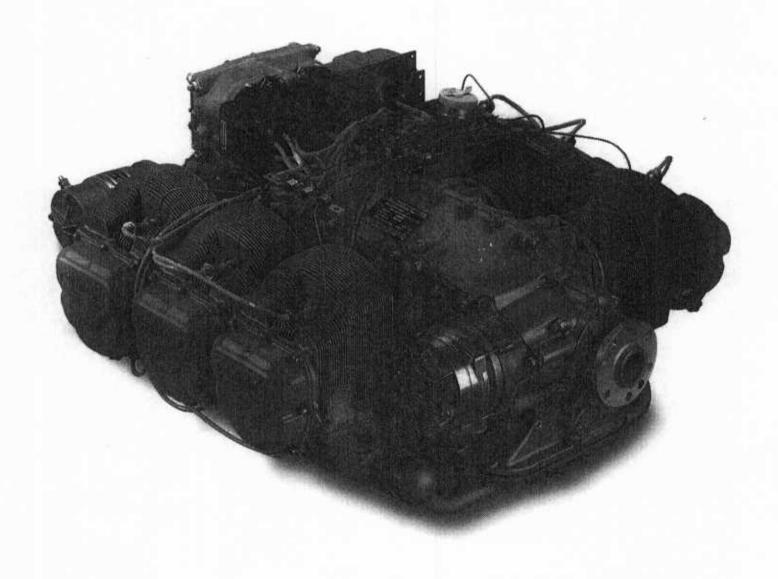
ENGINE LOG BOOK





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 2039 Broad Street Mobile, AL 36615

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



this engine model 10F240B#

Serial No. 400143 was manufactured on 6430 2007

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

A TELEDYNE TECHNOLOGIES COMPANY PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record						
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins						
ought Fr			-								
			C	low Inter	laintenance Services, Inc. – 1C5 national Airport, Bolingbrook, IL						
	TYPE: I	iberty XI									
	"N" #: N 583XL DATE: 03/26/2008				TACH TIME: 132.8 Hrs. ENGINE TT: 132.8 Hrs.						
					<u></u>						
	Complied with TCM SSI07-6 by replacing both FADEC ECU assemblies this time and date.										
	Removed right ECU p/n 657093-1, s/n 0705235, and reinstalled p/n 657440-2, s/n 0705226A. Removed right ECU p/n 657093-1, s/n0722050, and reinstalled p/n 657440-1, s/n 0714032A. Performed satisfactory ground run-up and diagnostics test.										
		AP505029	9217IA								
		Teledyne (Continent	al Motors							
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	1		1								
-											
	A & M Maintenance Services, Inc. – 1C5 Clow International Airport, Bolingbrook, IL.										
	TYPE: Liberty XL-2				TACH TIME: 133.2 Hrs.						
		N 583XI			ENGINE TT: 133.2 Hrs.						
	At this time, the engine oil was drained and the filter was removed, opened, and inspected										
			241 41/111	a morecu ar	I IIIIS IIIIDE I DO ODONDO TUDO COMUNA I						
	Aeroshell 15w50 oil and one Champion CH48108-1oil filter. The engine was washed and										
	1	/	//		END						
		cun,	160	7							
	Adam J. Cote AP 3035886										
		22000									
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A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL

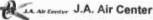
"N" # DAT At th luber Cont and c conta 76/80 gapp filter	TYPE: Liberty XL-2 "N" #: N 583XL DATE: 07/15/2008 At this time, the engine was cleaned for inspection. All components were inspected and lubed in accordance with an ANNUAL INSPECTION per Liberty and Teledyne Continental Service Manuals. The oil and filter was changed using 6qts Aeroshell 15w50 and one Champion CH48108-1 filter. The old filter was cut open and inspected, no contamination noted. A compression test was performed with the following results: #1-76/80, #2-76/80, #3-79/80, and #4-78/80. The spark plugs were cleaned, inspected, gapped, tested, and rotated. The ignition leads were cleaned and tested. The induction filter was cleaned and oiled. The engine was ground run, and checked for leaks - no leaks were noted at this time. All AD's were checked thru bi-weekly 2008-13.						
according 100-1 determined Adam	dance with a HOUR INSPEC	TION and was an airworthy condition.	I certify this engine has accordance with an ANNUAL INSPECTI determined to be in an John J. Blaha Jr. AP 2238954	ON and was			
	1 1	-	1				
			nance Services, Inc 1C5				
TYPE	Liberty XL-2	Clow Internation	al Airport, Bolingbrook, IL. TACH TIME:	195.1 Hrs.	-		
"N" #:	N 583XL 10/02/2008		ENGINE TT:	195.1 Hrs.			
The FA installe a new l Contine remove S/N 08 injector	d, cleaned, insp. DEC speed ser d, P/N 655427 ow voltage contental Motors, W d, P/N 657440-19004, was inst. P/N 655788 v	sected, and reinstalled asor was removed, P/N S/N 0824031. The low trol harness, P/N 65599 1/O# P74347. The right 1. Rev. A., S/N 71403; talled from Teledyne Covas removed and a new	leaned, tested, and reinstalled. The Performed a level 1 maintenance do 655427 S/N 0640122, and a new so voltage control harness, P/N 6559 96, S/N 0809048 was installed from thand electronic control unit (cylin 2A, and a new electronic control unit on timental Motors, W/O# P74347, fuel injector, P/N 655788, S/N 08	ownload and failed. peed sensor was 96 was removed and Teledyne nders 1 & 2) was it, P/N 657440-1. The #2 cylinder fuel			
downlo	ad was perform	ental Motors, W/O# P/ ned by Teledyne technic	4347. Ground ran and ops checked al representative.	normal. A data			
	9.1.		ÉND		-		
de	heef for	lung			-		
AP 22	38954	//			-		
	0				-		
					-		

Total Time Time Since Date Engine Service and Maintenance Record Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Hrs. Min. Hrs. Min. Modifications and Service Bulletins Brought Forwa A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL. TYPE: Liberty XL-2 TACH TIME: 220.1 Hrs. "N" #: N 583XL ENGINE TT: 220.1 Hrs. DATE: 02/02/2009 At this time, the engine oil was drained and the filter was removed, opened, and inspected for contamination - none noted at this time. The engine was serviced with six quarts of Aeroshell 15w50 oil and one Champion CH48108-1 oil filter. The engine was washed and run. No defects were noted. Wolam Adam J. Core AP 3035886 A & M Maintenance Services, Inc. - 1C5 . Clow International Airport, Bolingbrook, IL. TYPE: Liberty XL-2 TACH TIME: 252.3 Hrs. "N" #: N 583XL ENGINE TT: 252.3 Hrs. DATE: 06/20/2009 At this time, the throttle position switch was replaced, P/N 657126. The inline fuel filter was cleaned, inspected, and installed using a new o-ring, P/N AS3578-020. The fuel distributor screen was cleaned, inspected, and installed using a new gasket, P/N 656077-3, and a new o-ring, P/N 656077-2. Ops check ok. Rolain Adam J. Cote/ AP 3035886 A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL TYPE: Liberty XL-2 TACH TIME: 271 1 Hrs "N" # N 583XL ENGINE TT: 271.1 Hrs. DATE: 08/03/2009 At this time, the engine was cleaned for inspection. All components were inspected and lubed in accordance with an ANNUAL INSPECTION per Liberty and Teledyne Continental Service Manuals. The oil and filter was changed using 6qts Aeroshell 15w50 and one Champion CH48108-1 filter. The old filter was cut open and inspected, no contamination noted. A compression test was performed with the following results: #1-76/80, #2-70/80, #3-74/80, and #4-75/80. The spark plugs were cleaned, inspected, gapped, tested, and rotated. The ignition leads were cleaned and tested. The oil pressure relief valve was removed, cleaned, and reinstalled with a new seal ring. The rocker box cover screws were tightened. The fuel injectors were removed, cleaned, and reinstalled The engine was ground run, and checked for leaks - no leaks were noted at this time. All AD's were checked thru bi-weekly 2009-15. I certify this engine has been inspected in I certify this engine has been inspected in accordance with a accordance with an 100-HOUR INSPECTION and was ANNUAL INSPECTION and was determined to be in an airworthy condition. determined to be in an airworthy condition. leremy D. Brzyck AP 2773579

Date			C	A & M low Inte	Maintenance Services, Inc. – 1C5 rnational Airport, Bolingbrook, IL.	ord ctions,			
rought Fo	TYPE: Lit "N" #: N 5 DATE: 11/	583XL			TACH TIME: 294.8 Hrs. ENGINE TT: 294.8 Hrs.				
	At this time, Performed a level 1 maintenance download and failed. Found and repaired wiring to the MAP sensor. Ground ran and ops checked normal. A data download was performed and passed. —END——————————————————————————————————								
	Adam J. Co	en /	Cox	1	CND				
	AP 303588	36							
					Maintenance Services, Inc. – 1C5 ernational Airport, Bolingbrook, IL.				
	TYPE: Li	harte V		low line		_			
	"N" #: N DATE: 03	583XL			TACH TIME: 304.4 Hrs. ENGINE TT: 304.4 Hrs.				
	contaminat removed, P crankshaft The camsh replaced as Champion Maintenan	gear wa aft gear and gear ce Level	contaming 20-1 S/N is removed bolts wer The engine	nation in 030787 d and rep e replace ine was s liter. The ownload	ined and the filter was removed, opened, and inspected for filter, gear tooth found in engine oil sump. The starter was 1008, and replaced with new, P/N BC320-1 S/N 01104658S. The placed with new, P/N 626762, using new bolts, 4ea P/N 22532 and with new, 4ea P/N 22534. All associated gaskets were serviced with six quarts of Aeroshell 15w50 oil and one are engine was washed and run. No defects were noted. A Post was performed and passed. END				
ZAPRIO	AP 3035	-	-	_	Adj. Fuel pressure I/A/W TCI MM. Performed Level 1 run; with a se	M W3			
					Pass Engine is OK for return	1.0			
					M AP3011468				
				-	END F				
3 Tom Lambre Romeoville IL Ph: (866)606- Fax: (888)475	60446 5327		Wi	nd	Walker ENGINE REG#: N5832 IOF240B5 S/N: 4 TACH: 348.3	00143			
 Complied a reference Compres Drained of 	sion Check:	ual Insp #1-74/ filter, in	80,#2-6	4/80,#	43 Appendix D and using the Liberty XL-2 & TCM Service Mar 3-74/80, #4-74/80 /80. 148108-1 filter and serviced engine with 6 qts AeroShell 15W5				
INSPECTION	N, AS PER PAI NG AD NOTE	RT 43 A	APPENDI	X D. AN	ROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN A NO WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. ILS ARE ON FILE AT WINDWALKER AVIATION SERVICES LLC	NO			
		1 4 1	1 1 1						

WindWalker Aviation Services, LLC, 3 Tom Lambrecht Drive, Romeoville, IL 60446, FAA Certificated Repair Station No.W4LR644Y

ENGINE MODEL: IOF-240-B ENGINE S/N: 400143 REG. NO. N583XI WORK ORDER: 137-10-2011



Repair Station No. NF2R029L 43W730 US RT 30 Sugar Grove, Illinois 60554 Phone: 630 584 3200

DATE 14 October, 2011 A/C TSN 404 4 ENG TT 404 4 TSMOH TACH 404 4

Engine Entries

- This engine was inspected and serviced as per the Liberty and TCM service manuals for an annual inspection. Compressions were tested as follows. #1/75, #2/70, #3/76 & #4/75 all over 80 PSI. The oil and filter were changed. Opened and inspected the oil filter. Serviced engine with Aeroshell 15W50 oil and installed new filter p/n AA48110-2.
- a Adjusted idle speed to 650-700 RPM
- 10 installed 4 new exhaust rocker cover gaskets p/n 655704
- 14 Torqued cam shaft cover plate IAW SB96-7C

Maintenance Release I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station. CRS NF2R029L under Work Order No. 137-10-2011, Dated 14 DATE 14 October, 2011 SIGNED: Work Order: 137-10-2011 Don Morgan Certified Repair Station No. NF2R02 Printed by EBis 3 (datcomedia.com) REG. NO. N583XL MIDWEST AVTECH INC. DATE 07/31/12 MAKE TCM I.V. REGIONAL AIRPORT FHM 446.9 MODEL IO-240-B 4241 ED URBAN DR. T.T. 3/14 400143 PERU, IL 61354 DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -GROUND RUN AND LEAK CHECK GOOD THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARS. ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE BRYAN G. HARTMAN A&P 354729066 IA MIDWEST AVTECH INC. REG. NO. N583XL DATE 01/01/13 MAKE TCM I.V. REGIONAL AIRPORT TACH 469.5 MODEL IOF-240-B P.O.BOX 451 T.T. 469.5 S/N 400143 PERU, IL 61354 SMOH DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 74/80 #2 65/80 #3 - 75/80 #4 - 71/80 - REPLACED #4 INTAKE GASKET (P/N 649963) - GROUND RUN AND LEAK CHECK GOOD I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION BRYAN G. HARTMAN A&P 354729066 IA REG. NO. N583XL MIDWEST AVTECH INC. DATE 06/04/13 MAKE TCM I.V. REGIONAL AIRPORT FHM 478.5 P/N IOF-240-B5 4241 ED URBAN DR. T.T. 400143 PERU, IL 61354 DRAINED OIL, REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - GROUND RUN AND LEAK CHECK GOOD THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARS -ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE BRYAN G. HARTMAN A&P 354729066 IA

DATE 02/13/14 REG. NO. N583XL MIDWEST AVTECH INC. MAKE I.V. REGIONAL AIRPORT TACH 496.4 TCM MODEL T.T. 496.4 IOF-240-B P.O.BOX 451 Date ord SMOH PERU, IL 61354 400143 S/N :tions. DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 72/80 #2 62/80 #3 - 75/80 #4 - 70/80 - GROUND RUN AND LEAK CHECK GOOD Brought For I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION Charles M Studet A&P 337545845 IA CHARLES M. STUDER DATE 07/31/14 MIDWEST AVTECH INC. REG. NO. 583XL HOBBS 502.7 I.V. REGIONAL AIRPORT TCM MAKE TT P.O.BOX 451 MODEL IOF-240-B 400143 PERU, IL 61354 S/N DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -GROUND RUN AND LEAK CHECK GOOD THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARS -ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE A&P 3614153 AARON R. DELHOTAL 05/14/15 DATE MIDWEST AVTECH INC. REG. NO. N583XL TACH 520.7 I.V. REGIONAL AIRPORT MAKE TCM T.T. 520.7 P.O.BOX 451 MODEL IOF-240-B SMOH PERU, IL 61354 400143 S/N INSPECTED ENGINE USING TCM AND LIBERTY CHECKLISTS AS A GUIDE - DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 78/80 #2 - 68/80 #3 - 77/80 #4 - 76/80 GROUND RUN AND LEAK CHECK GOOD I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION Marlis M Stude T A&P 337545845 IA CHARLES M. STUDER 06/24/16 DATE MIDWEST AVTECH INC. REG. NO. N583XL TACH 540.5 I.V. REGIONAL AIRPORT MAKE TCM T.T. 540.5 P.O.BOX 451 MODEL IOF-240-B SMOH PERU, IL 61354 S/N 400143 INSPECTED ENGINE USING TCM AND LIBERTY CHECKLISTS AS A GUIDE - DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 70/80 #2 - 68/80 #3 - 70/80 #4 - 72/80 GROUND RUN AND LEAK CHECK GOOD I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION CHARLES M. STUDER A&P 337545845 IA 06/22/17 DATE MIDWEST AVTECH INC. REG. NO. N583XL TACH 557.8 I.V. REGIONAL AIRPORT MAKE TCM 557.8 T.T. P.O.BOX 451 IOF-240-B MODEL SMOH PERU, IL 61354 400143 S/N INSPECTED ENGINE USING TCM AND LIBERTY CHECKLISTS AS A GUIDE - DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 72/80 #2 - 70/80 #3 - 74/80 #4 - 70/80 GROUND RUN AND LEAK CHECK GOOD I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION harles 4 Studen A&P 337545845 IA

CHARLES M. STUDER

Date REG. NO. N583XL rd MIDWEST AVTECH INC. DATE 08/08/18 MAKE TCM I.V. REGIONAL AIRPORT TACH 589.3 ins, IOF-240-B MODEL P.O.BOX 451 T.T. 589.3 Brought Forwa S/N 400143 PERU, IL 61354 SMOH INSPECTED ENGINE USING TCM AND LIBERTY CHECKLISTS AS A GUIDE - DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 70/80 #2 - 70/80 #3 - 73/80 #4 - 72/80 GROUND RUN AND LEAK CHECK GOOD I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION CHARLES M. STUDER Charles M. Studen A&P 337545845 IA