

TELEDYNE CONTINENTAL

**Gold
Medallion
Aircraft
Engine**



USE ONLY
FUEL
CONFORMING
TO ASTM D910.

USE OF AUTOMOTIVE
GAS IS NOT
APPROVED.

REBUILT ENGINE LOG

N4321X
AIRCRAFT N NUMBER

I0-520-A (23)
ENGINE MODEL NUMBER

112839-R
ENGINE SERIAL NUMBER

This engine model I0520A23B, 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	AD	REMARKS	SB	AD	REMARKS
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	95-21-15	N/A SERIAL NUMBER
M91-7	N/A	ULTRASONIC INSPECTION OF BARREL	CSB96-8	N/A	REPLACEMENT OF AIRMELT (NON-VAR) CSHAFTS

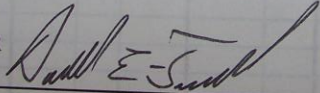
Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

Sheet 1 of 2
Continued on back cover

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508



[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.															
<div style="text-align: center;"> <h2>ENGINE LOG ENTRY</h2> <p> DATE: 10/15/98 TACH: 4836.17 SMOH: 0 N 4321X </p> <p> INSTALL FACTORY REMANUFACTURED ENGINE S/N 112839R ASSEMBLY COMPLETE WITH NEW MOUNTS AND HOSES. SERVICE ENGINE WITH 12 QTS PHILLIPS MINERAL OIL. TEST RUN FOR LEAKS AND OPERATION. </p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <p>TCM LINK FBO TCM SERVICE CENTER NO. F0124</p> </div> <div style="text-align: center;">  <hr/> <p>A&P561137979</p> </div> <div> <p>DARRELL TUNNELL CO. VISALIA, CA 209-651-0190</p> </div> </div> </div>																									
<div style="display: flex; justify-content: space-between;"> <div> <p>BROUGHT FORWARD</p> <p>TOTALS</p> </div> <table border="1" style="width: 100%;"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> </div>																									

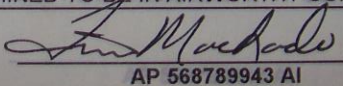
DATE: 10/15/98 TACH: 4836.17 SMOH: 0 N 4321X

TCM LINK FBO
TCM SERVICE CENTER
NO. F0124

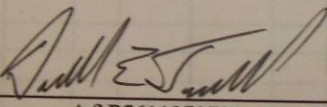
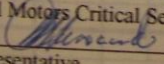
DARRELL TUNNELL CO.
VISALIA, CA
209-651-0190

A&P561137979

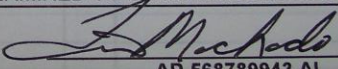
ENGINE LOG

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.			
<p align="center">ENGINE LOG ENTRY</p> <p>DATE: <u>10/15/98</u> TACH/HOBBS: <u>4836.17</u> SMOH: <u>0.00</u> N <u>4321X</u></p> <p>ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG.</p> <p>I CERTIFY THAT THIS AIRFRAME / POWERPLANT WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p align="right">  AP 568789943 AI </p>													
BROUGHT FORWARD													
TOTALS													

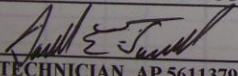
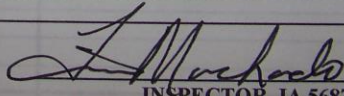
ENGINE LOG ENTRY


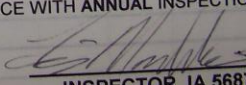
DATE	5/25/99	TACH: 4858.0	SMOH: 24.5	N 4321X
<p>COMPLY WITH CSB99-3A BY REMOVAL AND INSTALLATION OF CYLINDER ASSEMBLY'S #1 AND #3. CONNECTING ROD'S #1 AND #3 AND COUNTER WEIGHTS. TEST RUN FOR LEAKS AND OPERATION. <i>Remove Cyl. #24.5-6 + install new rod Bear: rgs.</i></p>				
TCM LINK FBO	TCM SERVICE CENTER		 A&P561137979	
NO. F0124			DARRELL TUNNELL CO. VISALIA, CA 559-651-0190	
<p>Complied with Visual and Ultrasonic Inspections of crankshaft per paragraphs A and B, "Detailed Inspection Section", of Teledyne Continental Motors Critical Service Bulletin (CSB) 99-3A.</p>				
Signed 			Date <u>15 May 99</u>	
TCM Representative				
BROUGHT FORWARD				
TOTALS				


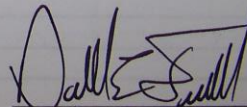
ENGINE LOG

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.			
ENGINE LOG ENTRY DATE: <u>7-21-99</u> TACH/HOBBS: <u>4858.05</u> SMOH: <u>21.88</u> N <u>4321X</u> 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 AIRFRAME / POWERPLANT WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <div style="text-align: right;">  AP 568789943 AI </div>													
BROUGHT FORWARD													
TOTALS													


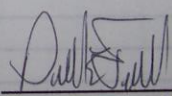
ENGINE LOG

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.			
<div style="display: flex; justify-content: space-between;"> <div> TCM LINK FBO TCM NO. FO124 DATE: 9/1/00 TACH: 4922 SMOH: N 4321X </div> <div> DARRELL TUNNELL CO. VISALIA, CA </div> </div> <div style="text-align: center; margin: 10px 0;"> ENGINE ENTRY </div> <p>PERFORM 100 HR/ANNUAL INSPECTION. COMPRESSION TEST 76-74-72-76-76-72. SERVICE ENGINE WITH 10 QUARTS AEROSHELL 100 W PLUS AND NEW FILTER. INSTALL NEW AIR FILTERS. OIL SAMPLE TAKEN. TEST RUN FOR LEAKS AND OPERATION. 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 POWERPLANT WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>  TECHNICIAN AP 561137979 </div> <div>  INSPECTOR IA 568789943 </div> </div>													
BROUGHT FORW													
TOTAL													


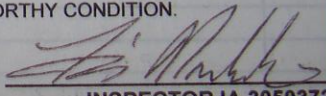
ENGINE LOG									
DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER		
<div style="text-align: center;">  <h3>ENGINE ENTRY</h3> <p>DARRELL TUNNELL CO. HANGER # 19 VISALIA, CA.</p> <p>DATE: 5/19/2004 MODEL: 10520A23B SMOH: 212.11 TACH: 5048.28</p> <p>REG: N4321X S/N: 112839-R</p> <ol style="list-style-type: none"> 1 PERFORM 100 HOUR / ANNUAL INSPECTION. 2 COMPRESSION TEST 61-60-60-64-63-68. 3 SERVICE ENGINE WITH 10 QTS AEROSHELL 100W PLUS AND NEW FILTER P/N CH48110. 4 OIL SAMPLE TAKEN 5 REPLACE EXHAUST PIPE RETAINING CLIP P/N 1250258. 6 TEST RUN FOR LEAKS AND OPERATION. <p>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.</p> <p>T.C.M LINK FBO NO. 124</p> <p>PERTINENT DETAILS ON FILE: W.O. 43205194</p> <p style="text-align: right;">  INSPECTOR IA 568789943 </p> </div>									
BROUGHT FOR		TOTALS							

ENGINE LOG									
DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER		
<div style="text-align: center;">  <p>AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hangar 19 Visalia, CA 93277</p> <p><u>Engine</u></p> <p>DATE: 07/01/2005 MODEL: IO-520-A23B SMOH: TACH: 5101.0</p> <p>REG: N4321X S/N: 112839-R</p> <ol style="list-style-type: none"> 1 C/W 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. <p>APPROVED FOR RETURN TO SERVICE.</p> <p>T.C.M LINK FBO NO. 124</p> <p>PERTINENT DETAILS ON FILE: W.O. 432070105</p> <p style="text-align: right;">  TECHNICIAN 561137979 </p> </div>									
BROUGHT FOR		TOTALS							

ENGINE LOG

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.			
 AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <u>Engine</u>												
DATE: 9/15/06		MODEL: IO-520-A23B				TACH: 5146.52						
REG: N4321X		S/N: 112839-R										
1 C/W 100 HOUR INSPECTION IAW CONTINENTAL MAINTENANCE MANUAL. 2 COMPRESSION TEST: 1/68, 2/67, 3/68, 4/66, 5/68, 6/68. 3 TEST RUN FOR LEAKS AND OPERATION. APPROVED FOR RETURN TO SERVICE.												
											 A&P 561137979	
PERTINENT DETAILS ON FILE: W.O. 432091506												
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.			
 AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <u>Engine</u>													
DATE: 9/15/06		MODEL: IO-520-A23B				TACH: 5146.52							
REG: N4321X		S/N: 112839-R											
1 C/W 100 HOUR INSPECTION IAW 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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.													
												 INSPECTOR IA 3050372	
PERTINENT DETAILS ON FILE: W.O. 432091506													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

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.			
379.9										CHANGED OIL + FILTER, SERVICED WITH AEROSHELL W/ 100 PLUS OIL	Chris Wilson #205441131	



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Engine

DATE: 11/11/07 MODEL: IO-520-A23B SMOH: 371.83 TACH: 5208.0
REG: N4321X S/N: 112839-R HOBBS: 383.9

- 1 C/W 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL.
- 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 Machado
TIM MACHADO - A&P 3050372

PERTINENT DETAILS ON FILE: W.O. 432111107

GHT FO
TO

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.			



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Engine

DATE: 11/11/07 MODEL: IO-520-A23B SMOH: 371.83 TACH: 5208.0
REG: N4321X S/N: 112839-R HOBBS: 383.9

- 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.


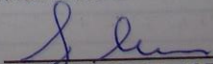
APPROVED FOR RETURN TO SERVICE.

Tim Machado
TIM MACHADO - IA 3050372


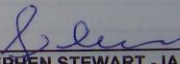
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BROUGHT FORWARD
TOTALS


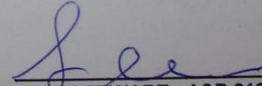
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DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
10/27/08	Hobbs		CHANGED OIL + FILTER. SERVICED WITH AEROSHELL										
	430.3		W 100 PLUS OIL. CLEANED + GAPPED SPARK PLUGS (Chin. 9/11/08)										
 <p>AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i></p>													
DATE: 12/16/08		MODEL: IO-520-A23B		SMOH: 418.63		HOBBS: 430.7							
REG: N4321X		S/N: 112839-R											
1 C/W 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL.													
2 COMPRESSION TEST: 1/60, 2/65, 3/62, 4/65, 5/78, 6/65.													
												 STEPHEN STEWART - A&P 2129169	
PERTINENT DETAILS ON FILE: W.O. 432121608													
BROUGHT FORWARD													
TOTALS													


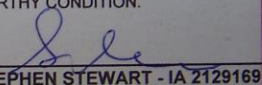
ENGINE LOG

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.			
 <p>AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i></p>													
DATE: 12/16/08		MODEL: IO-520-A23B		SMOH: 418.63		HOBBS: 430.7							
REG: N4321X		S/N: 112839-R											
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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.													
APPROVED FOR RETURN TO SERVICE.													
												 STEPHEN STEWART - IA 2129169	
PERTINENT DETAILS ON FILE: W.O. 432121608													
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.			
 <p>9519 Airport Drive, Hanger 19 Visalia, CA 93277</p> <p>Engine</p> <p>DATE: 02/10/10 MODEL: IO-520-A23B SMOH: 462.63 HOBBS: 474.7</p> <p>REG: N4321X S/N: 112839-R</p> <p>1 C/W 100 HOUR INSPECTION IAW TELEDYNE CONTINENTAL MAINTENANCE MANUAL.</p> <p>2 SERVICE ENGINE WITH 11 QUARTS OF 100 W PLUS AEROSHELL OIL</p> <p>3 INSTALL NEW ENGINE OIL FILTER ELEMENT P/N: CH48110-1</p> <p>4 ENGINE OIL SAMPLE TAKEN.</p> <p>5 COMPRESSION TEST: 1/60, 2/68, 3/68, 4/62, 5/68, 6/68</p> <p style="text-align: right;">  STEPHEN STEWART - A&P 2129169 </p> <p>PERTINENT DETAILS ON FILE: W.O. 432021010</p>													
BROUGHT FORWARD													
TOTALS													


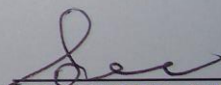
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DATE	R. P. M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
 <p>9519 Airport Drive, Hanger 19 Visalia, CA 93277</p> <p>Engine</p> <p>DATE: 02/10/10 MODEL: IO-520-A23B SMOH: 462.63 HOBBS: 474.7</p> <p>REG: N4321X S/N: 112839-R</p> <p>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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>APPROVED FOR RETURN TO SERVICE.</p> <p style="text-align: right;">  STEPHEN STEWART - IA 2129169 </p> <p>PERTINENT DETAILS ON FILE: W.O. 432021010</p>													
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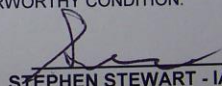
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	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
 <p>AMS AIRCRAFT MECHANICAL SERVICES, INC. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i></p>													
DATE: 05/15/12		MODEL: IO-520-A23B				SMOH: 503.85				TACH: 5338.0			
REG: N4321X		S/N: 112839-R											
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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.													
												 STEPHEN STEWART - IA 2129169	
PERTINENT DETAILS ON FILE: W.O. 432051412													
BROUGHT FORWARD													
TOTALS													


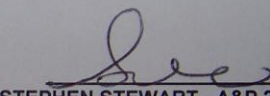
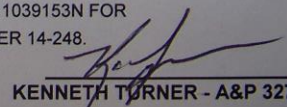
ENGINE LOG

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.			
 <p>AMS AIRCRAFT MECHANICAL SERVICES, INC. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i></p>													
DATE: 06/03/13		MODEL: IO-520-A23B				SMOH: 532.8				TACH: 5367.0			
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													
TOTALS													


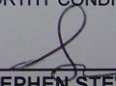
ENGINE LOG

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.			
 9519 Airport Drive, Hanger 19 Visalia, CA 93277 Engine													
DATE: 06/03/13		MODEL: IO-520-A23B		SMOH: 532.8		TACH: 5367.0							
REG: N4321X		S/N: 112839-R											
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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.													
												 STEPHEN STEWART - IA 2129169	
PERTINENT DETAILS ON FILE: W.O. 432053113													
BROUGHT FORWARD													
TOTALS													


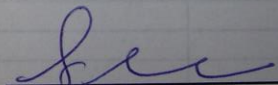
ENGINE LOG

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.			
 9519 Airport Drive, Hanger 19 Visalia, CA 93277 Engine													
DATE: 06/20/14		MODEL: IO-520-A23B		SMOH: 552.8		TACH: 5387.0							
REG: N4321X		S/N: 112839-R											
1 CLEAN INJECTOR NOZZLES. 2 SERVICE ENGINE WITH 12 QUARTS OF 100 W PLUS AEROSHELL OIL 3 INSTALL NEW ENGINE OIL FILTER ELEMENT P/N: CH48110-1 4 ENGINE OIL SAMPLE TAKEN. 5 COMPRESSION TEST: 1/62, 2/60, 3/60, 4/60, 5/60, 6/66.													
												 STEPHEN STEWART - A&P 2129169	
6 REMOVE AND RE-INSTALL PROP GOVERNOR P/N: G210452 S/N: 1039153N FOR OVERHAUL BY JOHNSON PROPELLER, INC. UNDER WORK ORDER 14-248.													
												 KENNETH TURNER - A&P 3274206	
PERTINENT DETAILS ON FILE: W.O. 432062014													
BROUGHT FORWARD													
TOTALS													


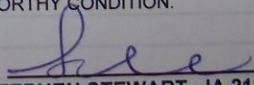
ENGINE LOG

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.			
 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i>													
DATE: 06/20/14 MODEL: IO-520-A23B SMOH: 552.8 TACH: 5387.0 REG: N4321X S/N: 112839-R 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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE. <div style="text-align: right;">  STEPHEN STEWART - IA 2129169 </div>													
PERTINENT DETAILS ON FILE: W.O. 432062014													
BROUGHT FORWARD													
TOTALS													


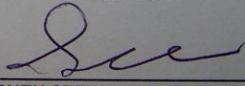
ENGINE LOG

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.			
 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i>													
DATE: 07/10/15 MODEL: IO-520-A23B SMOH: 560.8 TACH: 5395.0 REG: N4321X S/N: 112839-R 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: 1/66, 2/62, 3/66, 4/62, 5/66, 6/70. <div style="text-align: right;">  STEPHEN STEWART - A&P 2129169 </div>													
PERTINENT DETAILS ON FILE: W.O. 432071015													
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.			
 <p>AMS AIRCRAFT MECHANICAL SERVICES, INC. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i></p>													
DATE: 07/10/15		MODEL: IO-520-A23B				SMOH: 560.8				TACH: 5395.0			
REG: N4321X		S/N: 112839-R											
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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.													
												 STEPHEN STEWART - IA 2129169	
PERTINENT DETAILS ON FILE: W.O. 432071015													
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.			
2/25/16	TACH								5443.5		Change oil And		
	SMOH								614.7		Service with 11QTG		
											OF W100 Plus Amshell		
											Install New oil Filter		
											P/N CH4B110-1		
 <p>AMS AIRCRAFT MECHANICAL SERVICES, INC. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <i>Engine</i></p>													
DATE: 10/12/16		MODEL: IO-520-A23B				SMOH: 608.8				TACH: 5443.0			
REG: N4321X		S/N: 112839-R											
4 COMPRESSION TEST: 1/60, 2/60, 3/60, 4/50, 5/55, 6/60.													
												 STEPHEN STEWART - A&P 2129169	
PERTINENT DETAILS ON FILE: W.O. 432101216													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

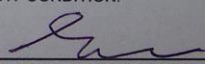
DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			



Engine

DATE: 10/12/16 MODEL: IO-520-A23B SMOH: 608.8 TACH: 5443.0
REG: N4321X S/N: 112839-R

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.


STEPHEN STEWART - IA 2129169

PERTINENT DETAILS ON FILE: W.O. 432101216

BROUGHT FORWARD

TOTALS

ENGINE LOG

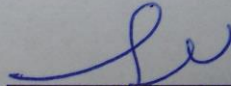
DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.		



Engine

DATE: 12/05/17 MODEL: IO-520-A23B SMOH: 615.8 TACH: 5450.0
REG: N4321X S/N: 112839-R

- 1 OIL SAMPLE TAKEN
- 2 REPLACE OIL FILTER PN: CH48110-1.
- 3 SERVICED ENGINE WITH 11 QUARTS OF AEROSHELL 100W PLUS.
- 4 REPLACE SPARK PLUG'S PN: RHB-32E.
- 5 COMPRESSION TEST: 1/62, 2/56, 3/64, 4/54, 5/64, 6/60.




STEPHEN STEWART - A&P 2129169

PERTINENT DETAILS ON FILE: W.O. 432120517


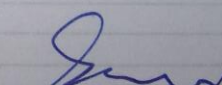
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TOTALS


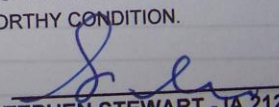
ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN NUMB
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
 AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <u>Engine</u>													
DATE: 12/05/17		MODEL: IO-520-A23B				SMOH: 615.8				TACH: 5450.0			
REG: N4321X		S/N: 112839-R											
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 <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.													
												 STEPHEN STEWART - IA 2129169	
PERTINENT DETAILS ON FILE: W.O. 432120517													
BOUGHT FORWARD													
TOTALS													


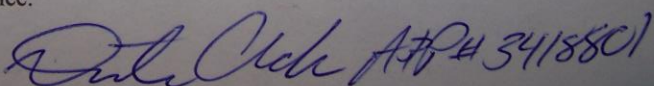
ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN NUMB
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
 AMS AIRCRAFT MECHANICAL SERVICES, Inc. 9519 Airport Drive, Hanger 19 Visalia, CA 93277 <u>Engine</u>													
DATE: 02/06/2020		MODEL: IO-520-A23B				SMOH: 635.8				TACH: 5450.0			
REG: N4321X		S/N: 112839-R											
1 OIL SAMPLE TAKEN 2 REPLACE OIL FILTER PN: CH48110-1. 3 SERVICED ENGINE WITH 11 QUARTS OF AEROSHELL 100W PLUS. 4 COMPRESSION TEST: 1/68, 2/64, 3/63, 4/60, 5/65 & 6/65.													
												 STEPHEN STEWART - A&P 2129169	
PERTINENT DETAILS ON FILE: W.O. 432020620													
BOUGHT FORWARD													
TOTALS													

ENGINE LOG

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.			
 9519 Airport Drive, Hanger 19 Visalia, CA 93277 Engine												
DATE: 02/06/2020		MODEL: IO-520-A23B			SMOH: 635.8			TACH: 5450.0				
REG: N4321X		S/N: 112839-R			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 <u>ANNUAL</u> 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 TOTALS												

ENGINE LOG

MAKE: TCM	 WILCO AVIATION	W/O: #1462	LICENSE NUMBER
MODEL: IO-520-A		TACH: 5509.7	
S/N: 112839		TSMOH: 673.5	
DATE: 03/18/2021		TT: N/A	
<ul style="list-style-type: none"> 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.			
 Duke Clark AFD #3418801			

ENGINE LOG

wo: 22-1786

Engine - page 1 of 2



Edmonds Aviation LLC · 1 SE Searcy Municipal Airport · Searcy, Arkansas 72143 · (870) 217-9588

N4321X
TACH: 5540.25

CONT MOTOR, IO-520-A, S/N: 112839-R
SMOH: 704.05

May 06, 2022

IO-520-A, ENGINE PN: IO-520-A, SN: 112839-R,

1. C/W Annual Inspection & Service on Engine with reference to 14 CFR 43 Appendix D.
2. Drained oil and collected oil sample for review. Change oil filter with new AA48110-2. Serviced engine with 10qts AeroShell W100 Installed P/N AA48110-2 - Oil Filter, Tempest Rev/Lot: PO1716, Installed (10 quart) P/N W100 - AeroShell 100 W SAE 50 Oil Rev/Lot: PO1473, Installed P/N CAMGUARD-AVIA-1 - ASL Oil Additive Rev/Lot: PO1728.
3. Removed valve covers on cylinders 1, 2, and 3, removed and replaced exhaust valve rotocoils with new in reference to Continental M-0 manual. Installed (3) P/N 652112 - TCM Rotocoil Assy.

Technicians who worked on items listed above: William Abbott, Thomas Saylor, Josh Taylor

SIGNATURE

LICENS
NUMBER

wo: 22-1786

Engine - page 2 of 2




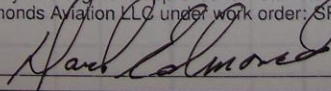
Edmonds Aviation LLC · 1 SE Searcy Municipal Airport · Searcy, Arkansas 72143 · (870) 217-9588

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 Aviation LLC under work order: 22-1786.

David Edmonds A&P 3793747

David Edmonds

ENGINE LOG

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	wo: SRC_23-1095				Engine - page 1 of 1		
	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.						
	Technicians who worked on items listed above: Thomas Saylor, Ronald Bowden						
	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 Aviation LLC under work order: SRC_23-1095.						
	David Edmonds A&P/IA 3793747 						
BROUGHT FORWARD							
TOTALS							

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	AD	REMARKS	SB	AD	REMARKS
MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION			
MSB94-8A	N/A	MAGNETO TO ENGINE TIMING			
CSB9710A	97-21-02	PISTON PIN PLUG WEAR			
CSB94-4	N/A	*INSTALLED NEW GEARS			
CSB96-2	N/A	*CRANKCASE OIL PASSAGE INSPECTION			
CSB97-9	N/A	GTS10520 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

