



TELEDYNE CONTINENTAL



Gold Medallion Aircraft Engine

USE ONLY
FUEL
CONFORMING
TO ASTM D910.

USE OF AUTOMOTIVE
GAS IS NOT
APPROVED.

REBUILT ENGINE LOG

N 3812X

AIRCRAFT N NUMBER

RIGHT ENGINE

ENGINE MODEL NUMBER

ENGINE SERIAL NUMBER

This engine model I0470V09B, Serial No. 171175-R, was rebuilt/zero timed on 03/17/97 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	AD	REMARKS	SB	AD	REMARKS
M70-10	70-14-07	REPLACED WITH NEW PART			
M88-4	88-03-06	REPLACED WITH NEW PART			
N/A	91-19-03	REPLACED OIL FILTER			
M92-1	N/A	*ROCKER SHAFT RETENTION IMPROVED			
CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE			

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

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508

Walter Foque

ENGINE LOG

[illegible]

ENGINE LOG

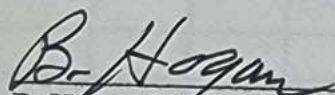
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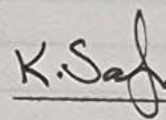
I0470V09B S/N 171175

8-29-97 Hours: 544.5

The following work was performed by TCM MMF 322-10 on the above listed engine:

Inspected engine for compliance to CSB97-10. Found rust in cylinder bores. Removed and replaced cylinders, and rings. Reassembled engine IAW production procedures. New gaskets and seals were used. Tested engine IAW applicable TH specification.


B. Hogan, Mechanic

 TIP217884786
K. Safiran, A&P

LICENSE
NUMBER

ENGINE LOG

DATE 1998	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
7-3			Compress	10W	TEST.	#1	77/80	#2	75/80	#3	75/80	#4	75/80.
H	566	2	#5	75/80.	#6	75/80.	Checked MAG TIMING. Cleaned						
SFREM	33	2	SPARKPLUGS, AIR FILTER & FUEL FILTER.										
Annual Inspection Completed This Date <u>7-3-98</u> At <u>566.2</u> Hours. I Certify That This Aircraft/Engine Has Been Inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI <i>Mike Passwater</i>													
BROUGHT FORWARD													
TOTALS													

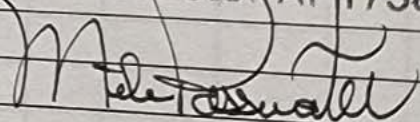
ENGINE LOG

DATE	R.P.M.		TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	AERO TECH ACTIVITIES 4233 SANTA ANITA AVE. BOX 4 HANGAR W-1 EL MONTE, CA. 91006 626 448 9575 FAX 626 448 9675					
			REG#: N3812X MAKE: CESSNA 310K S/N: 310K-0212 Date: 07-28-1999 TACH: 612.3 REMOVED GENERATORS AND REGULATORS. INSTALLED ALTERNATORS AS PER STC KIT NO. P324R. INSTALLED NEW REGULATORS. INSTALLED CIRCUIT BREAKERS FOR OVERVOLTAGE UNDER CO-PILOT SEAT. CHECKED FOR ELECTRICAL LOADING- OPERATION NORMAL. COMPLETED 337 FORM. REVISED WEIGHT AND BALANCE AND EQUIPMENT LIST AT THIS TIME.  FRANK T. DOHNAL A&P 2108278					
BROUGHT FORWARD								
TOTALS								

ENGINE LOG

ENGINE LOG												SIGNATURE	LICENSE NUMBER
DATE 1999	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS		
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
8-2						CHANGED OIL & OIL FILTER . SERVICED WITH SHELL							
H	612	3				100W. COMPRESSION TEST. #1 76/80 #2 74/80 #3 78/80							
S SFRem	79	3				#4 75/80 #5 76/80 #6 73/80 . Insp. OIL filter Adapter							
						FOR SECURITY PER AID 96-12-22. CLEANED AIR FILTER &							
						FUEL FILTER.							
BROUGHT FORWARD													
TOTALS													

Annual Inspection Completed
This Date 8-2-99 At 612.3 Hours.
I Certify That This Aircraft / Engine
Has Been Inspected IAW
An Annual Inspection And Was
Determined To Be In An
Airworthy Condition
Nike Passwater AP1758050AI



ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2000 5-25													
H	640	5											
SFREM	107	5											
2000 8-18													
H	665	0											
SFREM	132	0											
BROUGHT FORWARD													
TOTALS													

CHANGED OIL & OIL FILTER. SERVICED WITH SHELL 100W.

Mike Passwater A+P 1758050

COMPRESSION TEST. #1 73/80 #2 67/80 #3 70/80 #4 76/80 #5 77/80 #6 72/80.
CHECKED MAG TIMING, CLEANED SPARKPLUGS, FUEL FILTER & AIR FILTER.

A.D. 2000-08-51 M/A OVERHAUL DATE.

Annual Inspection Completed
This Date 8-18-2000 At 665.0 Hours
I Certify That This Aircraft/Engine
Has Been Inspected IAW
An Annual Inspection And Was
Determined To Be In An
Airworthy Condition
Mike Passwater AP1758050AI

Mike Passwater

ENGINE LOG

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2000													
10-11			CHANGED OIL & OIL FILTER. SERVICED WITH SHELL 100W. INSPECTED										
H	682	5	OIL FILTER ADAPTER PER A.D. 96-12-22. Mike Passwater AP 1758050.										
SFREM	149	5											
2001.													
9-7			CHANGED OIL & OIL FILTER. SERVICED WITH SHELL 100W.										
Hobbs.	713	0	COMPRESSION TEST. #1 74/80 #2 76/80 #3 70/80 #4 75/80 #5 77/80 #6 73/80.										
SFREM.	180	0.	RETIMED RIGHT MAG. CLEANED SPARKPLUGS, FUEL FILTER + AIR FILTER										
			GAMI INJECTORS INSTALLED PER STC SE 09217SC. REFER TO 337										
			Annual Inspection Completed										
			This Date 9-7-2001 At H 713.0 Hours.										
			I Certify That This Aircraft/Engine										
			Has Been Inspected IAW										
			An Annual Inspection And Was										
			Determined To Be In An										
			Airworthy Condition										
			Mike Passwater AP1758050AI										
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2002													
10-17													
Hobbs	760	4											
SFAEM.	227	4.											
COMPRESSION TEST. #1 70/80 #2 75/80 #3 75/80 #4 70/80 #5 75/80 #6 74/80. checked MAG TIMING. CLEANED SPARKPLUGS, FUEL FILTER + AIR FILTER. A.D. 00-23-21 N/A ENG. REMAN DATE. Annual Inspection Completed This Date <u>10-17-2002</u> At <u>760.4</u> Hours. I Certify That This Aircraft/Engine Has Been Inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI <i>Mike Passwater</i>													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2003 11-6													
Hobbs	796	5											
SFrem	263	5											
BROUGHT FORWARD													
TOTALS													

CHANGED OIL & OIL FILTER. SERVICED WITH SHELL 100W.
COMPRESSION TEST #1 68/80 #2 75/80 #3 69/80 #4 74/80 #5 74/80 #6 74/80
CHECKED MAG TIMING. CLEANED SPARKPLUGS, AIR FILTER + FUEL FILTER.

Annual Inspection Completed
This Date 11-6-2003 At 796.5 Hours.
I Certify That This Aircraft/Engine
Has Been Inspected IAW
An Annual Inspection And Was
Determined To Be In An
Airworthy Condition
Mike Passwater AP1758050AI

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1-3													
Hobbs.	882.7												
SFRem.	349.7												
CHANGED OIL & OIL FILTER. SERVICED WITH SHELL 100W. Compression TEST # 1 77/80 # 2 75/80 # 3 70/80 # 4 72/80 # 5 76/80 # 6 74/80. checked MAG Timing. cleaned SPARKPLUGS. FUEL FILTER + AIR FILTER. Annual Inspection Completed This Date <u>1-3-2006</u> At <u>882.7</u> Hours I Certify That This Aircraft/Engine Has Been inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI <i>Mike Passwater</i>													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2009													
2-5													
Hobbs.	948	4											
SFrem.	415	2											
COMPRESSION TEST. #1 66/80 #2 74/80 #3 70/80 #4 74/80 #5 74/80. #6 76/80. checked MAG Timing. CLEANED SPARKPLUGS, AIR FILTER. Fuel filter checked. Annual Inspection Completed This Date 2-5-09 At 948.4 Hours I Certify That This Aircraft/Engine Has Been Inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI <i>[Signature]</i>													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2010 3-15			CHANGED OIL & OIL FILTER								SERVICED WITH SHELL 100W.		
hobbs.	958	7	COMPRESSION TEST #1			66/80 #2			73/80 #3 64/80 #4 72/80		#5 74/80 #6 70/80		
SF Rem	425	5	CHECKED MAG TIMING			CLEANED SPARKPLUGS			FUEL FILTER &				
			AIR FILTER			Annual Inspection Completed			This Date 3-15-10 At 958.7 Hours				
						I Certify That This Aircraft/Engine			Has Been Inspected IAW				
						An Annual Inspection And Was			Determined To Be In An				
						Airworthy Condition			Mike Passwater AP1758050AI				
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER			
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.						
2011																
4-5			COMPRESSION TEST.						#1	68/80	#2	70/80	#3	67/80	#4	70/80
Hobbs	964	0	#5 75/80.			#6 70/80.			checked mag timing..			CLEANED				
STREM.	430	8	SPARK PLUGS,			FUEL FILTER & AIR FILTER			Replaced							
			ALTERNATOR			AIR BOX.			HINGE.							
			Annual Inspection Completed													
			This Date 4-5-11 At 964.0 Hours													
			I Certify That This Aircraft/Engine													
			Has Been Inspected IAW													
			An Annual Inspection And Was													
			Determined To Be In An													
			Airworthy Condition													
			Mike Passwater AP1758050AI													
			Mike Passwater													

ENGINE LOG

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ENGINE LOG

[illegible]

ENGINE LOG

[illegible]

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND	TIME IN AIR	TOTAL TIME	NATURE	LICENSE NUMBER
	Ground	Air	Hrs.				
BROUGHT FORWARD							
TOTALS							

T & M Aviation
 1401 S. State Street
 Ukiah CA 95482
 (707) 462-1417

Right Engine: S/N 171175-R

6/15/18 N3812X Tach: 1146.5 SFREM: 612.3

Annual inspection completed. Compressions as follows:
 #1 70/80, #2 68/80, #3 68/80, #4 73/80, #5 70/80, #6 70/80.
 Changed oil and filter. Serviced engine with 12 quarts Aeroshell 100W Plus oil and a CH48110-1 filter. Performed oil analysis using Aviation Laboratories Inc. GA-001 kit. Magnetos check for timing to engine @ 20 degs. BTC. Cleaned, tested and gapped spark plugs. Installed new alternator belt Continental P/N 539547-33.50. Installed new intake air filter P/N BA-2305. All engine controls lubed, checked for function and travel. Engine run-up performed, no leaks noted. All AD's checked through 2018-12.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

(Signature), Michael Whetzel, A&P2692702I/A

ENGINE LOG

[illegible]

ENGINE LOG

[illegible]

ENGINE LOG

DATE		R.P.M	Ground		 ABSOLUTE AERO MAINTENANCE 21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591		ENGINE ENTRY		LICENSE NUMBER
WORK ORDER: 3433 AIRCRAFT: N3812X HOBBS: 1286.0 TSOH: N/A TTE: 753.0					DATE: 08/01/2022				
R/H ENGINE MODEL: Continental IO-470-V9B S/N: 171175-R									
Replaced spark plugs (12EA P/N: URHB32E), and throttle body shock mounts (2EA P/N: 538468) with new. Removed, cleaned, and reinstalled fuel injector nozzles. Compression results: #1: 64/80, #2: 58/80, #3: 62/80, #4: 66/80, #5: 70/80, #6: 70/80, MO: 41/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48110-2). Examined old oil filter element, no contaminants found. Serviced engine with 11 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. No defects noted at this time. C/W AD 96-12-22 "oil filter adapters" by torque check and visual inspection, no defects noted. Next due Hobbs: 1386.0 or oil filter removal. Verified AD's current through FAA AD biweekly 2022-16. All work completed in accordance with the Cessna 310 Service Manual and the Continental Maintenance Manual M-0. -END									
I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.									
Brandon Thompson A&P / IA 3212565									
BROUGHT FORWARD									
TOTALS									

 TELEDYNE CONTINENTAL MOTORS

P. O. BOX 90, MOBILE, ALABAMA 36601

Form No. X30511

 Member of GAMA
General Aviation
Manufacturers Association