TELEDYNE CONTINENTAL



Gold Medallion Aircraft Engine

USE ONLY FUEL CONFORMING TO ASTM D910.

USE OF AUTOMOTIVE GAS IS NOT APPROVED.

NEW ENGINE LOC

NHITU

AIRCRAFT N NUMBER

IO550013B

ENGINE MODEL NUMBE

680020

ENGINE SERIAL NUMBE

This engine model ZOSSOD 13B. Serial No. 680020, was manufactured on 2-9-9 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

1 tol 18243 arending

TYPE	MAXIMUM H.P MAXIMUM R.P.M STROKE	OIL PRESSURE
PROPELLER	MAXIMUM BLADE H.P	BLADE SERIAL NO.
OWNERS NAME		_ STATE

Date: 4/21/99 Aircraft: N44TU Type: CESSNA A185S S/N: 18503616 LICENSE Tach Time: .3 Total Time: 1824.3 TCM IO-550D-13B S/N: 680020 Time: .3 .INSTALLED IO-550-D SN#680020 IN THE ENGINE MOUNT USING NEW ATTACHING RE NUMBER HARDWARE. RECONNECTED THE PLUMBING USING NEW OIL AND FUEL HOSES AND CONNECTED THE ENGINE CONTROLS USING NEW ENGINE CONTROL CABLES, BRACKETS AND RETAINERS IN ACCORDANCE WITH BONAIRE CONTROLS, MIXTURE & THROTTLE DRAWING #BN180-403. INSTALLED EXISTING EXHAUST SYSTEM WITH NEW ATTACHING HARDWARE. INSTALLED COWLING AND BAFFLING. MODIFIED #2 -CYLINDER BAFFLING PER BONAIRE AVIATION COMPANY DRAWING #1 DATED -1/17/94 REVISION C BOAC 1009. MODIFIED OIL COOLER BAFFLING PER DRAWING -#2 DATED 1/17/94 REVISION C BOAC 1009. INSTALLED BAFFLING TO CONFORM -TO BONAIRE AVIATION COMPANY INSTALLATION INSTRUCTIONS AND STANDARD MAINTENANCE PRACTICES AS PER AC43.13-1B. INSTALLED NEW HARTZELL PROPELLER PN# PHC-C3YF-1RF/F8468A-6R SN#EE2898A AND RELATED SPINNER PN#C3532-7P SN#AC-6021 PER BONAIRE DRAWING #6 DATED 1/17/94 REVISION C BOAC 1009 AND HARTZELL MANUAL #115N. THE FUEL FLOW/MANIFOLD PRESSURE GAUGE WAS REMOVED FROM THE AIRCRAFT AND EXCHANGED WITH A EXCHANGE FUEL -FLOW/MANIFOLD PRESSURE GAUGE PN#6331-H35 SN#103473 MODIFIED PER STC -SA2830SO. THE TACHOMETER READING 1823:00 WAS REMOVED FROM THE AIRCRAFT -AND EXCHANGED WITH A NEW TACH PN#D1-112-5025 SN#9259 READING 00:00 AND -MARKED IN ACCORDANCE WITH STC SA2830SO. THE PROPER DUKES PUMP CESSNA -PN#C291504-0201 WAS PREVIOUSLY INSTALLED. THE PUMP WAS TESTED ON LOW

POSITION AT 6 PSI WITH A PRESSURE GAUGE ATTACHED TO THE FUEL LINE AT THE FIRE WALL FITTING PER BONAIRE INSTALLATION INSTRUCTIONS AND STC SA2933SO. THE ENGINE WAS GROUND RUN NO FUEL OR OIL LEAKS ARE EVIDENT SA293TO THE PROPELLER GOVERNOR WAS ADJUSTED TO THE HIGH RPM AT THIS TIME AND THE PROPELLER GOVERNOR WAS ADJUSTED TO THE HIGH RPM AT THIS TIME AND THE AIRCRAFT WEIGHT AND BALANCE AND	RE LICEN
AT THIS TIME AND THE PROPELLER GOVERNOR WAS ADJUSTED TO ALL ALL THE ALL THE ALL THE ALL AIRCRAFT WEIGHT AND BALANCE AND STOP PER HARTZELL MANUAL #115N. THE AIRCRAFT WEIGHT AND BALANCE AND EQUIPMENT RECORDS WERE MODIFIED THIS DATE TO REFLECT CHANGES. INSTALLED THE FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED MAY 31, 1994 IN THE AIRCRAFT N44TU FLIGHT MANUAL SUPPLEMENT SECTION. THE AIRCRAFT WAS TEST FLOWN USING NORMAL BREAK-IN PROCEDURES, ALL AIRCRAFT OPERATIONS ARE NORMAL AT THIS TIME. ALL THE ABOVE WORK WAS PERFORMED OPERATIONS ARE NORMAL AT THIS TIME. ALL THE ABOVE WORK WAS PERFORMED IN ACCORDANCE WITH BONAIRE AVIATION COMPANY STC#SA2933SO AND BONAIRE INSTALLATION INSTRUCTIONS BOAC 1009-1, REVISION C DATED 1/17/94. JAMES N. BROD JR. A&P 595362616	
END-/ Wester II	
BROUGHT FORWARD	
TOTALS	

			71	145.0		· -							
DATE	R.P.	.м.		ME O ROUN			AIR	N	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICE
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	р	0. 80	(567							PF AT	CHAFT AND OR CUMPONENT IDENTIFIED AD	Web with	
	OSEL	ND, F	L 32	957						REPAIR	D AND INSPECTED IN ACCORDANCE WITH C	CURREN)	
	CREATIFY I	₩ 41 Î 18	FAIL	2/1	= MAS	BEEN NY	ircur	A		Daniel Broke	APPROVED FOR RETURN TO SERVICE,	RAFR!!	
181	ACCORD/	MCE WI	HALL	VV						DATE _	7/20/00 TOTAL TIME 6		/
0 0	AS DETE	0/9	9 Ti		IME	6.5		**		EIGIVED	Min Rolling	Ins	
	GNED	Charles States	RRIN B	PARAI	SHAWA	RP 1883	234	2		8	WARREN B. BRADSHAW ARP 144	5,5,5,2,6	
ROUG	HT FORWA	ARD											
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		PRO THE AND SER	IPLIE CED CRA RES VICE	URE NKS ULT E. (SI	S AN SHAF S WE EE TO	TCM I ID US T SAM ERE F CM TA	JAME: A&F MSB SING MPLE RETU AG)	5 N BHG 595367 00-5 TCM ES WI JRNE	IN AC SUPP ERE S D ACC	CORE LIED SENT CEPT	DANCE WITH TCM TOOLS AND EQUIPMEN TO TCM FOR INSPECTION ABLE FOR RETURN TO	-		

DATE	R.P.	м.	570	IME OI			TIME II	V	TOTA	- TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICE		
DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			NUA		
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	ch Time		9.1,	TON	A TO	-550I	1-13	B 57	V: 68	0020	Time: 19.1 TTSN				
	MPLETE		NUĀĹ		SPĒCI		CHE	CK L			IS AIRCRAFT ENGINE				
TH	IS DATE		EMOVE			ENGIN			ILTER						
TH	E FILT		LEMEI		NO N	METAL		MATIN			AS FOUND IN THE	·			
- FI	LTER.	INST			NEW	CH48			ACCOF				-		
IN		IONS		THE.	FILT		AFT			IGINE		4			
				LATION WAS INSPECTED FOR LEAKAGE AND NO LEAKAGE IS											
		AT TE		IS TIME. THE ENGINE OIL WAS NOT CHANGED AT THIS									1		
		MPLET	TEL S	COME	PENE	S L UN						Value and the second			
	CORDAN				FINE			VICE		ETIN					
	IE COMPI	KEDD.	TON	GAGE		SING BORROUGHS TOOL 646953A. USING THIS EADINGS ON THE LOW PRESSURE GAGE OF 48 LBS									
	OCEDURI EN THE	HIGH			READS		- BS	ARÉ	ACCE	PTAF			-		
	NO LE					LVES.	TH	E CO	MPRES			.S			
	LLOWS:	#1	วีดวีลิเ					2/80		70/80					
		HËŜE			SSION				IN TH	IE PA	ARAMETERS CALLED OUT	-	+		
- IN		84-15	5. RI		STALI	LED A	A CL		ON TH		EFT REAR INTAKE		-		
MA	NIFOLD	RUBI	BER (COUL	PLER.	. ADJ	JUST	ED T	HE EN	IGINE	IDLE DOWN TO 650	1			
RF	PM.														
	IIS AIR			GINE				NSPE			ACCORDANCE WITH AN		-		
		NSPE	CTIO	N AI				MINE	D-TO	BE	N AIRWORTHY				
CC	NDITION	N P	ERTI	NEW.	L DE.	TAILS	OF		AINS	PECI	ION ARE ON FILE AT				
TE	IIS AGEI		JNDE!			ORDE	Vie		7-3	2	TJW4R585M				
	RTER A		OGER	ENIC	SMIT			1 -	REPA.	D C11	TATION. SEBRING FL.				

Date: 11/29/2001, Aircraft: N44TU, Type: CESSNA A185F, S/N: 18503616, Tach: 31.1, Total Time: 1855.1 COMPLETED ANNUAL INSPECTION CHECK LIST THIS DATE ON THIS ENGINE. DRAINED ALL OF THE OLD OIL OUT OF THE SUMP. REMOVED THE OIL FILTER AND FOUND METAL CONTAMINATION INSIDE THE FILTER. FILLED THE ENGINE UP WITH PHILLIPS 25W-5 OIL. INSTALLED A NEW CH48109 FILTER AND TEST RAN THE ENGINE TO CHECK FOR OIL LEAKAGE. FOUND NO LEAKS AT THIS TIME. COMPRESSION ON THIS ENGINE IS AS FOLLOW. #1 72/80 #2 70/80 #3 72/80 #4 73/80 #5 75/80 #6 70 /80. ALL OF THESE COMPRESSIONS ARE WIN THE PARAMETERS CALLED OUT IN S/B M84-15. ADJUSTED THE ENGINE TO MAGNETO TIMING ON BOTH MAGNETOS IN ACCORDANCE WITH THE ENGINE OVERHAUL MANUAL FOR THIS ENGINE. THIS ENGINE. THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAIL OF THIS INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NUMBER 4909. 11/29/2001 ROGER E. SMITH UW4R585M CARTER AIRCRAFT, INC. FAA APPROVED REPAIR STATION. SEBRING FL.	5475	R.P.	м.		ME O ROUN			TIME I	Ν	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	
1855.1 COMPLETED ANNUAL INSPECTION CHECK LIST THIS DATE ON THIS ENGINE. DRAINED ALL OF THE OLD OIL OUT OF THE SUMP. REMOVED THE OIL FILTER AND FOUND METAL CONTAMINATION INSIDE THE FILTER. FILLED THE ENGINE UP WITH PHILLIPS 25W-5 OIL. INSTALLED A NEW CH48109 FILTER AND TEST RAN THE ENGINE TO CHECK FOR OIL LEAKAGE. FOUND NO LEAKS AT THIS TIME. COMPRESSION ON THIS ENGINE IS AS FOLLOW #1 72/80 #2 70/80 #3 72/80 #4 73/80 #5 75/80 #6 70 /80. ALL OF THESE COMPRESSIONS ARE WIN THE PARAMETERS CALLED OUT IN S/B M84-15. ADJUSTED THE ENGINE TO MAGNETO TIMING ON BOTH MAGNETOS IN ACCORDANCE WITH THE ENGINE OVERHAUL MANUAL FOR THIS ENGINE. THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NUMBER 4909. 11/29/2001 ROGER E. SMITH UW4R585M CARTER AIRCRAFT, INC. FAA APPROVED REPAIR STATION. SEBRING FL.	DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
BROUGHT FORWARD			185 DR. ME OIL LEA #1 IN TIM THI INS	55.1 C AINED TAL C INST AKAGE 72/80 F THE P MING C IS ENC IS AIR SPECT THIS	ALLE ONT, ALLE FO ARAI ON BO SINE CRAI ION	PLETE OF TH AMINA ED A N FUND N FOR TH AMINA FT EN FT	D ANN HE OLD ATION I IEW CH NO LEA 72/80: RS CAL IAGNE GINE H VAS DE ON ARE	UAL NSID H4810 KS F H4 73 LED TOS HAS E ETER E ON	OUT CODE THE CODE THE CODE THE CODE THE CODE IN ACCURATE OF CODE CODE CODE CODE CODE CODE CODE CODE	CTION COPTION	CHECK SUMF FILL TES COM 6 70 /8 34-15. ICE W TED IN IN All AGEN	K LIST THIS DATE ON THIS END. P. REMOVED THE OIL FILTER ALED THE ENGINE UP WITH PHAT RAN THE ENGINE TO CHECUPRESSION ON THIS ENGINE IS BOOK ALL OF THESE COMPRESSION ALL OF THESE COMPRESSION THE ENGINE TO DETENDENT OF THE ENGINE OVERHAUL N. ACCORDANCE WITH AN ANTERWORTHY CONDITION. PERTON UNDER WORK ORDER NUMBERSESSION	NGINE. AND FOUND ILLIPS 25W-5 K FOR OIL IS AS FOLLO SIONS ARE W MAGNETO MANUAL FO NUAL INENT DETA	VVIII
BROUGHT FORWARD														1
	BROUG	HT FORW	ARD										A CHANG	

DATE	R.P.	м.	100	ME O ROUN			TIME II AIR	4	TOTAL	TIME	REPAIRS – ADJUSTMENTS	SIGNATURE	LICE
DAIL	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	KEI AIKS ADSOSTMENTS	SIGNATORE	NUM
	6800 remo 25W #2 70 in S. inspe	20 ved f 50WT 0/80 # /B M ection	filter 7. Oil 3 70/8	JAL and and 30 #4 Thas be	installe 72/80 is aircen det	No med new 0 #5 72	ON Enetal v Charles 2/80	NGIN found ampior #6 70/	l. Refil n CH48 80. Con been in	led ended to the second	ONTINENTAL IO550-D S/N Drained oi ngine with 12qt,s of Phillip il filter. Comp. test - #1 68/80 sions are within limits called ou ed in accordance with annual dition 393468327 IA Joseph A	il s 0 tt	
					G								
BROUGE	TOTALS												

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS SIGNATURE	LI
DATE	Ground					
	DAT	E. 1-2-04 REG	N44TU TACH: 4	8.3 TT: 1874	1.3 S/N 18503616 A185-F	
	127	TIAL DIODECT	ON ENGINE C	ampleted anni	ual inspection check list. Removed	
	1	1 1 -1	ad Compression t	est is as tollo	ws. 1-69/80 2-72/80 3-70/80 4-	
	spari	of 74/00 6 70/	en. Compression of	are within lir	mits called out in SB M84-15. I	
_	72/80	0 5- /4/80 6- /0/	ou. Compressions	ed in accorda	nce with annual inspection under	
	certi	ty that this engine	e nas been inspecti	en maccorda	cid Lakes LLC. 100 Airport Rd.	
	W/O	362 at this facili	ty. Aircran Maine	enance of ria	on in airrorthy-condition	
	Lake	Placid, Fl. 3385	2 and has been de	termined to b	be in airworthy condition.	
	AP 3	393468327 IA. Jo	seph A. Benton _	Jaresh	H. Jones	
			/		_	
	Date: 1/11/20	04, Aircraft: N44TU, Ty	pe: CES\$NA A185F, S	/N: 18503616, Ta	ch: 62.0, Total Time: 1886.0 REMOVED THE TOP	
	REPLACED TH	E STARTER SOLEN	ID, P/N \$A1577A1. TE	ST STARTED TH	E ENGINE SEVERAL TIMES WITH OUT	
	THE A RCRAF	AND/OR COMPONE	NT IDENTIFIED ABOV	E WAS REPAIRE	D AND INSPECTED IN ACCORDANCE WITH	
	REPAIR ARE	A REGULATIONS AND	WAS FOUND AIRWO	THY FOR RETU	JRN TO SERVICE. PERTINENT DETAILS OF THIS	
	11/11/2004 RC	DIGER E. SMITH	and Vindo	UW4R585M	3047.	
BROUG	CARTER AIRC	PAFT, INC. FAA APP	OVED. SEBRING FL.			
	TOTALS					-

DATE: 2-1-05 TACH: 65.6 REG: N44TU CONT. IO550D13B S/N 680020 ANNUAL INSPECTION ENGINE: Removed engine cowl and completed annual inspection check list. Compression test is as follows. 1- 65/80 2- 70/80 3- 70/80 4- 70/80 5- 74/80 6- 66/80. Drained oil and refilled with 11 qts. Phillips 25W 50WT. oil. Removed oil filter and inspected. No metal found. Installed a Champion CH48109-1 filter. Cleaned gaped and reinstalled spark plugs. Removed cleaned and reinstalled all injector nozzles. All work was completed in accordance with current FAR under W/O 484 at this facility, Aircraft Maintenance of Placid Lakes LLC. 100 Airport Rd. Lake Placid Fl. 33852 LVPR732X. I certify that this engine has been inspected in accordance with annual inspection and has been determined to be in airworthy condition. AP 393468327 IA. Joseph A. Benton	DATE	R.P.	м.	1	ME O			TIME I AIR	N	TOTAL	TIME	REPAIRS – ADJUSTMENTS SIGNA	CI IR F	LICENSE
ANNUAL INSPECTION ENGINE: Removed engine cowl and completed annual inspection check list. Compression test is as follows. 1- 65/80 2- 70/80 3- 70/80 4- 70/80 5- 74/80 6- 66/80. Drained oil and refilled with 11 qts. Phillips 25W 50WT. oil. Removed oil filter and inspected. No metal found. Installed a Champion CH48109-1 filter. Cleaned gaped and reinstalled spark plugs. Removed cleaned and reinstalled all injector nozzles. All work was completed in accordance with current FAR under W/O 484 at this facility, Aircraft Maintenance of Placid Lakes LLC. 100 Airport Rd. Lake Placid Fl. 33852 LVPR732X. I certify that this engine has been inspected in accordance with annual inspection and has been determined to be in airworthy condition.	DAIL	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	KEPAIKS - ADSOSTMENTS STOTAL	IOKL	NUMBER
			AN insp 5- 7 oil 1 gap All Airc LV insp	NUAL pection (4/80 6 filter and ed and work work work work work) PR732 pection	INS checked for the characteristics of the characteristics of the characteristics of the ch	SPECTOR SPECTOR SPECTOR STATEMENT OF THE PROPERTY OF THE PROPE	COMPARISHED COMPARISHED COMPARISHED COMPARISHED COMPARISHED COMPARISHED COMPARISH COMPARISM COMPARISH COMPARISM COMPARISH COMPARISH COMPARISM COMP	end press oil a meta plug acco acid this e	INE: Find refind found gs. Renordance Lakes Ingine Itomes	Removed is as folled with Install hoved ce with ce LLC. 10 has been be in ai	d engi bllows h 11 d led a leaned urrent 00 Air	ine cowl and completed annual s. 1-65/80 2-70/80 3-70/80 4-70/80 qts. Phillips 25W 50WT. oil. Removed Champion CH48109-1 filter. Cleaned d and reinstalled all injector nozzles. t FAR under W/O 484 at this facility, rport Rd. Lake Placid Fl. 33852 ected in accordance with annual		

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	repairs – adjustments	SIGNATURE
DATE	Ground Air	Hrs. Min. Total	Hrs. Min. Total	Hrs. Min.		
	A-185 Remo 3-72/ inspe clean rocke	25-F. TC. IO550I oved cowl and co /80 468/80 5-75/8 ection check list. ned and reinstalle er cover hardware	D13B S/N: 680020 completed static rur 80 6-66/80. oil cha Cleaned and gape ed. Tightened oil di	O ANNUAL of the compression of the compression of the complex of t	ITU S/N: 18503616 CESSNA INSPECTION ENGINE: on test is as follows. 1-76/80 at this time. Completed annuals and reinstalled. Removed in the installed safety wire. Tight we current FAR. I certify that all inspection and has been detail. A. Benton	2-76/80 al jectors tened all this
				+		
BROU	GHT FORWARD				-	
-	TOTALS					

DATE	R.P.	м.	10000	ME O ROUN	750		AIR	N	TOTAL	TIME	REPAIRS – ADJUSTMENTS SIGNATU	IRE
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.		, ((2
	Date:	3/27/20	7; Aircr	ft: N4	4TU; Ty	pe: CES	SNA A	185F; S	N: 185036	16; Ta	ch: 78.70; Total Time: 1902.70; Engine - Type: TCM	
	10-55	D-D-13B.	S/N: 68	0020.	Time: 7	8.70; Pro	р - Ту	pe: PHC-	C3YF-1RF	/F8468	A-6R, S/N: EE2898A, Time: 78.70	
	Comp	leted and	rual insp	ection	check I	st this da	te on	this aircr	aft engine	Draine	d all of the hot oil out of the engine sump Removed	-
	the oil	filter and	cut ope	n. Ins	pected t	he oil filte	r eler	nent and	no metal	contam	ination was found inside. Filled the engine with	19
	Phillip:	s X/C oil	and inst	alled a	new C	H48109-1	filter.	Test rai	the engir	e and	nspected for oil leakage. No oil leakage is evident at	
	this tin	ne. Com	pleted co	mpre	ssion te	st on this	Conti	nental en	pine in ac	cordan	e with Continental Service Bulletin SB03 3, section	
	(B). C	alibrated	the com	press	on gage	s using E	Boroug	hs tool 6	46953A. L	sing th	is procedure compression readings on the low	
	press	ire gage	of 48 LE	S who	en the h	gh gage	reads	80 LBS 8	re accept	able as	long as there is no leakage by the valves. The	
	compr	ession o	n this er	gine i	s as follo	ws: #1 7	6/80 #	2 67/80	3 74/80 #	# 77/80	#5 74/80 #6 70/80. All of these compressions are	
	within	the para	meters o	alled	out in SI	B03-3. R€	move	d the orig	inal Brack	ett air	Iter element and installed a new element, BA-8103-	1.
1	Inspe	ted the	3rackett	air filt	er housi	ng for cor	dition	and four	d it to be	in good	condition, the screen was well attached and the	
	gasket	t was se	cure. Th	s filte	elemer	t required	repla	cement	nce each	year o	once each 200 hours of operation which ever come	s
	first. R	Replaced	damage	d R/H	cowl fla	p rod end	l rubb	er bushin	g with nev	asser	bly, P/N J-14290-4.	
	This a	ircraft e	gine has	beer	inspect	ed in acc	ordan	ce with a	ANNUAL	inspe	ction and was determined to be in airworthy condition	١.
	Pertin	ent deta	s of this	inspe	ction a	on file a	this	agency u	nder work 4R585M	order r	umber 6372	
	3/2/12	2007 RO	er E. Si	mitn_	1/4	pair Stat	_	UVV	4KS6SIVI	OHERMAN		
-	Carter	Aircraft	Inc. FAA	Appr	oved Re	pair Stat	on. Se	ebring, Fi	40			-
-			-									
-+		-										
-												
OUGH	T FORWA	RD			AND DESCRIPTION							
	TOTALS	s										

DATE	R.P.	.м.	10.000	IME ON	7757-5557		TIME II		TOTAL 1	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE
JAIL	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	. Total	Hrs.	Min.		
											Tach: 81.10: Total Time: 1905.10: Engine	- Type: TCM
											468A-6R, S/N: EE2898A, Time: 81.10	1 2 3 12 2
	CON	pieted a	nnual III	Specur	on checi	retalled	date t	In this en	nne. Remi	oved tr	the engine oil filter and cut open. Found no est ran the engine. No oil leakage was evi	metal
											engine in accordance with Continental Se	
	SBC	B-3. sec	on (B).	Calibr	ated the	compres	ssion	ages usi	a Boroug	ns tool	946953A. Using this procedure compress	ion readings
	on th	the low pr	ressure g	gage of	of 48 LBS	9 when th	he high	h gage rea	ads 80 LBS	S are a	acceptable as long as there is no leakage I	by the valves.
	The	compres	sion on t	this er	rgine is	s follows	s: #1 7	2/80 #2 F	6/80 #3 7	\$/80 #/	4 68/80 #5 76/80 #6 66 /80. All of these co	mpressions
						in SB03						
	This	aircraft	engine h	as bee	n insper	cted in ac	corda	nce with	an ANNUP	Linsp	ection and was determined to be in Airwo	rthy condition
	Perty 5/2	nent deu	alls of the	s insp	egtion a	are/on file	at this	agency	under work W4R585M		number 6724.	
'	Car	ter Aircra	t Inc. E/	AA AD	ardved f	Anair St	ation.	Sebring, F		A charled	Service Services	4
					10.00,	opu		BCDg.		-	and the second second second	
	1			'								
	1		\vdash	+	-						The state of the s	
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	+	+	 '	+'		-	-			-		
	1-	+	 '			-	-		 	-		
		+				-	+-		1			+
BROUG	SHT FORWA	ARD		+-		+						-
		TOTALS									1	

DATE	R.P.	м.	0.550	ME OI			AIR	N	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN
-/11-	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			NUM
	Date: 5/0	7/2012; A	kircraft: N	144TU	; Type:	CESSNA	A185	F; S/N: 1	8503616;	ach: 8	3.10; Total Time: 1907.10; Engine - Type	: TCM	
	O-550-D-	13B. S/N	: 680020	D. Time	e: 83.10	Prop - T	vpe: F	HC-C3Y	F-1RF/F84	68A-6	R, S/N: EE2898A, Time: 83.10		
	Complete	d annual	inspection	n che	ck list th	is date o	n this	engine. [rained all	of the I	ot oil out of the engine sump. Removed t	he oil	
	ilter and	ut open.	Inspecte	d the	oil filter	element :	and n	p metal c	pntaminat	ion was	found inside. Filled the engine with Philli	ps X/C	
	25W-60w	. oil and	installed	a new	CH481	09-1 filte	. Tes	t ran the	engine an	d inspe	ted for oil leakage. No oil leakage is evic	ent at	
	his time.	Complete	d comp	essio	n test or	this Con	tinent	al engine	in accorda	nce w	h Continental Service Bulletin SB03-3, se	ection	
	B). Calibr	ated the	compres	sion d	ages us	ina Boro	uahs t	bol 6469	3A. Usino	this pr	ocedure compression readings on the lov	/	
	pressure d	age of 4	8 LBS w	hen th	e high c	age read	s 80 L	BS are a	cceptable	as long	as there is no leakage by the valves. The	e	1
	compress	on on th	s enaine	is as	follows:	#1 74/80	#2 70	/80 #3 7	/80 #4 74	180 #5	75/80 #6 72 /80. All of these compression	s are	-
	within the	paramet	ers calle	d out il	n SB03-	Cut sa	fety w	re on the	oil sump	quick d	ain fitting jam nut. Tightened loose nut ar	nd safety	
	wired in p	ace. Inst	ected fo	r oil le	akage a	nd no lea	kage	is eviden	at this tin	e. Tigl	tened the alternator belt to the proper ter	sion as	
- 19	brescribed	l in the n	aintenai	ice m	anual fo	this airc	aft. Ir	spected	he alterna	or bra	kets and belt for condition and safetied the	ne	
	adjusting t	oolt on th	e alterna	tor. R	eplaced	missing	screw	in the rea	r engine	affle a	diacent to the right magneto.		
	This aircra	ft engine	has be	en ins	ected in	accorda	nce w	ith an AN	NUAL Ins	pection	and was determined to be in AIRWORTH	łΥ	
	condition.	Pertiner	t details	of this	inspect	on are or	n file a	t this age	ncy under	work c	rder number 7940.		
	5/7/2012	Roger E.	Smith 1	49	10	-	U	W4R5851					
	FAA Appr	oved Re	oair Stati	on, C	arter Airo	raft Inc.	Sebrin	g Fl.	Mark.			1 4	
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BROUG	HT FORWA	ARD											
	TOTAL	S											

	R.P.	м.	•	IME OI	0.00		TIME II	7	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN
DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			NOW
				N44' The insid	le of the	er six he eng	cyline sine w	der wa vas visu	ially in Il detai	specto Is loo	om N44TU and inspected for ed thru the #6 cylinder base, to knormal at this time. The cylinder base was also the cylinder base.	he lifters and linder was re-	
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BROUC	SHT FORWA	ARD	†										
	TOTAL	S											

N44TU 6/21/12 Tach 118	SIGNATURE	NUME
6/21/12 Tach 118 Drained oil inspected filter added 11 qts 20W50 Phillips, replaced alternator with Plane Power and replaced voltage regulator I certify that this engine has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition. Michael Petrie AP563085689 MLJ Aircraft Services		
120/12 Trettems 193.4 Replaced Nose SEAL. B. Willett	2005853	
DUGHT FORWARD		

	R.P.	M		IME OI			TIME II	٧	TOTAL	TIME	DEDAUG AD HISTAGENTS	SIGNATURE	LICENSE
DATE	Ground	Air	Hrs.	ROUN Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	REPAIRS - ADJUSTMENTS	STOTATIONS	NUMBER
5/3//	3 TAK	HIIN	-	3,	Total	LIE	12/	65	CHA	5=A)	Checker Comp. # 1 6/50#	B-NED	C 1200
	#5- BOTH	20 7 0 = 1	4679	054	CHA	85A)	Or Ir	人人	PETERS FM AN	XC 3	18AU + GARE PLUES. 1	ED MEE A	POPUL
	REAL	NES 7	FY 7	wf	ok,	Per	1-8 1-8	ELK	ba (12/	ED A ANNUAL INCO	1.12-3-6 selver 1	WUE !
	Cour	al t	abi	- 1		ve)	The same of the sa	2	2 1	191	Buldi	Kanas	*55
0/2		- 1/	75-0	4 10	31.2	04	A-0-5	00	L (Ph	4/12	8X-C201050). Tayon	MENGAM	Tisde
415	GAL	ACH 12	IIM E	3 325			m.	2000	A C 16	7	Still	1-A2208	*55
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BROUG	GHT FORW	/ARD											
	TOTA	LS					٠,						

3625 Aircraft Drive Anchorage, AK 99502	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Date: 7/1/14 Tach: 196.4 TSO/196.4 Engine- Compressions: 1- 72/80 2- 70/80 3- 74/80 4- 72/80 5-74/80 6-68/80 master orifice = 44. Solvent cleaned engine. Checked all engine control rigging and security. Removed, cleaned, gapped and tested all spark plugs. Removed disassembled fuel flow transducer cleaned due to leak, reassembled and leak checked. Removed fuel shutoff valve, rebuilt with overhaul kit. Replaced fuel strainer stand pipe. Replaced air filter. Checked magneto timing. Drained oil, inspected oil filter and found no contamination, installed new filter and serviced with 10qts. Phillips XC 20-50 Replaced air filter. Replaced alternator belt. I certify that this engine has been inspected in accordance with the requirements of FAR Part 43, Appendix D for an annual inspection and was found to be airworthy. Brian Leist I.A. 392728127			
	The second secon		

BROUGHT FORWARD

TOTALS

DATE	R.P.	м.		IME O			TIME II	4	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICE
DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	KEI / IKO / KOSOS (MEL 17)	STOTATIONS	NUM
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_ N 4 Con		gine- s: 1-73	/80 2-6				0 5-75				rifice was		
— spai — coni — Posi	rk plugs. taminatio t mainten	Checken). Torance ru	ed magi qued ro in and l	neto ti ocker d leak ch	ming. I cover g neck wa	Orained askets. is accor	oil, re Servic mplish	placed of ed with ed. I cer	oil filter 10qts Pl tify that	(old filt nillips X this eng	cC-20/50.		
	n inspecte innual ins										ndix D for		
BROUG	HT FORWA	RD											
	TOTAL	S					1 miles						

FNCINE LOG

1BER

CONTINENTAL IO-550-D S/N 680020 IRAN INSPECTION IAW MANUAL # X30607 WITH THE FOLLOWING PARTS INSTALLED: CRANKCASE INSPECTED ID # A189906R, 1EA 646623 CRANKSHAFT INSPECTED S/N A309907N, 6EA 655911 CONNECTING ROD ASM O/H, 1EA P/N 653052 CAMSHAFT REGROUND S/N 184566, 6EA P/N 658592 P10 CYLINDER ASM O/H, 1EA P/N 639717-2 AIR FUEL CONTROL CONTINUED TIME S/N L069801A, 1EA 646508-15A2 MANIFOLD VALVE CONTINUED TIME S/N D20998C, 1EA 646212-1 FUEL PUMP CONTINUED TIME S/N L069810B, 1EA 10-349350-4 MAGNETO O/H S/N LY60136A, 1EA 10-349350-5 MAGNETO O/H S/N LY60136B, 1EA TCM IGNITION HARNESS CONTINUED TIME, 1EA 654593 OIL COOLER CONTINUED TIME S/N J98-2753-470, 1EA 643259A18 STARTER ADAPTER O/H S/N LY60136, 1EA 646275-1 STARTER O/H S/N IJ-079810, 1EA 646592A2 BEARING SET, 12EA 642398 BEARING, 1EA 537721 BEARING, 6EA 656990 BOLT, 8EA 350998 BUSHING, 16EA 639193 BUSHING, 16EA 629104 RET RING, 16EA 643629 PLATE, 4EA 643626-105 ROLLER, 2EA 643626-104 ROLLER, 2EA 643626-103 ROLLER, 4EA 654589 BOLT, 1EA MS35756-8 KEY, 6EA 628488 LIFTER INTAKE, 6EA 646277 LIFTER EXHAUST, 12EA 655958 ROD BOLT, 12EA 654490 NUT, 1EA 646548A1 GASKET SET, 4EA 2024 PLUG, 1EA 535823 GASKET, 1EA 631928 HOSE, 1EA 631266-1 CLAMP, 1EA 641250 SEAL, 10EA 654439-1 HOSE, 2EA 631972 CLAMP, 1EA 629163-5 CLAMP, 1EA 632762 NUT, 1EA X1473 GASKET, 8EA 530658 BUSHING, 2EA 10-400561 BEARING, 2EA MS16624-1037 RING, 2EA 10-349249 WASHER, 2EA 10-400567 BEARING, 2EA 10-90751-18 PIN, 6EA 10-53397 WASHER, 2EA 10-50752 WASHER, 2EA KA10-400615 CAPACITOR, 1EA 10-51324 SPRING, 2EA 10-400009 DATA PLATE, 2EA 10-349248 SLINGER, 2EA 10-391309 WASHER, 2EA 10-391213 SCREW, 2EA AB163374 FELT STRIP

PAGE 1 OF 2

LY-CON REBUILDING CO.

8231 W DOE AVE VISALIA CA 93291 (559) 651-1070

2EA AB160844 BRUSH, 4EA 10-349219 WEDGE, 2EA AB382584 CONTACT, 2EA 502102-1 RET RING, 6EA SA630046 PISTON PIN, 1EA X13041 BEARING, 1EA MS16626-3078 RING, 1EA 534685 BEARING, 1EA 643109 SPRING, 1EA 641368 NEEDLE BEARING, 1EA 653750 GASKET, 1EA 534715 RING, 1EA 502287-3 DATE RET RING, 1EA 534980 SLEEVE, 1EA AN123862 O-RING, 1EA 10-51324 SPRING, 1EA 646328 SEAL, 1EA MS9021-038 O-RING, 1EA 7977 SHIM, 1EA 653749 GASKET, 1EA 657175 CRANK GEAR, 1EA NAS1805-4 NUT, 1EA MS21042-5 NUT, 1EA 631683 COUPLING, 1EA 656818 CAM GEAR, 6EA SA643766-1P05 GUIDE, 6EA 646985 SEAL, 24EA 24802 KEY, 6EA SA5000-SC5-P10 RING SET, 18EA 2441 NUT, 3EA MS21044N3 NUT, 2EA 539058 WASHER, 1EA 654857P010BP PISTON BALANCE PACK, 1EA 534938 SEAL, 2EA 646605 NUT, 1EA 501867 WASHER, 1EA 656209-1 LEVER, 1EA 656209-11 LEVER, 4EA 655269 CUSHION, 4EA 630979-9 O-RING, 6EA 24764 SCREW, 12EA RHB32E SPARK PLUG, 6EA 652436-1 CLAMP, 1EA CH48109-1 OIL FILTER, 6EA MS27215-2 DESSICANT PLUG. PORT FLOW & BALANCE CYLINDERS. TEST RUN 2.0 HOURS. REFERENCE WO 60136. PAGE 2 OF 2 8231 W DOE AVE VISALIA CA 93291 (559) 651-1070 LY-CON REBUILDING CO. THIS AIRCRAFT ENGINE IDENTIFIED ABOVE HAS BEEN REPAIRED AND/OR INSPECTED IN A CORDANCE WITH CURRENT FEDERAL AVIATION ADMINISTRATION REGULATIONS AND A SAPPROVED FOR RETURN TO SERVICE. PERTINENT ATION NO ER WORK ROER 60136 DATE 4/25/17 OF THE REPAIR ARE ON FILE AT THIS REPAIJ SIGNED AYCON REBUILDING CO VISALIA CA BROUGI REPAIR STATION CT3R435L

CENSE

JMBER

-00000000000000000000000000000000000000		AD COMPLIA	NCE LIST = CONTINENTAL IO-550-D S/N 680020		
DA1		2016-16-12	N/A BY CYLINDER MANUFACTURER IAW THIS AD	SIGNATURE	LICENSE
		2014-05-29	N/A BY CYLINDER MANUFACTURER IAW THIS AD	JIONATORE	NUMBER
		2012-03-06	N/A BY FUEL INJECTOR MODEL IAW AVSTAR MSB AFS-SB6 R2		
		2010-11-04	N/A BY LIFTER P/N IAW TCM MSB 09-8A		
		2009-19-07	N/A BY CYLINDER MANUFACTURE DATE IAW TCM MSB 09-1B		
-		2004-08-10	N/A BY CYLINDER MANUFACTURER IAW THIS AD		
		. 2000-23-21	N/A BY ENGINE / CRANKSHAFT S/N IAW TCM MSB 00-5C		
		99-19-01	N/A BY ENGINE / CRANKSHAFT S/N IAW TCM MSB 99-3C		
		93-10-02	N/A BY ENGINE S/N IAW TCM MSB 93-12		
	(6)	93-08-17	N/A BY ENGINE S/N IAW TCM SB M91-10 R1		
		91-19-03	N/A BY OIL FILTER MANUFACTURER DATE IAW THIS AD		
		88-03-06	N/A BY OIL FILTER MANUFACTURER IAW THIS AD		
		2005-12-06	COMPLIANCE IAW TCM MSB 645		
)		94-06-09	N/A BY CAPACITOR P/N IAW THIS AD		
		94-01-03 R2	COMPLIANCE IAW TCM MSB 644		100000000000000000000000000000000000000
		82-20-01	COMPLIANCE IAW BENDIX SB 623		
-		82-13-01	N/A BY DISTRIBUTOR BLOCK P/N IAW BENDIX SB 613		
		74-26-09	N/A BY MAGNETO P/N IAW BENDIX SB 5568		
		\$ ♥			
-		WORK ORDER	60136 DATE 4/25/17 SIGNED		
BRC		LY-CON REBU	LDING CO (559) 651-1070 REPAIR STATION CT3R435L		
			//		
		720		-	



Engine

DATE: 6/5/17

MODEL: IO-550-D

TACH: 226.5

LICENSE NUMBER

nufacturers Maintenance

REG: N44TU

S/N: 680020

1 REMOVE AND REINSTALL ENGINE, IO-550-D, S/N: 680020, AFTER INSPECTION BY LYCON REBUILDING

CO WORK ORDER NUMBER 60136.

2 SERVICE ENGINE WITH 12 QUARTS OF PHILLIPS 20W50 OIL, AND 24 OZ OF AVBLEND.

3 INSTALL 24 NEW EXHAUST NUTS.

4 INSTALLED 1 NEW THROTTLE BODY GASKET P/N: 68129.

RAPHAEL LOPEZ - A&P 2709706

UDICTIAN MILMOZ ARD 3550455

	ON EU E. W.O. 44	7000047	CHRISTIAN MUN	OZ - A&P 3559458	
PERTINENT DETAILS	ON FILE: W.O. 44	1060517			
ROUGHT FORWARD					
TOTALS					

DATE	R.P.	м.		IME OI ROUN	1200		TIME II AIR	4	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSI
D/(12	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	KELVIKS - VP2021WEI412	JIGNATURE	NUMBE
4/12/2 Comp timing tach 2 and sy	ression: to specs 52.3. Fue stem filte	1) 76/80 . Opene el systemers. Ado	Tach: 2) 77, ed oil fil m clear led insu	3830 Fax: 263.0 /80 3) ter to led an	77/80 inspect to cran	15-1119 TSM(4) 76/8 – no co cted. R kcase I I Annua	P, Anc Toll DH: 26 0 5) 7 Intami eplace oreath	horage, Free In 3.0 7/80 6) nation n ed worn er tube.	Alaska: ETT: 20 74/80. 3 oted. Ne JE5 boo ADs che	1-877-7 63.0 I Serviced w filter in st pump ecked thre	Ph: 907-248-6161 770-7069 O-550-D S/N 680020 spark plugs. Checked /adjusted istalled oil previously changed actuator. Installed new vacuum pough 2018-07. I certify that this End to be in Airworthy condition.	at	

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DATE	R.P.	м.		IME O			TIME I AIR	N	TOTAL	TIME	REPAIRS – ADJUSTMENTS	SIGNATURE	LICENSE
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7-15-18	T. 338.	9	CHAN	30 o	76 A1	n tsi	102/	Аспози	2c 15L	50.	35255779		
	-			222 A		rive, Loc 12-398-3		TX 78644					
C C in	ach 368.4 hanged of amguard ijection istalled 27 ystem and	oil and Remosystem	I filter. oved fu after	el inje OH i on ho	ection s ny Mil ses at	th Phill system, ke's Ai throttle	for Orcraft body	C 20/50 OH. Insta Fuel N Y pipe	Aetering. Rigged				
				A	₽ 3279	628				E			
BROUC	HT FORWA	URD .	A Lat	1174				1.4	111	1			
	TOTAL	S											

constitue and								1	LINGINE	. LUG			
DATE	- R.P	- R.P.M.		IME O			TIME	IN	TOTAL	TIME	REPAIRS – ADJUSTMENTS		LICENSE
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	KELMIK2 - ADJO21WEM12	SIGNATURE	NUMBE
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		The same of the sa	(0)-	Transper -		5407 Ho Aus	oney De	w Terrac 78749	e				
			Y'S MOBIL	LE									
		h 485.7				N44TL	J						
	Peri	formed											
	COI	upressi											
	read	s. Che											
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	ior	overha	aul. Fu	iel sy	stem	overha	mled	irono A					
	Acc	essories	s. Repla	iced e	ngine	compa	rtment	fuel	stem ho	ncian .			_
	- certi	fy that	t this	engin	e has	been	inche	etad IA	W an	oses. 1			
	- inspe	ection a	and four	nd to h	e in ai	rworth	confi	ition at t	his time	annuai			
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