

REBUILT ENGINE LOG

N4321X

IO-520- (23)
ENGINE MODEL NUMBER

112839-R

ENGINE SERIAL NUMBER

USE OF AUTOMOTIVE GAS IS NOT APPROVED.

CONFORMING

TO ASTM D910.

This engine model __10520A23B___, Serial No. 112839-R, was rebuilt/zero timed on 09/04/98 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB		REMARKS TO THE PROPERTY OF THE PARTY OF THE			
M70-10	70-14-07	REPLACED WITH NEW PART	M91-10	93-08-17	VISUAL INSPECTION
M77-14	77-13-22	**REPLACED WITH NEW PART	N/A	91-19-03	REPLACED OIL FILTER
M79-2	79-05-09	REPLACED WITH NEW PART	M92-6	N/A	ROCKER SHAFT RETENTION IMPROVED
M80-26	81-24-06	*TORQUE CHECK	M92-16	N/A	CRANKSHAFT REPLACED
M86-7	86-13-04	REPLACED WITH NEW PART	MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE
M87-5	97-26-17	**ULTRASONIC INSPECTION CRANKSHAFT	CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE
M88-4	88-03-06	REPLACED WITH NEW PART	N/A	94-14-12	N/A
M90-21	N/A	ULTRASONIC INSPECTION OF BARREL	CSB94-15	N/A	CRANKCASE STUD INSPECTION
M91-6	N/A	ULTRASONIC INSPECTION OF BARREL			N/A SERIAL NUMBER
M91-7	N/A	ULTRASONIC INSPECTION OF BARREL			REPLACEMENT OF AIRMELT (NON-VAR) CSHAFTS

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

Sheet 1 of 2 Continued on back cover TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508

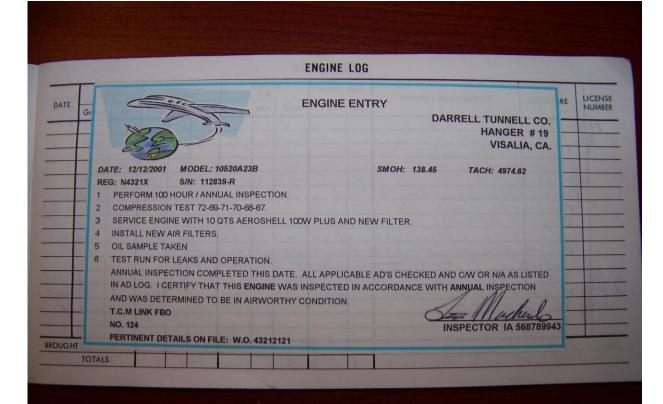
								-	ENGINE	LOG				
	R.P.	м.		ME ON			TIME II	V	TOTAL	TIME	DEDAIDS	ADJUSTMENTS	10000	
DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	KEFAIKS -	ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		- C - R - 6-	YLINE E-INST 46563 A IINER <i>A</i>	ERS. TALL I GAS L OIL	PORT CYLI SKET . AI	FLOV NDERS SET, I LL INF	V AN S WI EA 6 FORM	D BAL TH TH 54555 (IATION 9/30/98	ANCE, E FOLL GASKET I IS ON	CERA OWIN , IEA FILE	MIC COAT P G PARTS IN: 649964 GASK AT LY-CON	STALLED: 6EA ET, 12EA 20W50 REBUILDING CO		
								1 2	cordance tion Registervice. ARE ON	With ulation: PERTIFILE	Current Federal s and Is Appr NENT DETAIL	Component, Identified or Inspected in Al Aviation Administration oved For Return To Soft THE REPAITON UNDER WORLD ATE 9 750 192	C- a- To	
BROUGH	T FORWARI	L)	r-con	REBU	ILDIN	NG CO.	. 82		VICAL	TA CA	LDING CO. LLIF. ia, CA 93291	REPAIR STATION CT3R435L (209) 651-1070		

	R.P.M.		IME ON ROUND		TIME IN	TOTAL	TIME	Control of the Second		
DATE	Ground Air		Min. Total	Hrs.	Min. Tota	l Hrs.	Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN:
					EN	GINE				
						ENTI	RY			
	DATE: 10/1	5/98	TAC	H: 48	36.17	SMO	H: 0	N 4321V		
	INSTALL FA	CTORY	Y REMANU	FACTO	ORED EN	TNIE CALL	H: 0	N 4321X		
	INSTALL FA	CTORY	Y REMANU SES. SERVI	FACTO	ORED EN	TNIE CALL	120200	N 4321X ASSEMBLY COMPLETE WI PS MINERAL OIL, TEST RUI	TH NEW N FOR	
	INSTALL FA MOUNTS AN LEAKS AND	CTORY ID HOS	Y REMANU ES. SERVI ATION.	FACTO	ORED EN	TNIE CALL	120200	ASSEMBLY COMPLETE WI'PS MINERAL OIL. TEST RUI	N FOR	
	INSTALL FA MOUNTS AN LEAKS AND TCM LINK TCM SERV	CTORY ID HOS	Y REMANU ES. SERVI ATION.	FACTO	ORED EN	TNIE CALL	120200	ASSEMBLY COMPLETE WIPS MINERAL OIL. TEST RUID	N FOR ELL CO.	
	INSTALL FA MOUNTS AN LEAKS AND	CTORY ID HOS	Y REMANU ES. SERVI ATION.	FACTO	ORED ENGINE WIT	TNIE CALL	120200	ASSEMBLY COMPLETE WITE SERVICE	N FOR	

		EN	IGINE LOG				
R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	DEDAING AD HIGH		BANK THE	
E Ground Air Hrs		Min. Total	Hrs. Min.	REPAIRS - ADJUST	MENTS	SIGNATURE	NUMBER
1							
	E	ENGINE L	OG ENT	RY			
DATE: 10/15/	98 TACH/HO	BBS:4836.	17 sмон	0.00 N	14321x		
	CTION COMPLETE		E. ALL APP	LICABLE AD'S CHE	CKED AND		
I CERTIFY THA	T THIS AIRFRAME	/ POWERPLA		SPECTED IN ACC			
WITH ANNUAL	INSPECTION AND	WAS DETERM	MINED TO E	BE IN AIRWORTHY	CONDITION		
			on	Mackad	w		
				AP 568789943 AI			
The same of	7				1 1		
HT FORWARD					+	GIAGOS	
TOTALS							
		F	NCINE				
DATE			NGINE	V			
DATE			G ENTR				
DATE: 5/	25/99 TACH:	LOC	G ENTR		N 4321X		
DATE: 5/		LOC 4858.0	G ENTR	1:24.5	N 4321X		
DATE: 5/	VITH CSB99-3A BY F	LOC 4858.0 REMOVAL AN D'S #1 AND #3 A	SMOR	ATION OF CYLIND	ER ASSEMBI	TA,8	
DATE: 5/	VITH CSB99-3A BY F	LOC 4858.0 REMOVAL AN D'S #1 AND #3 A	SMOR	ATION OF CYLIND	ER ASSEMBI	LY'S LEAKS	
DATE: 5/ COMPLY V #1 AND #3, AND OPER	VITH CSB99-3A BY F CONNECTING ROD ATION. Renove Cyl	LOC 4858.0 REMOVAL AN D'S #1 AND #3 A	SMOR	ATION OF CYLIND TER WEIGHTS. TE New rook Bear	ER ASSEMBI	LEAKS	
DATE: 5/ COMPLY V #1 AND #3, AND OPER TCM LINH TCM SERV	VITH CSB99-3A BY F CONNECTING ROD ATION. Reasure Cya K FBO VICE CENTER	LOC 4858.0 REMOVAL AN D'S #1 AND #3 A	SMOR	ATION OF CYLIND TER WEIGHTS. TE New rook Bear	ER ASSEMBI	NNELL C	
DATE: 5/ COMPLY V #1 AND #3, AND OPER	VITH CSB99-3A BY F CONNECTING ROD ATION. Reasure Cya K FBO VICE CENTER	LOC 4858.0 REMOVAL AN D'S #1 AND #3 A	SMOR	ATION OF CYLIND TER WEIGHTS. TE New rook Bear	ER ASSEMBI ST RUN FOR	NNELL C	CA
DATE: 5/ COMPLY V #1 AND #3, AND OPER TCM LINH TCM SERV	VITH CSB99-3A BY F CONNECTING ROD ATION. Reasure Cya K FBO VICE CENTER	LOC 4858.0 REMOVAL AN D'S #1 AND #3 A	SMOR SMOR ED INSTALL AND COUN * install	ATION OF CYLIND TER WEIGHTS. TE New rook Bear	ER ASSEMBI ST RUN FOR	NNELL C	CA
DATE: 5/ COMPLY V #1 AND #3, AND OPER TCM LINH TCM SERV	VITH CSB99-3A BY F CONNECTING ROD ATION. Reasure Cya K FBO VICE CENTER	4858.0 REMOVAL AN DS #1 AND #3 / 1 = 24.5.6	SMOR SMOR ED INSTALL AND COUN * install	ATION OF CYLIND TER WEIGHTS. TE New rook Bear	ER ASSEMBI ST RUN FOR	NNELL C	CA
DATE: 5/ COMPLY V #1 AND #3, AND OPER TCM LINH TCM SERV	CONNECTING RODATION. Reasure Cyal	4858.0 REMOVAL AND #3 #1 AND #3 #1 AND #3 #2 4 · S · 6 A&P561	SMOR SMOR DINSTALL AND COUN + install 137979	ATION OF CYLIND TER WEIGHTS. TE ARW rod Bear DAI	ER ASSEMBI ST RUN FOR PAGES. RRELL TUN VI	NNELL C	CA
DATE: 5/ COMPLY V #1 AND #3, AND OPER TCM LINH TCM SERV	CONNECTING RODATION. Renave Carlon Control Con	LOC 4858.0 REMOVAL AN DS #1 AND #3 (#24.5.6 A&P561	SMOR SMOR DINSTALL AND COUN # install 137979	ATION OF CYLIND TER WEIGHTS. TE New rook Bear DAI ons of crankshaft per	ER ASSEMBI ST RUN FOR PAGES. RRELL TUN VI	NNELL C	CA
DATE: 5/ COMPLY V #1 AND #3, AND OPER TCM LINH TCM SERV	COMPLIED WITH CSB99-3A BY FOUNDERTH CSB99-3A	LOC 4858.0 REMOVAL AN DS #1 AND #3 (#24.5.6 A&P561	SMOR SMOR DINSTALL AND COUN # install 137979	ATION OF CYLIND TER WEIGHTS. TE New rook Bear DAI ons of crankshaft per	ER ASSEMBI ST RUN FOR PAGES. RRELL TUN VI	NNELL C	CA

				-21/2-2		ENGINE	LUG			
	R.P.M.	TIME O GROUN		T	AIR	TOTAL	TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE
TE	Ground Air	Hrs. Min.	Total	Hrs.	Min. Total	Hrs.	Min.		SIGNATORE	NUMBER
			-							
					ENGINE				. 1	
	7	-11-99	TA	CHINC	DDDS. 48	1580	SMOI	H: 21.88 N 432	1x	
-	DATE: _		IA	CHITIC	7000. <u>10</u>		Omo		7	
						ATE. A	LL API	PLICABLE AD'S CHECKED AN	ND	
		N/A AS LIST				DI ANT	M/AS I	NSPECTED IN ACCORDANC	F	
								BE IN AIRWORTHY CONDIT		
							4	MI		
						_	<u> </u>	AP 568789943 AI		
							<u></u>	AP 568789943 AI		
								AP 568789943 AI		

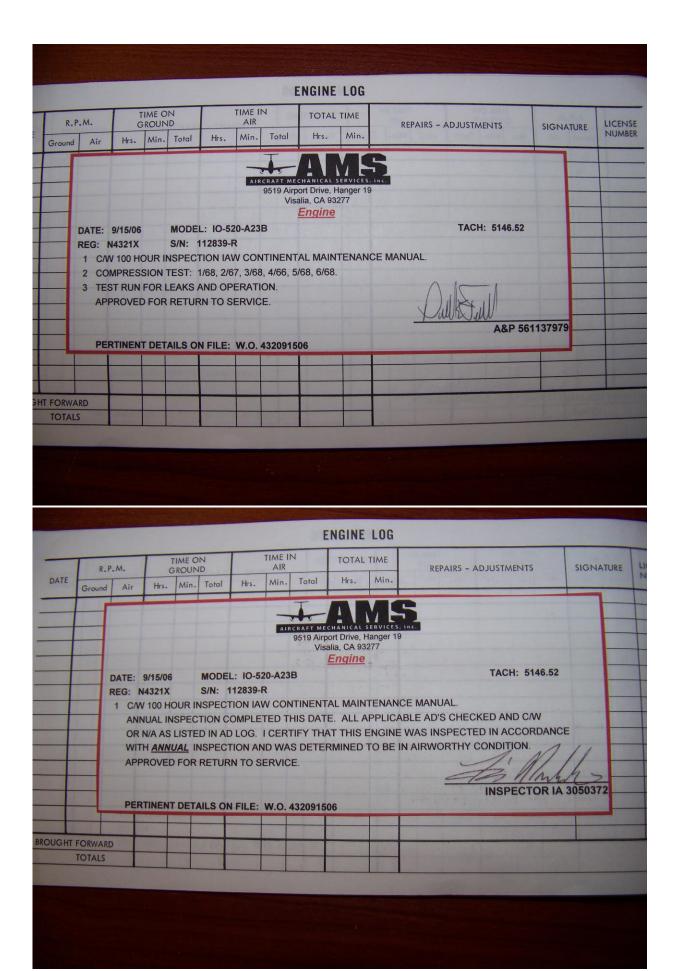
	R.I	.M.		TIME O			TIME			TOTAL	_ TIME	REPAIRS -	AD III S	TAMENITO	CICALITA	Licro
DATE	Ground	Air	Hrs.		Total	Hrs.	Min	1.	Total	Hrs.	Min.	KEFAIKS =	ADJOS	TIMEN 13	SIGNATURE	LICE
		тсм	CM LINK FBO									DAR	RELI	L TUNNEL	L CO. —	
		TCM	NO. I	012	1			EN	NGIN	E EN	TRY	VISALIA, CA			A, CA	
		DATE:	9/1/0	00		TAC	Н: 4	922				SMOH:		N 43212		
													Г 76-74-72-76-76-72.			
		NEW A	IR FIL	GINE	WITH S. OII	1 10 Q SAM	UAR'	ΓS .	AERC KEN.	TEST I	100 V	V PLUS AND N	JD OP	FRATION	TALL	
		ANNUA	AL INS	SPECT	TION (COMF	LETE	ED'	THIS	DATE.	ALL	OR LEAKS AND OPERATION. APPLICABLE AD'S CHECKED AND			ND —	
		INSPEC	TED	IN AC	CORI	DANC	E WI	G. TH	ANNI	UAL IN	SPECT	THIS POWERP	LANT	TERMINED		
		TO BE I	IN AIF	RWOR	THY	CONE	OITIO	N.			5.20,	1	10 DL	LIGHTYED		
		- Aull & Just								-	Z	1	1-6			
		TECHNICIAN AP 56113												STREET, SQUARE, SQUARE		



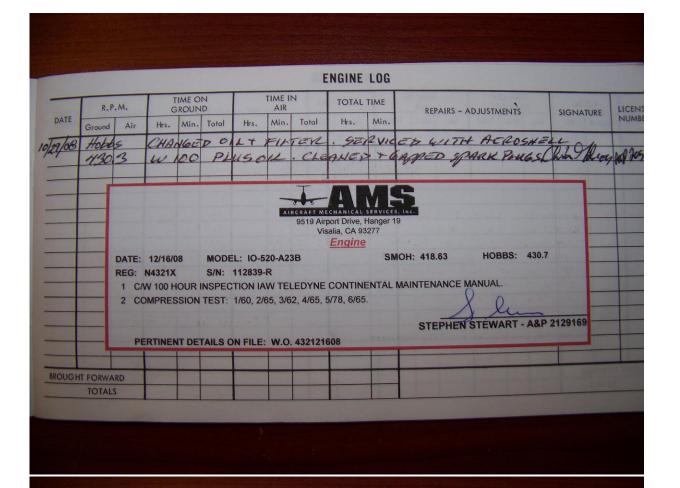
ENGINE LOG TIME IN TOTAL TIME TIME ON LICENSE NUMBER REPAIRS - ADJUSTMENTS SIGNATURE R.P.M. AIR GROUND Min. DATE Min. Total Min. Total 3/2 52 AN ANNUAL DIL + FILTOR CHANGOO 745 5cmon CLOBNOD 46APPOD TIMING MAGNITTO 50K 30 INSPSCIOD INTOK FOR SECURITY conomo ركال 72415 JAKS & OPS ONOWO INSPECTION 10000 HEED SERVICE 2119 500 2 BROUGHT FORWARD TOTALS

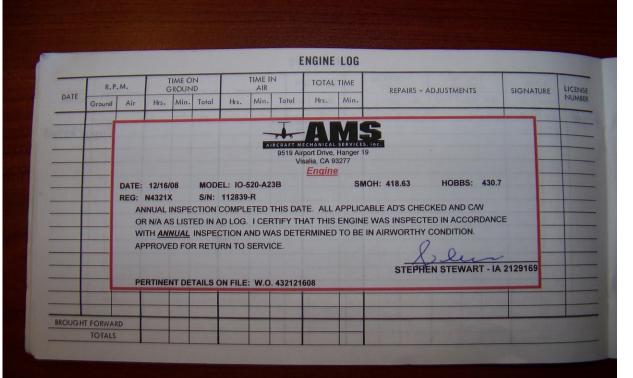


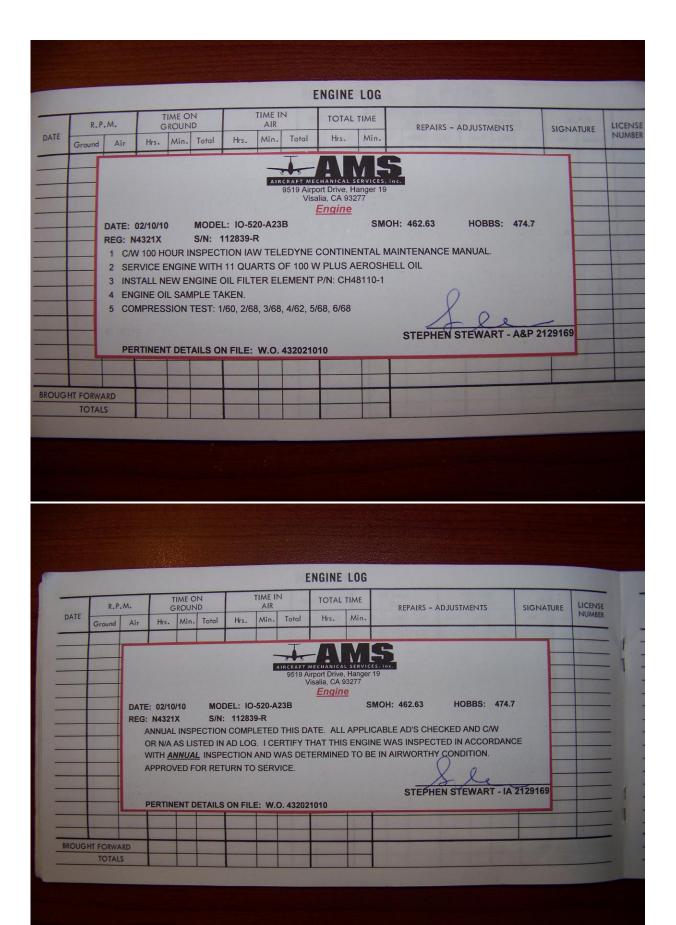
ENGINE LOG TIME IN TIME ON TOTAL TIME R.P.M. GROUND AIR REPAIRS - ADJUSTMENTS SIGNATURE DATE Groun AIRCRAFT MECHANICAL 9519 Airport Drive, Hangar 19 Visalia, CA 93277 Engine SMOH: TACH: 5101.0 DATE: 07/01/2005 MODEL: IO-520-A23B S/N: 112839-R 1 CW 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. 2 REMOVE AND INSTALL 12 NEW SPARK PLUGS P/N: RA2205L. 3 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL 4 REMOVE AND INSTALL NEW OIL FILTER ELEMENT P/N: CH48110-1. 5 ENGINE OIL SAMPLE TAKEN. 6 COMPRESSION TEST: 1/70, 2/64, 3/66, 4/68, 5/67, 6/75. 7 TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE. T.C.M LINK FBO NO. 124 **TECHNICIAN 561137979** BROUGHT FOR PERTINENT DETAILS ON FILE: W.O. 432070105 TOTALS

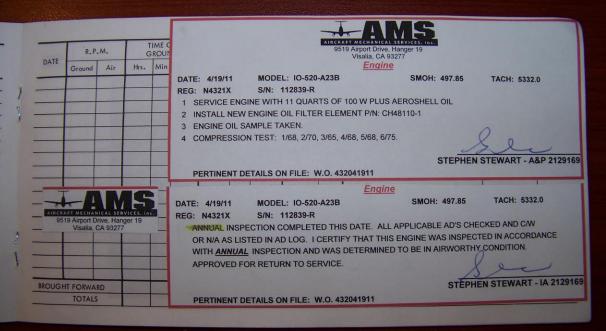


Ground Air Has Min. Total Has. Min. Min. Total Has. Min. Min. Total Has. Min. Min. Total Has. Min. Min. Min. Min. Min. Min. Min. Min			-												
REPAIRS - ADJUSTMENTS SIGNATURE LICE STORM AIR IN. Min. Total Hr. Min. Total Hr. Min. MIN. Total Hr. Min. Total Hr. Min. Total Hr. Min. MIN. Total Hr. Min. Total Hr. Min. Total Hr. Min. MIN. Total Hr. Min. Total Hr. Min. Total Hr. Min. MIN. Total Hr. Min. Total Hr. Min. Total Hr. Min. MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 1. CW 100 HOURINSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. 2. INSTALL 1 NEW SPARK PULG PRI: HR32E: 3. ENGINE OIL SAMPLE TAKEN. 4. COMPRESSION TEST: 1582, 2583, 368, 4/62, 5/64, 6/64. 5. TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE. FO. PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG ENGINE LOG ENGINE LOG ENGINE LOG ENGINE LOG TIM MAQHADO - ASP 3050372 DATE: 11/11/07 MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 1. CW 100 HOURINSPECTION LOW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. DATE: 11/11/07 MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 1. CW 100 HOURINSPECTION COMPLETED THIS DATE SERVING MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS DATE SERVING WAS INSPECTED IN ACCORDANCE WITH AMNUAL, INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONTINON. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 BOUGHT FORWARD							1	ENGI	NE LU	li					
ENGINE LOG TIME TO PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG ENGINE ENGINE LOG ENGINE ENG			GRO	DUND	tal Hrs	AIR					REPAIRS	- ADJUSTMENTS	SIG	GNATURE	LICENS
DATE: 11/11/07 MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 1 CM 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL SIGNATURE IN MACHADO - IA 3050372 PERGINE OLD ARP HOBBS: 383.9 1 CM 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL SIGNATURE IN MACHADO - IA 3050372 PERGINE LOG ENGINE LOG TIME IN TOTAL TIME REPAIRS - ADJUSTMENTS SIGNATURE IN MACHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG TIM MACHADO - A&P 3050372 TIM MACHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG TIM MACHADO - A&P 3050372 TIM MACHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE ENGINE LOG ENGINE ENGINE LOG ENGINE ENG	de			1×162		-	F127	- CR	Ch	20,	Tils		The same of the sa		
DATE: 11/11/07 MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 1. CW 100 HOUR INSPECTION LAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. 2. INSTALL 1 NEW SPARK PLUG P/N: RHB32E. 3. ENSINE OIL SAMPLE TAKEN. 4. COMPRESSION TEST: 168, 2/68, 3/68, 4/62, 5/64, 6/64. 5. TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG ENGINE LOG ENGINE LOG TIME IN TOTAL TIME REPAIRS - ADJUSTMENTS SIGNATURE PREVIAM REGISTRATING STREET BY 19/19/Alport Drive, Hanging 19 19/19/Alport Drive, Hanging 19 10/19/Alport Drive, Hanging 19	T					AIRC	RAFT ME	CHANICA	AL SERVIC	S ES, inc.					
DATE: 11/1/107 MODEL: 10-520-A23B REG: M321X SIN: 112839-R 1 CW 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. 2 INSTALL I NEW SPARK PLUG PIN: RHB32E. 3 ENGINE OIL SAMPLE TAKEN. 4 COMPRESSION TEST: 1/68, 2/68, 3/68, 4/62, 5/64, 6/64. 5 TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE. TIM MAQHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG ENGINE LOG ENGINE LOG TIME IN TOTAL TIME AIR TOTAL TIME GROUND AIR SEPAIRS - ADJUSTMENTS SIGNATURE N SIGNATURE N DATE: 11/1/107 MODEL: IO-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 1 CW 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANYULA INSPECTION COMPLETED THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANYULA INSPECTION OF SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 HOBBS: 383.9 1 CW 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS DATE: ALL APPLICABLE ADS CHECKED AND CW OR IAM AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANYULA INSPECTION AD WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107	-					9	9519 Ain Vis	salia, CA	93277	19					
2 INSTALL 1 NEW SPARK PLUG P/N: RHB32E. 3 ENGINE OIL SAMPLE TAKEN. 4 COMPRESSION TEST: 1/68, 2/58, 3/68, 4/62, 5/64, 6/64. 5 TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE. TIM MAQHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG R, P, M. GROUND TIME IN TOTAL TIME REPAIRS - ADJUSTMENTS SIGNATURE IN TIME REPAIRS - ADJUSTMENTS SIGNATUR	RF	G: N4	321X	S/N:	112839	-R						HOBBS: 383.9			
4 COMPRESSION TEST: 1/68, 2/58, 3/68, 4/62, 5/64, 6/64. 5 TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE. TIM MAQHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG TIME ON TIME ON TIME IN TOTAL TIME	_ 2	INSTA	ALL 1 NEV	W SPAF	RK PLUG			CONTI	NENTA	L MAIN	TENANCE	MANUAL.			
APPROVED FOR RETURN TO SERVICE. TIM MACHADO - A&P 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107 ENGINE LOG R, P, M. GROUND TIME IN AIR TOTAL TIME REPAIRS - ADJUSTMENTS SIGNATURE IN AIR REPAIRS - ADJUSTMENT	4	COMF	PRESSIO	N TEST	: 1/68, 2			5/64, 6/	64.			1	,		
ENGINE LOG ENGINE LOG ENGINE LOG R.P.M. GROUND AIR TOTAL TIME GROUND AIR Hss. Min. Total Hrs. Min. All Hrs. Min. Total Hrs. Min. Total Hrs. Min. Total Hrs. Min. Total Hrs. Min. All Hrs. Min. Total Hrs. Min. Total Hrs. Min. Total Hrs. Min. All Hrs. Min. Total Hrs. Min. Total Hrs. Min. Total Hrs. Min. All Hrs. Min. Total Hrs. Min. All Hrs. Min. All Hrs. Min. Total Hrs. Min. All Hrs. Min. Total Hrs. Min. All Hrs.	5										OF	Machael	5		
ENGINE LOG ENGINE LOG R.P.M. TIME ON GROUND AIR TOTAL TIME GROUND AIR TOTAL TIME GROUND AIR TOTAL TIME GROUND AIR TOTAL TIME REPAIRS - ADJUSTMENTS SIGNATURE SIGNATURE WITH AIR TOTAL TIME SIGNATURE REPAIRS - ADJUSTMENTS SIGNATURE No. 1 Cround AIr Hrs. Min. Total Hrs. Min. Total Hrs. Min. DATE: 11/11/07 MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 REG: NA321X Sin: 112839-R 1 CW 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND CIW OR NA AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107											TIM	MACHADO - A&I	P 3050	372	
DATE Ground Air Hrs. Min. Total Hrs. Min. Tota															
DATE Ground Air Hrs. Min. Total Hrs. Min. Total Hrs. Min. Min. Total Hrs. Min. AIRCRAFT MECHANICAL SERVICES. IRC. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 Engine DATE: 11/11/07 MODEL: IO-520-A23B REG: N4321X S/N: 112839-R 1 CW 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107									FNGINI	FLOG					
DATE: 11/11/07 MODEL: IO-520-A23B SMOH: 371.83 TACH: 5208.0 HOBBS: 383.9 REG: N4321X S/N: 112839-R 1 C/W 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107				TIM	IE ON		TIME IN								
DATE: 11/11/07 MODEL: 10-520-A23B SMOH: 371.83 TACH: 5208.0 REG: N4321X S/N: 112839-R 1 C/W 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL. ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107	DATE			GRO	DUND		AIR	٧	тота	L TIME	REP	AIRS - ADJUSTMENTS		SIGNATU	RE LII
ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND CIVION OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107	DATE			GRO	DUND		AIR Min.	Total RAFT MECI 519 Airpo Visal	Hrs. Hanical Sort Drive, Hia, CA 93%	Min. Min. Man. Min. Man.	REP	AIRS – ADJUSTMENTS		SIGNATU	
WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONSTITUTION. APPROVED FOR RETURN TO SERVICE. TIM MACHADO - IA 3050372 PERTINENT DETAILS ON FILE: W.O. 432111107	DATE	Ground	Air	/11/07	MODE	Hrs.	AIRCE 9:	Total RAFT MECI 519 Airpo Visal	HANICAL S that Drive, Haia, CA 933	Min. Min. Min. SERVICES langer 18 2277	REP.	TACH: 520 HOBBS: 38	8.0	SIGNATU	
PERTINENT DETAILS ON FILE: W.O. 432111107	DATE	Ground	Air DATE: 11. REG: N43 1 C/W 1 ANNU	/11/07 321X 00 HOUI	MODE S/N: R INSPEC	Hrs. L: IO-52/ 112839-R TION IAV	AIR Min. AIRCE 9: 0-A23B	Total Total Total Total DYNE CO S DATE THANK TOTAL TOTAL	HANICAL S TOTA Hrs. HANICAL S TOTO HANICAL S HANICAL S TOTO HANICAL S HAN	Min. Min.	OH: 371.83 MAINTENAN ABLE AD'S (E WAS INSF	TACH: 520 HOBBS: 38 ICE MANUAL. CHECKED AND C/W PECTED IN ACCORD	8.0	SIGNATU	
	DATE	Ground	Air DATE: 11. REG: N43 1 C/W 1 ANNU OR N/ WITH	Hrs. N //11/07 321X 00 HOUL AL INSP //A AS LIS ANNUA	MODE S/N: R INSPECTION (STED IN A L INSPECT	L: IO-52/ 112839-R TION IAW COMPLET D LOG. I	AIR Min. AIRCE 9: 0-A23B V TELE TED TH CERTI	Total Total AFT MEC 519 Airpo Visal DYNE C IS DATE FY THA DETER	HANICAL S TOTA Hrs. HANICAL S TOTO HANICAL S HANICAL S TOTO HANICAL S HAN	Min. Min.	OH: 371.83 MAINTENAN ABLE AD'S (E WAS INSF	TACH: 520 HOBBS: 38 ICE MANUAL. CHECKED AND C/W PECTED IN ACCORD THY CONDITION.	8.0 33.9 DANCE	6	
	DATE	Ground	Air DATE: 11. REG: N43 1 C/W 1 ANNU OR N/ WITH APPR	/11/07 321X 00 HOUI AL INSP A AS LIS ANNUA	MODE S/N: R INSPECTION (STED IN A L INSPECTOR RETU	Hrs. L: 10-52/112839-R TION IAW COMPLET D LOG. I	AIR Min. O-A23B V TELE TED TH CERTI D WAS	Total	HANICAL SHANICAL SHAN	Min. Min.	OH: 371.83 MAINTENAN ABLE AD'S (E WAS INSF	TACH: 520 HOBBS: 38 ICE MANUAL. CHECKED AND C/W PECTED IN ACCORD THY CONDITION.	8.0 33.9 DANCE	6	
		Ground	Air DATE: 11/REG: N43 1 C/W 1 ANNU OR N/WITH APPR	/11/07 321X 00 HOUI AL INSP A AS LIS ANNUA	MODE S/N: R INSPECTION (STED IN A L INSPECTOR RETU	Hrs. L: 10-52/112839-R TION IAW COMPLET D LOG. I	AIR Min. O-A23B V TELE TED TH CERTI D WAS	Total	HANICAL SHANICAL SHAN	Min. Min.	OH: 371.83 MAINTENAN ABLE AD'S (E WAS INSF	TACH: 520 HOBBS: 38 ICE MANUAL. CHECKED AND C/W PECTED IN ACCORD THY CONDITION.	8.0 33.9 DANCE	6	

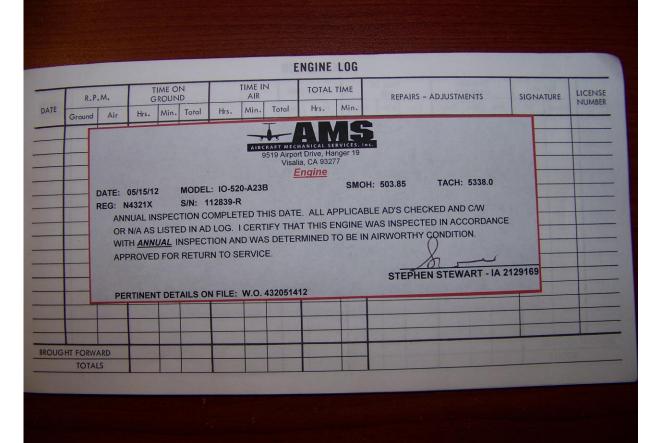




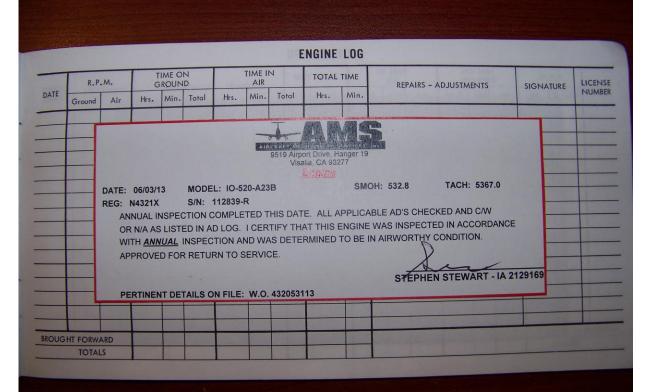


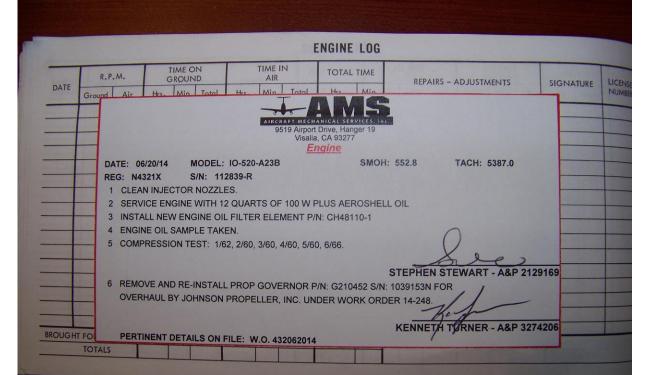


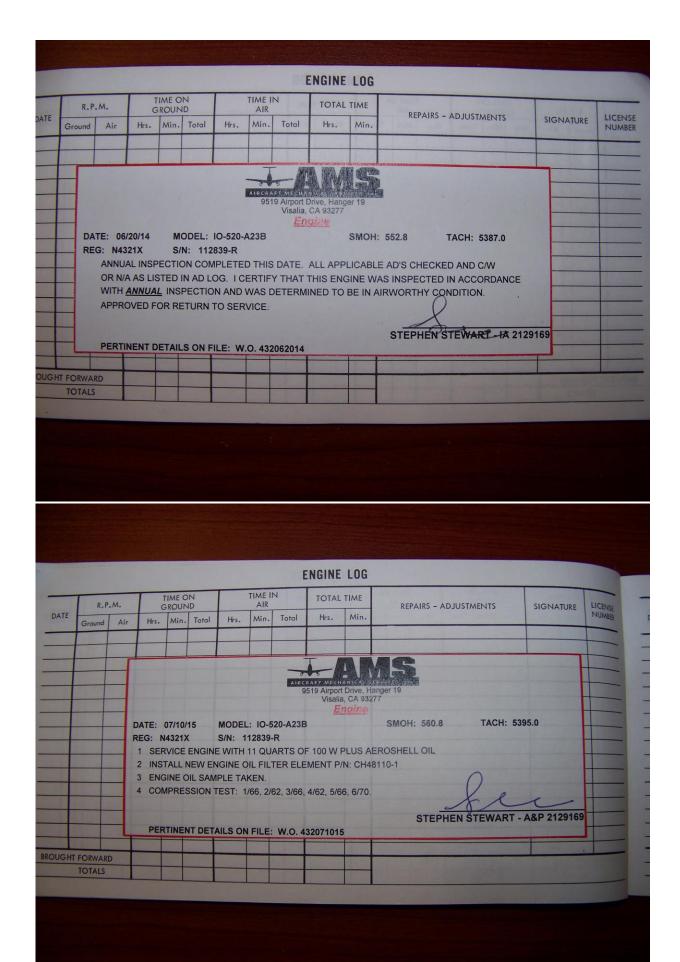
ENGINE LOG TIME IN TIME ON TOTAL TIME R.P.M. REPAIRS - ADJUSTMENTS LICENSE SIGNATURE DATE NUMBER Min. Min. Total Hrs. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 **Engine** SMOH: 503.85 TACH: 5338.0 MODEL: 10-520-A23B DATE: 05/15/12 S/N: 112839-R REG: N4321X 1 SERVICE ENGINE WITH 11 QUARTS OF 100 W PLUS AEROSHELL OIL 2 INSTALL NEW ENGINE OIL FILTER ELEMENT P/N: CH48110-1 3 ENGINE OIL SAMPLE TAKEN. 4 COMPRESSION TEST: 1/70, 2/68, 3/65, 4/70, 5/64, 6/72. STEPHEN STEWART - A&P 2129169 5 INSTALL LEFT AND RIGHT MAGNETO HARNESS P/N: M2381 AND GROMMETS P/N: MS35489-8. DANIEL SANTILLAN - A&P 3616668 PERTINENT DETAILS ON FILE: W.O. 432051412



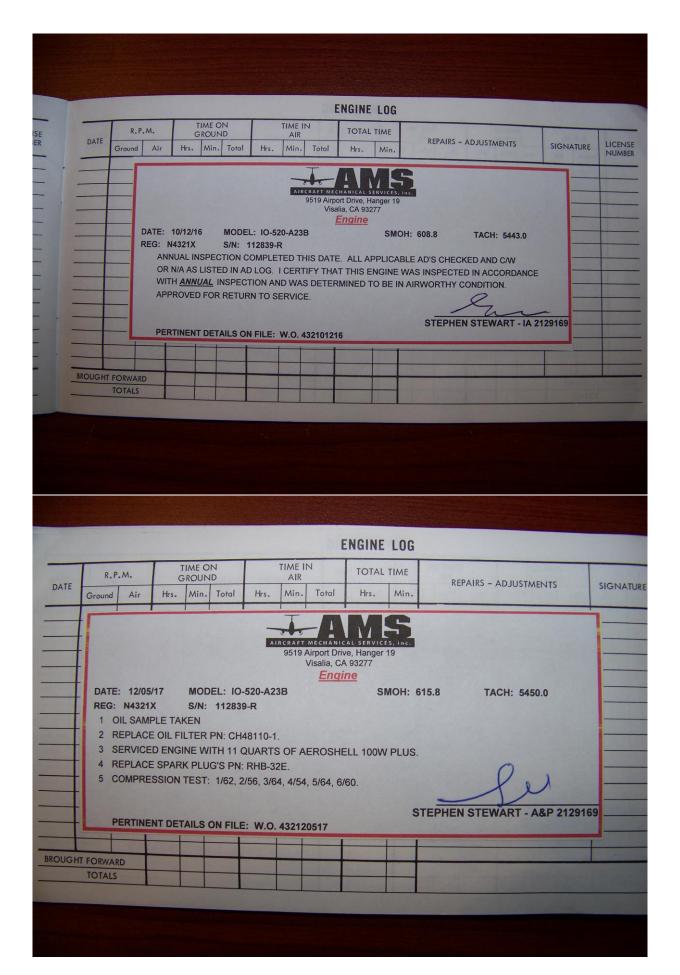
ENGINE LOG TIME IN TIME ON GROUND TOTAL TIME R.P.M. REPAIRS - ADJUSTMENTS SIGNATURE DATE Min. Total Min Min. Total Hrs. Air Visalia, CA 93277 SMOH: 532.8 TACH: 5367.0 MODEL: 10-520-A23B DATE: 06/03/13 REG: N4321X S/N: 112839-R 1 SERVICE ENGINE WITH 12 QUARTS OF 100 W PLUS AEROSHELL OIL 2 INSTALL NEW ENGINE OIL FILTER ELEMENT P/N: CH48110-1 3 ENGINE OIL SAMPLE TAKEN. 4 COMPRESSION TEST: 1/64, 2/68, 3/64, 4/68, 5/65, 6/70. STEPHEN STEWART - A&P 2129169 PERTINENT DETAILS ON FILE: W.O. 432053113 BROUGHT FORWARD







								ENGINE	LOG				
R.F	.M.		IME O			TIME II	N	TOTAL	TIME				
Ground	Air	Hrs.	Min.	Name and Address of the Owner, where	Hrs.	Min.	Total	Hrs.	Min.		REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN
												RA	
							1000 C 10 IA 10 W	THE RESERVE OF THE PARTY OF THE	2.00 DOX	of the construction		Walter	N. I
						AUR		rport Drive, I isalia, CA 93	277	noc.			
	OR WI	N4321X NUAL IN N/A AS TH <u>ANN</u>	ISPEC LISTE	S/N: 1	D LOG. TION AI	R TED T I CER ND WA	HIS DA	HAT THIS	SM APPLICA ENGINE	ABLE A	TACH: 5395.0 AD'S CHECKED AND C/W INSPECTED IN ACCORDANCE WORTHY CONDITION.		
											tele	20460	-
											STEPHEN STEWART - IA 21	29169	
	PE	RTINEN	T DET	AILS O	N FILE:	W.O.	43207	1015	-	_			
FORWA	ARD												100
TOTAL												I THE	
								-	Jan V	Total Control			
			G 15										
					IME ON		TIA	E	NGINE	LOG			
	DATE	R.F		G	IME ON ROUND		1	TE IN	NGINE	LOG	REPAIRS - ADJUSTMENTS	SIGNATURE	LICE
	DATE	Ground	.M.		ROUND	otal I	1	E IN	TOTAL Hrs.	LOG TIME	REPAIRS – ADJUSTMENTS	SIGNATURE	LICE
	DATE 7.35/16	1		G	ROUND	otal I	1	TE IN	NGINE	LOG TIME Min.		(c	LICINU



								20	ENGINE	LOG				
	R.F	.M.		IME O			TIME I	N	TOTAL	TIME	141 (181)	1123041		
DATE	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.	REPAIRS -	- ADJUSTMENTS	SIGNATURE	LICEN
	REG: AN OF WI AP	R N/A AS TH <u>ANN</u> PROVED	ISPECT LISTED UAL INS	OIN AL SPECTURE	112839- COMPLE D LOG. TION AI	20-A23E R TED TH I CERT ND WAS SERVICE	9519 Air Vis B IIS DAT IFY TH C DETE	rport Drive salia, CA Engin FE. ALL AT THIS	SM APPLICA SENGINE	OH: 61 ABLE AI WAS I N AIRW	D'S CHECKED A NSPECTED IN A VORTHY CONDI	CCOPDANCE	69	
									ENGINE	LOG				
	1			IME O			TIME II		TOTAL					
DATE	Groun	P.M.	G	ROUN	ID	Hrs.	AIR		A	Hanger 3277	S, inc.	AD UNION TO	JRE	LICENS
		REG: 1 OII 2 RE 3 SE 4 CO	N4321X L SAMP PLACE RVICED MPRES	LE TA OIL F D ENG SSION	S/N: KEN ILTER F INE WI TEST:	1/68, 2/	-R 8110-1 UARTS 64, 3/6	S OF AE	ROSHEL! 5/65 & 6/6 620	L 100W	PLUS.	N STEWART - A8		
ROUGH	TOTALS													

ENGINE LOG TIME ON TIME IN TOTAL TIME R.P.M. GROUND REPAIRS - ADJUSTMENTS LICE SIGNATURE Min. Total Min. Hrs. NU Min. Total Hrs. Ground 9519 Airport Drive, Hanger 19 Visalia, CA 93277 **Engine** TACH: 5450.0 SMOH: 635.8 MODEL: 10-520-A23B DATE: 02/06/2020 S/N: 112839-R ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND CW **REG: N4321X** OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION APPROVED FOR RETURN TO SERVICE. STEPHEN STEWART - IA 2129169 PERTINENT DETAILS ON FILE: W.O. 432020620 HT FORWARD

ENGINE LOG

D

TOTALS

MAKE: TCM MODEL: IO-520-A S/N: 112839 DATE: 03/18/2021



W/O: #1462 TACH: 5509.7 TSMOH: 673.5

N/A

• 100-hour inspection completed on this date in accordance with Wilco Aviation checklist.

- Changed oil and oil filter, cut filter for inspection, checked good. Serviced engine with 10 quarts of Aeroshell W100 Plus oil and Champion CH48110-1 oil filter.
- Compressions checked at #1) 65/80, #2) 64/80, #3) 62/80, #4) 61/80, #5) 66/80, #6) 63/80.
- Cleaned, gapped, tested and inspected spark plugs, retimed magnetos to engine, installed new Brackett induction filters P/N: BA-2205-R/BA-2205-L.
- Degreased engine, ground run-up leak/operational check was satisfactory.
- Checked AD's, C/W AD# 96-12-22 by inspection of oil filter adapter, recurring at 5609.7 Tach/TT or next oil filter change, no new or recurring AD's due at this time. See complete AD list for details.

I certify that I have inspected this engine in accordance with a 100-hour inspection and found it to be in airworthy condition for return to service.

Tile Olch AHP # 3418801

ENGINE LOG

wo: 22-1786	крмо хох	Engine - page 1 of 2	SIGNATURE	LICEN
Edm	onds Aviation LLC - 1 SF Searcy Municipal Airport - Searcy, Arkansas 72143 - (870) 2	17-9598		NUM
N4321X TACH: 5540.25	CONT MOTOR, IO-520-A, S/N: 112839-R SMOH: 704.05	May 06, 2022		
O-520-A. ENGINE PN	IO-520-A, SN: 112839-R,			
2. Drained oil and c gine with 10qts A Installed (10 qua CAMGUARD-AVI	ection & Service on Engine with reference to 14 CFR 43 ollected oil sample for review. Change oil filter with new leroshell W100 Installed P/N AA48110-2 - Oil Filter, Tert) P/N W100 - AeroSheil 100 W SAE 50 Oil Rev/Lot A-1 - ASL Oil Additive Rev/Lot: PO1728.	AA48110-2. Serviced enmpest Rev/Lot: PO1716, ET PO1473, Installed P/N		
Removed valve of new in reference.	overs on cylinders 1.2, and 3, removed and replaced ex to Continental M-0 manual. Installed (3) P/N 652112 - To	CM Rotocoil Assy.		
	d on items listed above: William Abbott, Thomas Saylor,			
echnicians who worker	of flems listed above. William Abbott, Frioritas Saylor,	-		
wo: 22-1786	Va-	Engine - page 2 of 2	Market St.	
	EUNITO			
	Edmonds Aviation I.I.C 1 SE Searcy Municipal Aliport - Searcy, Arkansas 72143 -			
facturer Maintenance	e. With reference to above mentioned work performed! Manual, I certify this engine is approved for return to so on file with Edmonds Aviation (1.0 under work order: 22)	prvice at this time. Details of		
David Edmonds A&F	No Vallanta			
facturer Maintenance	Manual. I certify this engine is approved for return to s	prvice at this time. Details of		

ENGINE LOG

Edmonds Aviation LLC - 1 SE Searcy Municipal Airport - Searcy, Arkansas 72143 - (501) 388-1850 N4321X CONT MOTOR, IO-520-A, S/N: 112839-R May 19, 2023 TACH: 55556.62 SMOH: 720.42 IO-520-A, ENGINE PN: IO-520-A, SN: 112839-R, 1. C/W 100Hr Inspection on engine with reference to 14 CFR 43 Appendix D Installed P/N 649983 - TCM Gasket Rev/Lot: PO1763a, Installed P/N MS28775-219 - O-RING Rev/Lot: PO1407. 2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with 10 qts. Installed P/N A48110-2 - Oil Filter, Tempest Rev/Lot: 5299199, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: 15722672, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: 11492. Technicians who worked on items listed above: Thomas Saylor, Ronald Bowden	LICENSE
Edmonds Aviation LLC · 1 SE Searcy Municipal Airport · Searcy, Arkansas 72143 · (501) 388-1850 N4321X CONT MOTOR, IO-520-A, S/N: 112839-R May 19, 2023 TACH: 5556.62 SMOH: 720.42 IO-520-A, ENGINE PN: IO-520-A, SN: 112839-R, 1. C/W 100Hr Inspection on engine with reference to 14 CFR 43 Appendix D Installed P/N 649983 - TCM Gasket Rev/Lot: PO1763a, Installed P/N MS28775-219 - O-RING Rev/Lot: PO1407. 2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with 10 qts. Installed P/N AA48110-2 - Oil Filter, Tempest Rev/Lot: 5299199, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: 15722672, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: 11492.	NUMBE
N4321X TACH: 5556.62 SMOH: 720.42 IO-520-A, ENGINE PN: IO-520-A, SN: 112839-R, 1. CW 100Hr Inspection on engine with reference to 14 CFR 43 Appendix D Installed P/N 649983 - TCM Gasket Rev/Lot: PO1763a, Installed P/N MS28775-219 - O-RING Rev/Lot: PO1407. 2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with 10 qts. Installed P/N A448110-2 - Oil Filter, Tempest Rev/Lot: 5299199, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: 15722672, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: 11492.	
TACH: 5556.62 SMOH: 720.42 IO-520-A, ENGINE PN: IO-520-A, SN: 112839-R, 1. C/W 100Hr Inspection on engine with reference to 14 CFR 43 Appendix D Installed P/N 649983 - TCM Gasket Rev/Lot: PO1763a, Installed P/N MS28775-219 - O-RING Rev/Lot: PO1407. 2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with 10 qts. Installed P/N AA48110-2 - Oil Filter, Tempest Rev/Lot: 5299199, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: 15722672, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: 11492.	
1. C/W 100Hr Inspection on engine with reference to 14 CFR 43 Appendix D Installed P/N 649983 - TCM Gasket Rev/Lot: PO1763a, Installed P/N MS28775-219 - O-RING Rev/Lot: PO1407. 2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with 10 qts. Installed P/N AA48110-2 - Oil Filter, Tempest Rev/Lot: 5299199, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: 15722672, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: 11492.	
TCM Gasket Rev/Lot: PO1763a, Installed P/N MS28775-219 - O-RING Rev/Lot: PO1407. 2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with 10 qts. Installed P/N AA48110-2 - Oil Filter, Tempest Rev/Lot: 5299199, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: 15722672, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: 11492.	
Maintenance Release: With reference to above mentioned work performed IAW current FARs and Manufacturer Maintenance Manual, I certify this engine is approved for return to service at this time. Details of work performed are on file with Edmonds Aylation ZLQ unage work order: SRQ_23-1095. David Edmonds A&P/IA 3793747	

This engine model __10520A23B___, Serial No. 112839-R, was rebuilt/zero timed on 09/04/98 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

MSB96-10 N/A CRANKSHAFT ULTRASONIC INSPECTIOON
MSB94-8A N/A MAGNETO TO ENGINE TIMING
CSB9710A 97-21-02 PISTON PIN PLUG WEAR
CSB94-4 N/A *INSTALLED NEW GEARS
CSB94-9 N/A GTSIO52O CRANKCASE OIL PASSAGE INSPECTION
CSB97-9 N/A GTSIO52O CRANKCASE INSPECTION
CSB9710A 97-21-02 PISTON PIN PLUG WEAR
N/A 75-09-13 REPLACED WITH NEW PART
M77-14 77-13-22 REPLACED WITH NEW PART
M79-2 79-05-09 REPLACED WITH NEW PART

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

Sheet 2 of 2 Continued from front cover TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508