **** Engine Log Entry **** Log ID 2706 Resealed #5 exhaust valve push rod seals with new p/n: 534610 and 630286 seals. Ground run for leak check good. Work performed in accordance with TCM TSIO-550 maintenance manual. Timothy Woods A&P 399480038 IA Wisconsin Aviation - Madison Wisconsin Aviation - Watertown	TURE
	Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	
	Date: 8/08/2007; Aircraft: N711XL; Type: PIPER PA46-310P; S/N: 4608062; Hobbs: 388.70; Total Time: 2768.80 **** Engine Log Entry **** Log ID 3140 Removed, cut open, and inspected oil filter element for contaminants, none found. Installed new CH48109 filter, ground run for leak check good. Work performed in accordance with approved / current technical data. Brian W. Everson	
	Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	

APD

MANUFACTUR	ER: Continental	ENGINE MODEL:	TSIO-550-C	S/N	802509	WO#	2567
AD#	DESCRIPTION		COMPLIANCES	STATUS			
93-10-02	cylinder		C/W by inspec	tion I/A/	W par (d)		
96-12-22	Cessna oil filter adapter		N/A by P/N ada	apter			
99-19-01	crankshaft		N/A by cranksh	naft S/N			
00-23-21	crankshaft		N/A by cranksh	naft S/N	*		
#04-08-10	cylinder		N/A by cylinde	r manuf	acturer		
07-16-10	turbocharger failure		To be C/W by	installin	g agency		74.5
Poplar Grove	Airmotive, Inc.		1111	1			
	Repair Station # YYE	3R664L	11/1/6	/	The same and the s	Date:	7/8/2009

Shop Orders --- Inventory Summary 7/09/2009 For Shop Order 2567 Only 7:58AM Action Date Wmty? Quantity Description Shop Order # Close Date Dsc # Part Number 1.00 6/19/2009 Crank Plug 2567 11 2,000 633189 12.00 6/19/2009 Bearing 2567 11 2,000 SA642398 8.00 6/19/2009 Blade Bushing 2567 11 2,000 AEC350998

AEC639193

SA643629

SA629104

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Washer

Gasket

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Clamp

Oil Filter

Seal

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Seal

Lock Ring

Plate

6/19/2009

6/19/2009

6/19/2009

7/01/2009

7/01/2009

7/02/2009

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4.00 6/19/2009 Screw 2567 11 2,000 SA649205 6.00 6/19/2009 Screw SA536379 2567 11 2,000 4.00 6/19/2009 Cam Bolt 2567 11 2,000 654587-44 12.00 6/19/2009 Rod Bolt 2567 11 2,000 655958 12.00 6/19/2009 **Rod Nuts** 2567 11 2,000 654490 1.00 6/19/2009 Rocker Bushing AEC652129 2567 11 2,000 1.00 Each 6/19/2009 Spring 2,000 536552 2567 11 1.00 6/19/2009 Key MS35756-8 2567 11 2,000 1.00 6/19/2009 Bearing 11 2,000 X13041 2567 1.00 RING 6/19/2009 SA502287 2567 11 2,000 1.00 Clutch Spring 6/19/2009 S539800

2567 11 2,000 1.00 6/19/2009 Bearing 2567 11 2,000 640731 8.00 Rocker Shaft 6/19/2009 11 656642 2567 2,000 2.00 MS35842-13 Clamps 6/23/2009 2567 11 2,000

Each Each Each Each Each 6.00 2,000 649703 Piston Pin 6/24/2009 2567 11 6/24/2009 1.00 2567 11 2,000 SA646592A1 Bearing Set

Each Each Each 1.00 11 Lock Tab 6/26/2009 2567 2,000 501867

Each Seal 6/26/2009 1.00 Each 2567 11 2,000 653171 6/26/2009 4.00 Each 652963 Bushing 11 2,000 2567

Cam Kit 6/30/2009 1.00 Each EQ 7002 2567 11 2,000 Each 11 SA646985 Seal 7/01/2009 6.00

4,000 2567 11 4,000 SA643873 Valve 7/01/2009 3.00 2567

Each Each

Stud 4,000 SA640482 7/01/2009 12.00 2567 11

11 4,000 AEC643767HCP005 Guide 7/01/2009 3.00 2567

3.00

4,000 SA5000 SC5 P05 Ring Set 7/01/2009 11 2567

AEC632485

2,000 M 629680-SRW

401752

641909

530346

627496

M3184

SA531001

SA534609

SA533355

652436-1

533958-5

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SA633958-3

2567 11 2,000 EQ7158 Gasket 7/01/2009

Total Tim	E CONTINENTAL 935.9	MODEL_	TSIO-550-C S/N Time Since Major Overhau		Hours	LICENSE
The aircraft en	gine identified above was r		ected in accordance with current regulation ork performed. (As detailed below) Pertine	ns of the Federal Avia	ation	
	Work Order #	2567	Date	7/8/2009	-	
3 repaired cylir that were new for two hours in Poplar Grove A	iders, and 3 new cylind 206 hours ago. See att	ders, see attaclached A.D. Colt cell	m and lifter distress. Installed new hed maintenance release tags for ompliance Record and Parts List for exampleENDEND	letails. Reinstalled more details. Eng	l magneto's,	4
OUGHT FORWARD						
TOTALS		•				

ENGINE ING

DATE	R.P.	.M.	TI/ GR	***Engine Work*** ID 5385	E
DATE	Ground	Air	Hrs.	Completed an Annual inspection in accordance with FAR 43, Appendix D. Reinstalled engine TSIO-550-C, sn 802509 repair by Poplar Grove Airmotive, ref WO# 2567. Engine total time 935.9. Engine was serviced with 8 quarts, Phillips 20W50 Mineral oil. Reinstalled propeller BHC-C2YF-1BF, sn AM 2876. Completed run, leak and fuel checks per Piper and Continental maintentnace manuals. Cleaned and stop drilled crack on baffling on the right hand side near the heat exchanger. Completed various sheetmetal patches on front engine baffling per Piper maintenance manual. Completed various patches on baffling on rear of engine per Piper maintenance manual. Removed existing cylinder # 1 CHT probe and replaced with p/n 2852 per Piper maintenance manuals. Ops checked good. All work performed in accordance with approved/current technical data. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in airwothy condition.	.R
				Steven Johnson A&P 397604650 IA Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	
				Date: 8/06/2010; Aircraft: N711XL; Type: PIPER PA46-310P; S/N: 4608062; Hobbs: 432.9; Total Time: 2848.0 ***Engine Work*** AD 10-11-04 (6/16/10) Hydraulic Lifter Wear, Not applicable by date of cam kit assembly from TCM. Kit assembled 3/14/09. Engine repaired 7/8/09 by Poplar Grove Airmotive. Installed new Cam kit p/n EQ7002, s/n Z08KA092. AD 10-07-08 (4/19/10) Kelly rebuilt 400/600 series turbos, not applicable by turbo serial numbers. Scott E. Yeager	
BROUG	HT FORW			Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	

DATE	R.P.M.	TIME ON GROUND	TIME IN	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE
	Engine - Type: 2848.0 ***Engine Work Complete Changed oil an Aeroshell. Cor Cleaned, gappe forward right ha Grove Airmotiv engine control	k*** d an Annual inspection d filter p/n CH48109-1 mpression test as follo ed and tested spark pl and sump flange bolts e, Inc., CRS# YYBR66 travels and lubricated. ent technical data. at this engine has bee condition.	n in accordance with FAI t, took sample, cut filter, ws: #1) 73/80, #2) 73/80 ugs. Replaced alternate Reinstalled starter ada 64L, Wo# 3486, dated 08 Ground run for ops and	R 43, Appendix D no metal noted, s 0, #3) 77/80, #4) 7 or base gasket p/r pter, p/n 642087/ 8/04/2010. Check I leak ck good. A	Hobbs: 432.9; Total Time: 2848.0; 22YF-1BF, S/N: AM2876, Time: serviced engine with 9 qts. 15W50 76/80, #5) 78/80, #6) 75/80. 1 653981 with new. Tightened A, s/n n/a, after repair by Poplar sed mag to engine timing. Checked III work performed in accordance with I inspection and was determined to		NUMBER
	3606 Cor	n Aviation - Mad ben Court WI 53704 5003	ison	174 Wat	consin Aviation - Watertown 1 River Drive ertown, WI 53094 -261-4567		
BROUGE	HT FORWARD						
	TOTALS					-	

DATE	chris Shaffe AP 321524 Wisco 3606 Madis	Vork*** ced exhaust and leak che k performed er	clamp p/reck good. in accord tion - No	a 2172-34 dance with	44 with	new. C	leaned, ga	pped a	62; Hobbs: 456.2; Total Time: 2871.3 and tested spark plugs. Ground run for ta. Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	SNATURE	LICENSE NUMBER
	Engine Rem garlock se Ground ru	Work noved engine eal p/n 6531 un for operat vork perform	from mo 71 with no ional and ed in acco	ounts and ew. Reins leak che ordance	l associ stalled e	iated hos engine d	ses, brack on mounts	ets and and as	3062; Hobbs: 461.8; Total Time: 2876.9 I cables. Replaced starter adapter shaft sociated hoses, brackets and cables.		
BROUGHT FOR	3606 Mad 608-	consin Av Consin Av Corben Iison, WI -268-500	Court 53704	Madis	son		4). 	Wisconsin Aviation - Watertow 1741 River Drive Watertown, WI 53094 920-261-4567	n	

DATE	R.P.M. Ground Air	TIME ON GROUNE Hrs. Min.		TIME IN AIR Min. Total	TOTAL Hrs.	TIME Min.	REPAIRS - ADJUSTM	ENTS	SIGNATURE	LICENSE
Date: 1	2/12/2013; Aircra	ft: N711XL: Typ	e: PIPER PA4	6-310P; S/N: 4	608062; Ho	bbs: 4	72.0; Total Time: 2887.1;			
							F, S/N: AM2876, Time:			
2887.1	7 /	1 100 Later 1 100 Later 10								
	ine Work***									1
. Č	ompleted an Annu	ual inspection in	accordance w	ith FAR 43, Ap	pendix D.					
AD 11-	25-51 (12/28/11)	Starter adapter	shaft gear insp	ection, not app	licable by 6	engine r	model and starter adapter			
part nu	mber. AD 12-03-0	06 (2/24/12) AF	S Fuel system	fuel servo diap	hragm insp	ection,	not applicable by fuel servo			
manufa	acturer. AD 12-10	-13 (6/8/12) Sta	arter adapter sh	naft gear inspec	tion, not ap	plicabl	e by engine model and	T		
starter	adapter part numb	per. Changed o	oil and filter p/n	CH48109-1, to	ok sample,	cut filt	er, no metal noted, serviced			
engine	with 8 qts. 15W50	Aeroshell. Co	mpression test	t as follows: #1) 65/80, #2) 70/80	(, #3) 70/80, #4) 78/80, #5)			
74/80,	#6) 68/80. Cleane	ed, gapped and	tested spark p	lugs. Replaced	(/ea) spa	rk plug	p/n RHB32E with new.	-		
Checke	ed mag to engine	timing. Checke	d engine contr	of travels and it	ibricated.	round.	run for operational and			
leak ch	eck normal. All w	ork performed i	in accordance v	with approved/d	n Appual ir	ospectic	ald. on and was determined to	•		
			/ // /		II Allilual II	ispection	on and was determined to	P		
	rworthy condition. y Woods	withy Si	1/ents							
100 00000000000000000000000000000000000	645554 IA	willy NO	Vice							
	sconsin Aviati				☐ Wisco	nsin A	Aviation - Watertown			
	6 Corben Co				1741 F					
							WI 53094			
	dison, WI 537	704	4		920-20					
608	3-268-5003				920-20	31-43	07			
BROUGH	T FORWARD									
	TOTALS									

Make: Continental

IO 550 C1D

Reg. No: N711XL

Hobbs: 532.1

Model: TSIO-550-C1B

Model: PA-46-310P

TTSN: 1070.2

SN: 802509

ENGINE

Performed an ANNUAL inspection IAW 14CFR Part 43 Appendix D. Drained oil and removed filter. Took oil sample for analysis. Cut and inspected filter media, no faults noted. Installed new filter and serviced engine with 12 qts 15w-50 oil. Compression test 1) 69 2) 72 3) 71 4) 67 5) 76 6) 70 /80 psi. No AD's apply at this time. See AD compliance report with permanent aircraft records. Operational ground run and leak check satisfactory. I certify this ENGINE has been inspected IAW an ANNUAL inspection and was found to be in an AIRWORTHY condition.

****END****

Signature:

Steven Givens AP3267390IA

Date: 06/15/2018



2180 Oklahoma Avenue

Blaine, MN 55449

Registration: N711XL

PAGE 1 of 1

Engine Model: TSIO-550-C

Engine Serial: 802509

Engine Time: 1097.4

Cycles:

Hobbs: 559.3

Date: 10/8/2018

- 1. DRAINED OIL AND TOOK SAMPLE. CUT OPEN AND INSTPECTED FILTER. NO DEFECTS NOTED. INSTALLED FILTER CH48109-1 AND SERVICED WITH AEROSHELL 15W50 OIL. RUN UP AND LEAK CHECK IS GOOD.
- 2. SWAPPED FUEL INJECTORS BETWEEN CYLINDERS 1 AND 5.

Jennifer Jara License: A&P 3355236

877-662-5428 malibuaerospace.com

for Jean

ENGINE I UC

DATE	Make: Contin Model: TSIO	nental -550-C		g. No: N711 del: PA-46				Hobbs:584.0	ENTS	SIGNATURE	LICENSE NUMBER
	oil and one bo	alled new (ottle CamG **	CH48109	-1 filter and perational	d serviced ground r	d engine v un and le	vith 7 ak che	Took oil sample for qts Aeroshell 15w-50 ecks satisfactory. 2/15/2018			
3/10/19	DRAWE	» ou	dis	Risha	4	FILT	ER_	. TOOK OIL	SAMPU	e FOR	
	Dr. Augsis		Aus	> HOL	CH	-48	109-	- FILTER A			
	7 9000	ALREX	ter	12m-	4 02			T CAM GUA	LB. OP	REPLION	
	GROUPD	TOP !	y of	EAC C	HESKE	46	15	FACTORY			
				^		11					
	HOBBS =	611.3		SSI	M.	He					
				J640	N. HU	Š,	-	£ 3018626			
BROUGH	HT FORWARD										
	TOTALS										

LIAISIAL IIII-

ENGINE

Registration Make

N711XL Continental Hobbs TTSN 623.4 1161.5

Model

TSIO-550-C1B

Serial

802509



Performed an ANNUAL inspection IAW 14CFR Part 43 Appendix D. Drained oil and took sample for analysis. Removed, cut, and inspected filter with no faults noted. Installed new CH48109-1 filter. Serviced engine with 7 qts 20w-50 and 1 pint Camguard. Removed, cleaned, inspected, gapped, rotated, and reinstalled spark plugs. Adjusted magneto timing. Compression check 1)66 2)70 3)71 4)77 5)78 6)68/80 psi. Checked and lubricated engine control cables. Complied with CSB19-01 by removing primer divertor valve assembly and installing tube PN: 656788 and plug PN: 2024. Verified PN: 655742 cylinder drain connectors previously installed. Replace oil sump quick drain with new PN: S6250. No AD's apply at this time. See AD compliance report with permanent aircraft records. Operational ground run and leak check satisfactory. I certify this ENGINE has been inspected IAW an ANNUAL inspection and was found to be in an AIRWORTHY condition.***END***

Signature

Date

06/20/2019

Steve Ivens AP3267390IA

ENGINE

Registration Make

N711XL Continental TSIO-550-C1B

Hobbs 642.1 TTSN 1180.2

Model Serial

802509



Replaced 6 fuel injectors with GAMI turboGAMIjectors kit No. TIGT550-19B SN: 28180 in accordance with Installation procedure No. IP-2001-01, Rev NC, dated 05/25/2001. This installation is approved under STC No. SE09963SC, see FAA Form 337 this date. Ground run and leak checks satisfactory. Approved for return to service. ***END***

Signature

Date

08/28/2019

Steve Givens AP3267390IA

	BROUGH												10/25/19	-	DAIE	4
TOTALS	BROUGHT FORWARD												0		Ground	R.P.M.
	₹D								ligan	Tel	T COO S	JASK)	DRA		Air	
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						8		SAR	NZ	1 kg	7	7	0		Min.	GROUND
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					τ	(K		Α.	Da	2	٥٥	48010	SUS		Min.	AIR IN
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					そらい					6	104 1	ーナル	TOR		Hrs.	TOTAL TIME
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					FLATO					t yours de	CAR GUARD	प्रवाधिक क्षा	LEPOLIED FU			REPAIRS - ADJUSTMENTS
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					6					S Jag to	ANTAS DIO	7 ers	क्रिगड्डा व			SIGNATIBE
											BUR		words		NUMBER	LICENSE

DATE	R.P.M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS		SIGNATURE	LICENSE		
(Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.				NUMBER
BROUGHT	Mak Mod Drai for a Aero leak	Shell 1 checks	tinent 10-550 1 & Rer 5. Insta 5w-50 5 satisfa	al -C1B nove alled oil a actor	d Filte new Cl nd 1 p y.	r. Took H48109	oil s 0-1 fil	ter and d. Ope	216.9 02509 and sent	l with groun	le & filter 7 qrts nd run &			

ENGINE

Registration Make

N711XL Continental

Hobbs TTSN

697.2 1235.3

Model

Serial

TSIO-550-C1B

802509



Performed an ANNUAL inspection IAW 14CFR Part 43 Appendix D. Drained oil and took sample for analysis. Removed, cut, and inspected filter with no faults noted. Installed new CH48109-1 filter. Serviced engine with 7 qts 15w-50 and 1 pint Camguard. Removed, cleaned, inspected, gapped, rotated, and reinstalled spark plugs. Compression check 1)75 2)70 3)71 4)67 5)78 6)76/80 psi. Checked and lubricated engine control cables. No AD's apply at this time. See AD compliance report with permanent aircraft records. Operational ground run and leak check satisfactory. I certify this ENGINE has been inspected IAW an ANNUAL inspection and was found to be in an AIRWORTHY condition. ***END**

Signature

Date

07/08/2020

Steve Givens AP3267390IA

ENGINE

Registration Make Model Serial

N711XL

802509

Continental TSIO-550-C1B Hobbs TTSN

729.5

1267.6



Drained oil and took sample for analysis. Removed, cut, and inspected filter with no faults noted. Installed new CH48109-1 filter. Serviced engine with 7 qts 15w-50. Operational ground run and leak check satisfactory. ***END***

Signature

Date

10/23/2020

John Cole Givens AP3740212

KELEASE CIMILED WYINLENVICE

SERIAL NO.		DEL or P/N	OW
9-5-8-199849	t	709	3015
MFG. NAME	,	AMAN TIN	NO /
l cw	119awsSH	Yahre	·/x2 (2)
	•	•	

and on our Work Order are covered by this release. service. Only the labor operations detailed below inspected and found airworthy for return to current regulations of the FAA. The work was above were accomplished in accordance with The repairs to the aircraft component identified

OWNER: WAM: 4 Lakes 12905x # 120001 and org. pistons. repuired Fit + installed Oig rings

DATE: (0)30) WORK ORDER NO. KOON

POPLAR GRØVE AIRMOTIVE, INC. SIGNED FOR:

LAA Approved Repair Station #YYBR664L POPLAR GROVE, IL 61065 11619-U.S. ROUTE 76

ZEKAICEVBIE

(COMPONENTS)

SAMPONENT NAME MFG. NAME Mana

SERIAL NO. 2h-1-1990

MODEL or TYPE

SEPAIRED OTHAULED TESTED MINSPECTED

and is approved for return to service. regulations of the Federal Aviation Administration repaired and inspected in accordance with current The aircraft component identified above was

repair station under: Pertinent details of the repair are on file at this

OWNER: Wan

WORK ORDER No. 2867 DATE (13009

SIGNAD FOR:

POPLAR GROVE/AIRMOTIVE, INC.

POPLAR GROVE, IL 61065 11619 Y.S. ROUTE 76

JA66AYY# noitst2 risq9A bevorqqA AA7

1. Approving Na		AUTHORIZI	EASE CERTIFICATE	3. Form Tracking N					
Authority/Country: FAA/United States		FAA FORM 8130	-3, AIRWO	SAME AS BLOCK 5					
4. Organization Name and	Teleav	ne Continenta road Street	ors PC #508	5. Work Order/Con	tract/Invoice Number:				
	Mobile	, Alabama 3	all plants						
6. ltem	7. Description	Januarit.		8. Part Number:	9. Eligibility:*				
1	CAMSHAFT	-KIT		EQ7002	N/A				
10. Quantity:	11. Serial/Batch Number:	-1):- May 6		12. Status/Work:					
1	Z08KA092	*		NEW					
13. Remarks:									
AIR	WORTHINESS	APPROVAL							
		A. Commercial Commerci							
		9. 9							
	dentified above were n ign data and are in a con ed design data specified in	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Axxxxxxx Block là chewed faccordance with 1 faccordance with 1	**************************************					
15. Authorized Signatures	D 11	16. Approval/Author	rization No.:	20. Authorized Signature:		21. Approval/Certificate Number:			
Manuel	d Nukol	MIR#CE-	-511010	XXXXXXXXXXXXXXX	XX	XXXXXXXX			
17. Name (Typed of Printe	d):	18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):			
Daniel I	. Nicholas	MAR/1	XXXXXXXXXXXXXXX	XX	XXXXXXXXX				
		User	/Installer	Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.									
Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in block 1.									
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.									
, *									

L Approving Cit Authority/Co	ountry: AU	3. Form Tracking Number: 549543			
	ame and Address Continental Motors, Inc. 2039 Broad Stu	FAA FORM 8130-3, AIRWOR		PC #508	5. Work Order/Contract/Invoice Number 699712 0000273597
i. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
, 1	TUBE ASM T/BODY	656788	10	N/A	NEW
12 Remarks: AIRWOR	THINESS APPROVAL				
X Appro	Thomas H Howard		Ltd. 14 CFR 43.9 Return to Service Certifies that unless otherwised specified in I accomplished in accordance with Title 14. Co are approved for return to service. 14b. Authorized Signature:	Und 12 the work identifi	ion specified in Block 12 ied in Block 11 and described in Block 12 was s, part 43 and in respect to that work, the items 14c. Approval/Certificate No.: 14c. Date (dd/mmm/yyyy):
Inomas	n. nowaru		ıller Responsibilities		
Where the use Block 1, it is es specified in Blo	r/installer performs work in accordance v sential that the user/installer ensures tha ock 1.	with the national regulations of an a t his/her airworthiness authority ac allation certification. In all cases, ai	illy constitute authority to install the aircra firworthiness authority different than the a cepts aircraft engine(s)/propeller(s)/article(reraft maintenance records must contain a	irworthiness authors) from the airworth	rity of the country specified in hiness authority of the country