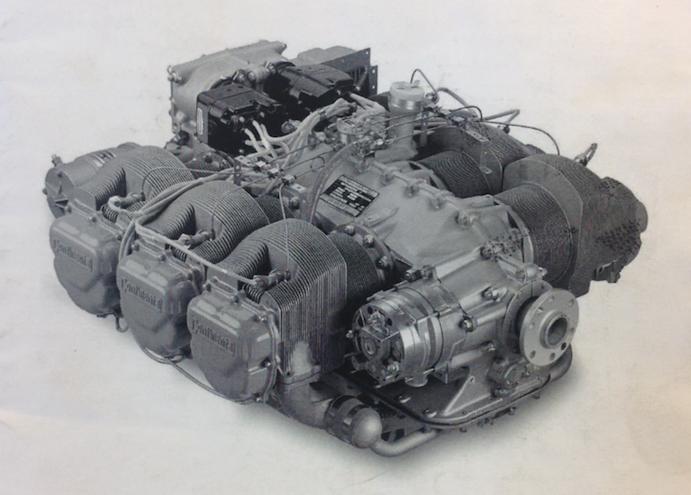
ENGINE LOG BOOK





Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors Abbeville Industrial Park Suite 159 Abbeville, AL 36310

USE ONLY FUEL CONFORMING TO ASTM D910 USE OF AUTOMOTIVE GAS IS NOT APPROVED.



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 02/12/2003

This engine model TS10520UB2F , Serial No. 527485 was manufactured on02/10/2003

by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TELEDYNE CONTINENTAL MOTORS

acie

A TELEDYNE TECHNOLOGIES COMPANY PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Medifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Modifications and Service Bulletins
-20-03	00	0	00	0	
-70-00	100		00		
			+	AER	O JACKSON +
N38047 I	ENGINE LO	GBOOK	ENTRY 2-	20-03 TAC	CKSON MISSISSIPPI TH TIME 3522.69 ENGINE TOTAL TIME IN SERVICE 000.0
This engi	ne installed	on Beech	eraft N3804	7, Serial N	Sumber EA-176. Installed reusing engine mounts, hoses, vacuum 12qts. Aeroshell 100 Mineral Oil. Overhauled propeller installed 1 check,OK, no leaks noted.
	wnes Cox A				
Daria 10	HOLD COX P	2019.	(ling	La Caj
-	-	-		- au	
1			+		JACKSON +
	N38	047 ENG		OOK ENTI	ON, MISSISSEPPI RY 2-27-03 TACH TIME 3523.39
Checked co	mpression:	(1)76/80 (2)75/80 (3)	76/80 (4)7	OTAL TIME 00.7 55/80 (5)77/80 (6)78/80. New oil filter installed at installation.
Engine oil v	as serviced	at installs	tion with A	eroshell 10	0 Mineral Oil. Replaced Brackett Air Filter Element. Spark ground run, operational check OK, no leaks noted.
- Company of the last					
in airworthy	this ENGIN condition.	NE has bee	n inspected	in accorda	ance with an ANNUAL INSPECTION and was determined to be
David Town	es Cov IA 2	679578	0	1 -	Zu Gp
				an -	7
treble	1 1000	un as	133.00	2000	
				_	
a gabat	-	-	414-19		
+/11/03					Removed # 4 lel in to an a
1/11/03		- 100			Removed # 4 foul injection nought
1/11/03		- 210			Removed # 4 ful injector nongle Cleaned and Checked out. Runstal
1/11/03		_ 100			noygle. Replaced #1 Cylinder EGT swit
1/11/03					Removed # 4 ful injectio mayale Cleaned and Checked out. Reinstal mayale. Replaced #1 cylinder EGT purt with new. Engine ground ran oran
4/11/03					with new, Engine ground ran opper
1/11/03					with new, Engine ground ran opper check good. Abor Arinting Jer 100 # 25/195
4/11/03					with new, Engine ground ran opper check good. Abor Arinting Jer 100 # 25/195
1/11/03		- 2013			with new. Engine ground ran opper
1/11/03		- 213	Page	of hoose	with new, Engine ground ran gape check good. Ahr Aviation Jir. 40 # 25427 CRS #CF2R740R
4/11/03			15 Paul W	ilkins Road	Aircraft Services Aircraft Services Aircraft Services
#/11/03	BEECHA		15 Paul W	ilkins Road	Aircraft Services Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218
DATE:	BEECH A 6-26-03		15 Paul W	ilkins Road	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 Replaced #1 Cylinder EGT pwd with new, Engine ground ran opps check gird. wo # 25427 check gird. wo # 25427 check gird. so # 25427 check gird. s
DATE: TACH:	6-26-03 3544.7	36TC	Phone (2)	ilkins Road 10) 824-75	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 WO: 25.04 27000
DATE : TACH : CHANG NEW FIL	6-26-03 3544.7 ED OIL AN LTER P/N C	36TC D FILTE CH48109.	Phone (2) R. CUT OP SERVICEI	EN OLD F	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 W.O: 25-04-27093 EROSHELL 50 MINERAL OIL GROLIND METAL FOUND.
DATE: TACH: CHANG NEW FIL LEAK A	6-26-03 3544.7 ED OIL AN LTER P/N C ND OPERA	36TC D FILTE CH48109.	Phone (2) R. CUT OP SERVICEI IECKED G	PEN OLD F D WITH A	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 W.O.: 25-04-27093 EROSHELL 50 MINERAL OIL GROUND RUN ENGINE.
DATE: TACH: CHANG NEW FIL LEAK A	6-26-03 3544.7 ED OIL AN LTER P/N C ND OPERA	36TC D FILTE CH48109.	Phone (2) R. CUT OP SERVICEI IECKED G	PEN OLD F D WITH A	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 W.O.: 25-04-27093 EROSHELL 50 MINERAL OIL GROUND RUN ENGINE.
DATE: TACH: CHANG NEW FIL LEAK A THE WG MAINTI TO SER	6-26-03 3544.7 ED OIL AN LTER P/N C ND OPERA PRK PERFO ENANCE R /ICE.	36TC TD FILTE CH48109. ATION CH DRMED O ULES OF	Phone (2) R. CUT OP SERVICEI IECKED G N THIS AI	PEN OLD F D WITH A	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 W.O: 25-04-27093 EROSHELL 50 MINERAL OIL GROLIND METAL FOUND.
DATE: TACH: CHANG NEW FIL LEAK A THE WO MAINTI TO SER	6-26-03 3544.7 ED OIL AN LTER P/N C ND OPERA	36TC TD FILTE CH48109. ATION CH DRMED O ULES OF	Phone (2) R. CUT OP SERVICEI IECKED G N THIS AI	PEN OLD F D WITH A	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 W.O.: 25-04-27093 EROSHELL 50 MINERAL OIL GROUND RUN ENGINE. HAS BEEN INSPECTED IN ACCORDANCE WITH CURRENT LIATION REGULATIONS AND IS APPROVED FOR RETURN
DATE: TACH: CHANG NEW FIL LEAK A THE WO MAINTI TO SER	6-26-03 3544.7 ED OIL AN LTER P/N C ND OPERA PKK PERFO ENANCE R /ICE. EON AIRCE TONIO, TE	36TC TD FILTE CH48109. ATION CH DRMED O ULES OF	Phone (2) R. CUT OP SERVICEI IECKED G N THIS AI	PEN OLD F D WITH A	Aircraft Services San Antonio, Texas 78216 O3 Fax (210) 820-3218 S/N: EA-176 REG: N38047 W.O.: 25-04-27093 EROSHELL 50 MINERAL OIL GROUND RUN ENGINE.

					Engine Service and Maintenance Record
		Time	Time	Since	Engine Service Rulletins Directives, Special Inspections,
Date	Total	111111	-	Min.	Installations, Inspections, Anti-transfer Bulletins Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	1411111	
	-	-			CW100HE MOSTECTION USING
Brought Forward	_	1.2	59.	14	ATOH BONAUZA OFFICE MAINT,
1. 20,04	120	# 2		-	
FIXW	137	03	ma	5 FC	PM.CHARLES - AID STATES
1 2 2 cold	RC	92	1	150	PHOHEDANTA STRIES MAINT, PM. CHARCE OIL GERVICE W/100W 100PECT FILTER-NO DEFECTS. Tales 3 Tales 4 Tales 5 Tales 6 Toles TOLES 3 Tales 4 Tales 5 Tales 6 Toles TOLES TALES 5 TALES 5 TALES 6 TOLES
The C	448	KOL	172	ups:	Tales 3:0180 4, 180 5, 1806, 180
HILL	6618	DN:	1.	1.00	HED ENGINE GROUND BUN NO DEFECTS.
Compet	AL	ELT	12	Wing.	NO DEFECTS.
1 34	10	HEC	60	W	
abitto					
					I certify that this aircraft/engine
-					has been inspected in accordance
					with an annual to be inspection
-					and found to be in airworthy con-
					dition on this date. 4.28
					100 10
					LUCE COL A PISSUSSISTIA
					The subject aircraft was involved in an incident / accident
					at Hantsville AL on 11/19/04 rendering it
					a total loss as not repairable within i's insured value For
					further information refer to file #04 22 96 40 Signed Date 4/5/05
					Phoenix Aviation Managers, Inc.
					PO Box 440757 Kennesaw, GA 30144
11/00					
1-16-2006					ASSEMBLED ENGINE AFTER INSA-
					ELTION BY BOLDUCAUL- WITH NEW
					CASKET SET SAL46550-A1, CRANKSHAFT
					REPLACED WITH = 010, NEW PARTS,
					12-655961 ROP BULTS, 12-654490 BOD
					NOTS, 12. SA642398 BEARINGS, 1-3464592-A
					MIDDIAIN CET / 11/1107
					MIONAIN SET, 6-464277R +6-628488R
					HIFTERS, 1-RECONDITIONED CAM.
					NO CYL WORK BOTTON FUR OITEDIANK
					NOTRULIOR PRE-OILED
					Bol Lander 167142828
					Do Jakenjoji
2					
		-			

Date	Total	Time	Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,			
	-	Min	Hrs.		Installations, Inspections, Air Worthington Modifications and Service Bulletins			
	Hrs.	Min.	Піз.	IVIII.	Modifications and oct has been			
Brought Forward		-			- 1 Ki N38047			
	737	775	65 to	ch -	Install angin back in N38047			
5/34/200	- ~	1. 10	011	down	tols - Rings Satis factory - this			
EN 110	1		1030	o tu	I in accordance with an Annia			
engin	750	Lev	or y		he wind to be in accorde			
Tuper	The same	me	000	1	PMD 474723603/P/22			
willt	4	- er	-	1	be wind to be in accountly 10 47472360319/IA			
	_	_	_		Compression Check # 1 1/80 # 26/50 # 3 1/8 # 4 6/80 # 5 1/5 # 6 1/50			
4/3/2008	3800	8.60	loca		1279 HU 6/20 #5 1/20 #6 1/20			
286 T	ife Du	co No	W		#3 to #7 go of an tale Trespect			
					Check & We engine controls Touspart			
MSIN IA	W 3	ex 40	1/2 7	Foran	ze checklist - This engine has been			
4	1111	1211	0,110	100	laith an / Whole -			
detomis	V to	60	1/2 0	aw and	Athe cond Our was 1 cond			
					474723603 APTEA			
5/30/2009	,	Con	nolt.	104	A/Annil I reportion - check & like 1850			
2899.5 h	. 1/	1110	In	meta	1 - compersion chark # 160/80 #2 0/50			
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		1	11000	1000	in accordance with an cost April			
	-	1434	DECOL-	2	as determined to be in avenuely			
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					474723603 AP/ EA			
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		AL	2009	-24-	12. N/A par close of mar faction -			
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			1		4747134848/11			
					47472360311/14			
				-				

Engine Service and Maintenance Record
Installations, Inspections, Airworthiness Directives, Special Inspections, Time Since Total Time Date Last Overhaul Min. Hrs. Modifications and Service Bulletins AERO MAINTENCE INC. Broug Wichita falls TX. 76307 Date: 11/23/2011 Serial No: 527485 Model: TS IO-520-UB3F Type: Continental Registration No. N146TA Total time: 341.61 Tach: 3864.3 Maintenance accomplished Drained oil. oil sample taken and sent to Aviation Laboratories for analysis. See analysis results. Replace oil filter with new PN CH48108-1. Serviced engine with Aeroshell 15W50. Engine run up and leak check found satisfactory. All work performed accomplished in accordance with Beech maintenance manual. Signature St. Walder AH 3364617 Date 11-23-11



ord

ons.

100 hr Engine inspection, compression as follows #1 58 #2 62 #3 64 #4 65 #5 68 #6 64/80, 12 Qts Philips XC. New AA48108 filter.
No metal in old. Serviced spark place. May timing checked as per data place. Improved at a mid-spark place. No metal in old. Serviced spark plugs, Mag timing checked as per data plate. Inspected alt. and starter. Exhaust system inspected. Engine controls checked stop to stop and lubed. Engine washed down, Engine run up and set up completed as per Beechcraft Service manual and TCM SID 97-3E. I hereby certify that this Engine has been inspected as per existing FAR in accordance with a 100hr

inspection and found to be in an airworthy condition. Tach 3840.07 ATT 3840.07 ETT 317/98 PTSMOH 65.07 Jason E Doscher A&P3271591 10/20/2011 T-3851.44 Removed #1 & 2 cylinders for repair due to low compression. #1 cylinder was repaired and #2 as replaced with a serviceable cylinder assembly see yellow tags from Sal's Aircraft Cylinders for description of work performed. Installed both cylinders using new gaskets, IAW Continental maintenance manual. Replaced oil filler tube with repaired tube, PN-649406-3-UP. Ran engine and checked for proper operation of all affected systems. Checked engine for any leaks, none noted at this time. This engine is returned to service. Charles Change of A465619265 Moore Aviation 606 FM 3003 Graham, TX 76450 6-7-2012 Engine Log Book Entry Date: 6-7-12 Reg: N146TA Continental TSIO-520-UB2F S/N 527485 Tach Time: 3912.6 TSN: 389.91 Completed annual inspection this date per FAR 43 app. D. Complied with all applicable AD's; see AD compliance record with A/C logs. Removed and replaced spark plugs, checked magneto timing, serviced induction air filter. Ran engine and check compression #1 73/80 #2 78/80 #3 76/80 #4 77/80 #5 78/80 #6 77/80. Changed oil and filter, cut open filter and inspected for adverse metal, none found. Serviced engine with 11 quarts Phillips 20/50XC. Adjusted prop rod to contact stop. I certify that this engine has been inspected IAW and Annual inspection and was found to be in an airworthy condition. Brian Moore A&P IA 3157316 Moore Aviation, LLC 10-22-12 606 FM 3003 Graham, TX 76450 oil change Engine Log Book Entry Date: 10-22-12 Reg: N146TA Continental TSIO-520-UB Tach: 3956.6 3956.6 Changed oil and filter, cut open filter and inspected for adverse metal, none found. Brian Moore A&P IA 3157316

Date	Total	Time	Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,				
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, All World Installations, Inspections, Inspections, Inspections, All World Installations, Inspections, Ins				
Brought Forward		-			Ranoved prop governor and sont to ervice to inspection and repair, Reinstal round ran and leak/Dunction tested, Check the Att 315 7316				
11-16-12	39	15,3			Kemoved prop governog and some				
11-10	Rue	m P	oppel	Nor 5.	ervice to inspection and repair, keings				
	1/1		19	1 -	round ran and leak/Unneting tested, Check				
	4/42	TY	Cerp	10	ALP 315 7316				
	Cion	del.	147		William III				
		viation,							
4	1515 Old	Jacksbo	oro Hwy.	Wichita	Falls, Tx 76302				
					13 Reg: N146TA Continental TSIO-520-UB2F				
				021.9 TSI					
	Complete	ed annu	al inspec	tion this	date per FAR 43 app. D. Checked for applicable				
					ed and gapped spark plugs, checked magneto				
					. Ran engine and check compression #1 78/80 #2				
					#6 76/80.				
					inspected IAW and Annual inspection and was				
	ound to	be in ar	111	hy condi					
	1)n	100	Bri	an Moore A&P IA 3157316				
07/12/2013	V03	182			0 1.0-1-1.6-1-200				
0//12/2013	7072	187	-		removed + replaced vacuum pamp.				
					Checkedgood, leak checked - 100 leaks tound.				
					8130 Tag filed with aircraft logs.				
					Removed + Replaced Vacuum pamp. Ops checkedgood, leak checked - No loaks found. 8130 Tag filed with aircraft lags.				
		4		•					
		Aviation		. Milabia	Fella Tu Topon				
					a Falls, Tx 76302				
	S/N: 52	7485 T	ch Time	· 4122 44	7/14 Reg: N146TA Continental TSIO-520-UB2F TSN: 609.74				
	see AD	complia	nce list u	with airce	s date per 43 app. D. Checked for applicable AD's,				
	see AD compliance list with aircraft logs. Cylinder differential test: (1)74/80 (2) 74/80 (3) 72/80 (4) 76/80 (5) 76/80 (6) 73/80, no fault found. Inspected turbo blades,								
	pressure tested exhaust. No fault found. Inspected turbo blades,								
	I certify that this engine has been inspected IAW an annual inspection and was								
	found to be in an airworthy condition.								
	Brian Moore A&P 3157316 IA								
	~	5			Shall Moore A&P 3157316 IA				
	1								
2-1	TA	oh							
25/3epi/14	41	47,50	5		change oil & Sifter Neal 4948108				
/ /			1		101 Filter 11 11 11 11 11 11 11 11 11 11 11 11 11				
				1 320	D. AND AND AND 109 15 XC 20/3				
A CARLO DE LA CARLO					Kun to leak theck cat oned				
				-	Filter, No metal for und.				
		1			Boundalila de ala				
					10 congeowards NEV 3038723				
	-								

Date	Tota	Total Time Since Last Overhaul			Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,				
	Hrs.	Min.	Hrs. Min.		Modifications and Service Bulletins				
Brought Forward		-							
		4515 C Engine S/N: 52 Comple see AD (3) 76/8 found e valves. checks (open oil	Log Boo 27485 Ta eted anni complian 80 (4) 68, exhaust se Compresi good. Ch I filter an that this	k Entry Dich Time: ual inspendence list w /80 (5) 78 eats on b ssion on danged oi d inspects engine I	4205.22 TSN: 682.52 ction this date per 43 ith aircraft logs. Cylin 8/80 (6) 64/80. Remove the cylinders pitted exception of the cylinders post repair (all & filter, serviced with the cylinders post metal, has been inspected IA thy condition.	app. D. Checked for applicable AD's, inder differential test: (1)76/80 (2) 78/80 ived #4 & #6 cylinder, inspected and excessively. Ground seats and lapped 4) 78/80 (6) 77/80. Ground run & leak ich 12 quarts Phillips 20/50 XC. Cut			
Date 1 November 2	2016			Aircraf		Aircraft Model A36TA			
Aircraft Seria		er		Aircraft Registration		Tach Time / AFTT	-		
EA-176				N146TA		4227.66 / 4227.66	-		
Engine Model				Engine Serial Number		TSMO	-		
IO-520-UB2F	Continer	ntal		527485		704.96	_		
engine and lube content non fou checks good. Be installed on engi that this engine condition.	d contro nd. Servi prescope ine. All A has been	ls. Drainiced engi inspecte Airworth inspecte	ed engine ne with 1 d cylinder iness Dire d in accor	oil and re l qt. Aero s, no defe	moved engine oil filter, shell W100 and installe ected found. Complied	ession Check (cold) #1= 78/80 #2=78/80 #3=76/80 ps, rotated top to bottom and reinstalled. Cleaned cut open filter and inspected for adverse metal ed new oil filter. Ground ran and ops check, all with AD 2016-16-12 affected ECI cylinders are not ance checklist dated November 1, 2016) I certify spection and was determined to be in airworthy			
Christopher Mc	Spadder								
Christopher Mc	Spadder						-		
Christopher Mc	Spadder								
Christopher Mc	Spadder								



Teledyne Continental Motors, Inc. P.O. Box 90 Mobile AL 36601 • 334-438-3411



Member Of GAMA General Aviation Manufacturing Association

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