

Gold Medallion® Warranty Protection

All Teledyne Continental Motors engines delivered as original equipment after January 1, 1980 are protected by TCM's exclusive Gold Medallion Warranty. The Warranty covers parts, shipping allowance and labor during the first six months or 240 hours of operation. After six months or 240 hours of operation, these costs are prorated. Contact your TCM Distributor for all the facts or write Teledyne Continental Motors for a free brochure.

 **TELEDYNE CONTINENTAL MOTORS**
Aircraft Products
P. O. Box 90 • Mobile, Alabama 36601

Service Information

Service Bulletins and Technical Information are available on a direct mail basis from the factory. Orders must be prepaid. For an order form or call (205) 438-4444, extensions department, for information.

This engine model IO550B1F, Serial No. 296528-R, was rebuilt/zero timed on 09/30/94 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
M86-7	86-13-04	REPLACED WITH NEW PART	M93-9	93-16-15	PROPER SHAFT & COUPLING INSTALLED
M87-13	87-14-02	REPLACED WITH NEW PART	MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE
M87-24	88-17-03	REPLACED WITH NEW PART	CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE
M88-4	88-03-06	REPLACED WITH NEW PART			
M90-21	N/A	ULTRASONIC INSPECTION OF BARRELS			
M91-6	N/A	ULTRASONIC INSPECTION OF BARRELS			
M91-7	N/A	ULTRASONIC INSPECTION OF BARRELS			
N/A	91-19-03	REPLACED OIL FILTER			
M92-6	N/A	ROCKER SHAFT RETENTION IMPROVED			
M92-14	N/A	VISUAL INSPECTION			

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 Fozzard

[illegible]

DATE	G	MAKE <u>TCM</u>	MODEL <u>TD-550-B</u>	SERIAL NO./N. NO. <u>296528-R</u>
TIME		700H READING <u>1810.23</u>	DATE <u>11-29-94</u>	INST#11 <u>REBUILT A1+</u>
P/N 646843R S/N H1094040R SUPPLIED BY TCM. Perform 25HR INSPECTION DRAIN ENGINE OIL & CHECK FILTER FOR CONTAMINATION NONE NOTED. SERVICED ENGINE WITH 12 QTS 90-50 PHILLIPS TYPE M OIL WITH NEW CH4P109 OIL FILTER. LEAK DOWN MEASURES 1 ⁷⁰/₁₀₀ TO 2 ⁷⁰/₁₀₀ TO 3 ⁷⁰/₁₀₀ TO 4 ⁷⁰/₁₀₀ TO 5 ⁷⁰/₁₀₀ TO 6 ⁷⁰/₁₀₀ THIS ENGINE IS Airtight/ with respect to normal performance.				
BROUGHT FC		MATTITUCK AIRBASE INC. F.A.A. Repair Station QX2R125L W.O. No. <u>17693</u>		 Authorized Signature
TOTALS				

[illegible]

4-20-95

Pg

Tach/H.M. 1893.1

Time in Service 116.0

W/O # 17831

DATE _____

N 84BE

S/N E-2114

Md A36

I certify that this Engine has been inspected in accordance with a 100 Hr. Annual inspection and was determined to be in an airworthy condition. All work accomplished is on file under serviceorder no. 17844 at United Beechcraft, Inc. Repair Station FV1R154K. This inspection was accomplished I.A.W. a Beechcraft Inspection guide P/N 98-32227H as an aid. AD's were checked thru 95-7.

Authorized Signature

date 4-20-55

#1 76 2 76 3 75

#4 ⁷⁶ 5 ⁷⁷ 6 ⁷⁴

1/A/W CONTINENTAL S.B. M84-15
OFFICE READING _____

41

BROUC

-10153

**LICENSE
NUMBER**

DATE _____

N_____

S/N_

Md.

Draft

new

plac

sent

leaf

an a

BROUGHT

WORK ORDER

Work Order No. 49626 Customer United Bearings

Part No. class 71 Serial No. 44076 1

Nomenclature Cont 10-550-6, F enl

Description of work performed _____

checked, quader, resented, robes, light home

supply new run for old deck

All work performed in accordance with applicable manufacturer's maintenance and parts manuals.

Date 4-18-95 Signed J. M. Hou

Mattituck Airbase, Inc. **RS QX2R125L**

Pertinent Details of this repair on file

under Service Order 17831

United Beechcraft, Inc. approved Repair station-EVIR154K

Authorized Signature B. Gilbert Murre

L-10153

DATE

N 84BE

S/N E-2114

Md A36

United Beechcraft, Inc.

Hangar B Republic Airport

East Farmingdale, NY 11735

FAA Approved Repair Station FVIR154K

LOG BOOK INSERT

4-20-95

Tach/H.M.

1893.1

Time in Service

116.0

W/O #

17831

Pg

I certify that this Engine has been inspected in accordance with a 100 Hr. Annual inspection and was determined to be in an airworthy condition. All work accomplished is on file under serviceorder no. 17844 at United Beechcraft, Inc. Repair Station FVIR154K. This inspection was accomplished I.A.W. a Beechcraft Inspection guide P/N 98-32227H as an aid. AD's were checked thru 95-7.

Authorized Signature

E. Julian Murray

date 4-20-95

CYLINDER COMPRESSION TEST

#1 76 2 76 3 75

#4 76 5 77 6 74

1/A/W CONTINENTAL S.B. M84-15

OFFICE READING 41

LICENSE NUMBER

DATE

BROUGHT

N 84BE

S/N E-2114

Md A36

United Beechcraft, Inc.

Hangar B Republic Airport

East Farmingdale, NY 11735

FAA Approved Repair Station FVIR154K

LOG BOOK INSERT

4-20-95

Tach/H.M.

1893.1

Time in Service

116.0

W/O #

17831

Drained oil from Engine. Removed oil filter and inspected. Installed new filter and serviced with 11 qts. of Phillips 20/50 oil. Replaced starter drive garlock seal with new. Removed #4 cylinder and sent out for repair, then reinstalled. Ran engine operational and leak check was satisfactory. This engine was determined to be in an airworthy condition and satisfactory for return to service.

Pertinent Details of this repair on file under Service Order 17831

United Beechcraft, Inc. approved repair station FVIR154K

Authorized Signature *E. Julian Murray*

L-10153

MAINTENANCE RELEASE

This Engine or Accessory or Component identified on this tag was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and with respect to the work performed it is airworthy and approved for return to service. Pertinent details of the repair are on the reverse side of this tag.

Work Order No. 49626

Date 4-18-95

Signed *B. J. McDown*

Mattituck Airbase, Inc.

Airway Drive

Mattituck, NY 11952

(516) 298-8330

RS QX2R125L Airframe 3; Powerplant 1;

Limited Accessory; Specialized Service

LICENSE NUMBER

TELEDYNE CONTINENTAL MOTORS
Aircraft Products Division
P.O. Box 90
Mobile, Ala 36601
ATLANTA DIVISION

MANUFACTURING RELEASE

NAME _____ ALTERNATOR _____

P/N _____ 646843R _____ S/N _____ H1094040R _____

The item identified hereon has been

☒ Rebuilt ☐

☐ Repaired as necessary

The Alternator or Starter identified above was manufactured in accordance with F.A.R. 21 and Teledyne Continental Motors specifications.

Details are on file at this Agency under order No. _____ 858209-1 _____

Date: _____ 08/10/94 _____

Signed: _____
Authorized Signature

Raytheon Aircraft Services

Hangar B Republic Airport
East Farmingdale, NY 11735
FAA Approved Repair Station FVIR154K

Pg _____
Tach/H.M. 2028.8
Time in Service 2028.8
W/O # 18879

LOG BOOK INSERT
5-13-96

N 84BE
S/N E-2114
Md A36

I certify that this Engine has been inspected in accordance with a 100 Hr. Annual inspection and was determined to be in an airworthy condition. All work accomplished is on file under service order no. 18879 at Raytheon Aircraft Services Repair Station FVIR154K. This inspection was accomplished I.A.W. a Beechcraft Inspection guide P/N 98-32227H as an aid. AD's were checked thru 96-09.

Signature E. Julian Murnay Date 5-13-96
CYLINDER COMPRESSION TEST

#1 71 2 70 3 69

#4 69 5 71 6 70

I/A/W CONTINENTAL S.B. M84-15
OFFICE READING 41

L-10153

Raytheon Aircraft Services

Hangar B Republic Airport
East Farmingdale, NY 11735
FAA Approved Repair Station FVIR154K

Pg _____
Tach/H.M. 2028.8
Time in Service 2028.8
W/O # 18879

LOG BOOK INSERT
5-13-96

N 84BE
S/N E-2114
Md A36

Drained oil from Engine. Removed oil filter and inspected. Installed new oil filter and serviced with 11 quarts Phillips 20W/50 oil. Replaced Brackett induction air filter. Replaced left muffler with new. Ran engine operational check and leak check was satisfactory. This engine was determined to be in an airworthy condition and satisfactory for return to service.

Pertinent Details of this repair on file

under Service Order 18879
Raytheon Aircraft Services approved repair station FVIR154K

Authorized Signature E. Julian Murnay

BROUC

L-10153

ENGINE LOG

[illegible]

ENGINE LOG

MAKE <u>T.C.M.</u>		MODEL <u>IO-520-B</u>		SERIAL No./N No. <u>29652P-R</u>	
TOTAL TIME		TACH READING	<u>Hobbs 2126.5</u>	DATE	<u>8-14-97</u>
<u>REPLACED STARTER CLUTCH CARBON SEAL PN 653171</u> <u>WITH NEW TCM UNIT. THIS ENGINE IS AIRWORTHY WITH</u> <u>RESPECT TO WORK PERFORMED ——— END ———</u>					
MATTITUCK AIRBASE, INC. FAA Repair Station QX2R125L W.O. No. <u>18233</u>  <i>Matthew P. Russell</i> Authorized Signature					

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.			
10/10/87			2	145.4	Hobbs time						DRAINED OIL, CHECKED OIL FILTER NO DEFECTS. NOTED, INSTALLED NEW FILTER CH48109, SERVICED ENGINE WITH 11 QTS AEROSHELL 15W50 OPERATIONAL CHECK OK NO DISCREPANCIES & LEAKS NOTED. A/C RELEASED FOR SERVICE. J. E. Miller		
7/8/98					Hobbs 2183.2						At this date and time the following work was performed: Complied with AN ANNUAL inspection I/A/W mfg. maintenance manuals' checklist. Drained oil, SOAP sample taken, removed filter, inspected, no defects noted, installed CH48109 filter, serviced engine with 11 qts 15W50 Aeroshell oil. Cleaned and gapped plugs, compression check good. Replaced RH exhaust assy. P/N 781-5, lubed controls, ops and leak checks good. I certify this engine has been inspected and found to be in airworthy condition. Aircraft OK for return to service. All AD's complied with to date. J. E. Miller James E Miller		
BROUGHT FORWARD													
TOTALS													

AIP050584681 IA

ENGINE LOG

MAKE <u>TCM</u>		MODEL <u>TO-550-B</u>		SERIAL No./N No. <u>296528</u>	
TOTAL TIME		TACH READING	<u>2248.0</u>	DATE	<u>1-20-98</u>
REPAIRED STARTER CLUTCH shaft seal clean seal Bushing with glass bead AS per T.C.M. recommendations. THIS ENGINE IS AIR WORTHY WITH RESPECT TO WORK PERFORMED - END -					
MATTITUCK AIRBASE, INC. FAA Repair Station QX2R125L W.O. No. <u>18446</u>					
				 Authorized Signature <u>Wahlan P. Russell</u>	

TOTALS

ENGINE LOG

DA

MAKE TCM MODEL IO-550-B SERIAL No./N No. 296529

TOTAL TIME

TACH READING

2251.8

DATE

4-21-99REPLACED OIL SEAL AND BUSHING AS PER TCM SB 9712RESEAL PLUG IN BOTTOM OF STARTER CLUTCH. THIS ENGINE
IS AIR WORTHY WITH RESPECT TO WORK PERFORMED.- END -MATTITUCK AIRBASE, INC.
FAA Repair Station QX2R125L
W.O. No. 18510L. Palmer Schade
Authorized SignatureLICENSE
NUMBER

ENGINE LOG

R.P.M.

TIME ON
GROUNDTIME IN
AIR

TOTAL TIME

REPAIRS - ADJUSTMENTS

SIGNATURE

LICENSE

BEECHCRAFT A 36 N 84 BE S/N E 2114 HOBSS: 2272.8 TTE: 495.7 July 26, 1999

- I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide and Teledyne Continental maintenance manual: Drained oil from the engine, removed oil filter and inspected, serviced engine with 11 qts of Aeroshell 15W50 and CH48109 filter.
- Compression check #1- 71/80 #2- 70/80 #3- 75/80 #4- 75/80 #5- 73/80 #6 - 72/80 , installed new spark plugs champion RHB32E, Lub all engine controls, drain fuel sump, checked both magnetos points and repaired #6 ignition lead.
- Torque all rocker cover gaskets, dress and paint propeller, all AD's were checked through 99-12.
- This engine was determined to be in satisfactory condition for return to service.

IA 2224148

ENGINE LOG

40665-2322

N. 84 BE

BEECH A36

ENGINE LOG

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REMARKS	LICENSE NUMBER
					BEECHCRAFT A 36 N 84 BE S/N E 2114 HOBSS: 2352.6 TTE: 575.5 September 02, 2000	
					I certify that this <u>engine</u> has been inspected in accordance with an <u>annual inspection</u> and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual	
					Compression check #1- 70/80 #2- 70/80 #3- 68/80 #4- 72/80 #5- 72/80 #6 - 70/80 , clean and gap spark plugs, Lub all engine controls, drain fuel sumps, checked both magnetos points, dress and paint propeller. Installed a new alternator drive coupling P/N TCM 646655A and replaced alternator with P/N 646843 S/N A-155299. Torque all rocker cover gaskets, all AD's were checked through 2000-15.	
					This engine was determined to be in satisfactory condition for return to service.	
					<i>[Signature]</i>	
					FA 2224148	

BRO

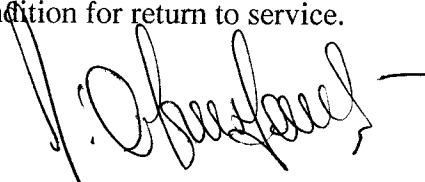
1. UNITED STATES		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG US Department of Transportation Federal Aviation Administration		3. System Tracking Ref. No.: SAME AS BLOCK 5	
4. Organization Teledyne Continental Motors P.O. Box 90 Mobile, Alabama 36601		5. Work Order, Contract, or Invoice # P27277		6. Item 1	
7. Description MAGNETO		8. Part No. BL-349350-5		9. Eligibility* TBV BY INSTALLER	
10. Qty 1		11. Serial/Batch No. F109917FR		12. Status/Work REBUILT	
13. Remarks AIRWORTHINESS APPROVAL-PARTS. THIS IS NOT AN EXPORT APPROVAL. THIS PART HAS BEEN RETURNED TO SERVICE IN ACCORDANCE WITH FAR PART 43.3 (J) (2) . MANUFACTURED UNDER FAA/PMA					
Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.					
14. New Newly Overhauled		19. Return to Service in Accordance with FAR 43.9 ☒ X Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.			
15. Signature:		16. FAA Authorization #:		20. Authorized Signature: <i>[Signature]</i>	
17. Name (typed or printed):		18. Date:		21. Certificate Number: PQ1269CE	
				22. Name (typed or printed): John R. Miller	
				23. Date: 09/09/1999	
Airworthiness Approval Tag User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.					
Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					
The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.					

*(Optional) Installer must cross check eligibility with applicable technical data.

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.			
10-13-99	Hobbs	2946									Installed Carburetors Kit # GAD138 1/2 6391 T4W STC SE092175C Engine run up, ok for return to service APP 133568733		
5/17/2000	Hobbs	2325									REMOVED RIGHT MAGNETO MODEL SGRN-1225 P/N 10 - 349350-5, S/N 1138406F. INSTALLED OH MAGNETO MODEL SGRN-12 P/N B1349350-5 S/N F 10831 TFR. O/S CHECK OK, A/C RELEASED FOR SERVICE. APP 2224148		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DA--	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REMARKS	APPROVED	LICENSE NUMBER
BEECHCRAFT A 36 N 84 BE S/N E 2114 HOBSS: 2352.6 TTE: 575.5 September 02, 2000							
I certify that this <u>engine</u> has been inspected in accordance with an <u>annual inspection</u> and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual							
Compression check #1- 70/80 #2- 70/80 #3- 68/80 #4- 72/80 #5- 72/80 #6 - 70/80 , clean and gap spark plugs, Lub all engine controls, drain fuel sumps, checked both magnetos points, dress and paint propeller. Installed a new alternator drive coupling P/N TCM 646655A and replaced alternator with P/N 646843 S/N A-155299. Torque all rocker cover gaskets, all AD's were checked through 2000-15.							
This engine was determined to be in satisfactory condition for return to service.							
							
FA 2224148							

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.			
9/2/00			Hobbs: 2354.7								CHANGED OIL & FILTER PER TELEDYNE CONTINENTAL MAINTENANCE MANUAL, SERVICED ENGINE WITH 11 QTS 15W50 AEROSHELL & CH48109 OIL FILTER, INSPECT FILTER NO DISCREPANCIES NOTED AIRCRAFT RELEASED FOR SERVICE IA 2224148		
02/08/01			Hobbs: 2392.5								CHANGED OIL & FILTER, SERVICED ENGINE WITH 11 QTS (P) AEROSHELL 15W50 & CH48109 OIL FILTER. DRAIN OF ENGINE NO LEAKS FOUND. (ORIGINAL ITP 222414)		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

BEECHCRAFT A 36 N 84 BE S/N E 2114 HOBSS: 2414.5 TTE: ~~664.4~~ 637.4 January 15, 2002

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual
Compression check #1- 75/80 #2- 70/80 #3- 73/80 #4- 74/80 #5- 72/80 #6 - 74/80 , clean and gap spark plugs. Change oil and filter, service engine with 11qt Aeroshell 15W-50 and CH48109 filter. Install overhauled propeller Mc McCauley model D3A32C409 s/n 831492 and Woodward governor model D210680 s/n 1194677T. Lube all engine controls, drain fuel sumps, checked both magnetos points, Torque all rocker cover gaskets, all AD's were checked through 2002-01

This engine was determined to be in satisfactory condition for return to service.


IA 2224148

[illegible]

I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual

Compression check #1- 72/80 #2- 70/80 #3- 74/80 #4- 74/80 #5- 72/80 #6 - 70/80 . Change oil and filter, service engine with 11qt Aeroshell 15W-50 and CH48109 filter. Clean and gap spark plugs. Lube all engine controls, drain fuel sump. C/W AD 96-12-07 impulse coupling inspection. Checked both magnetos points and timing. Re torque all EGT probe clamps. Torque all rocker cover gaskets. Checked both mufflers for leaks and cracks. All AD's were checked through 2002-22

This engine was determined to be in satisfactory condition for return to service.

RA 2224148

[illegible]

I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 76/80 #2- 70/80 #3- 74/80 #4- 70/80 #5- 77/80 #6 - 70/80. Change oil and filter, service engine with 11qt Aerqshell 15W-50 and CH48109-1 filter. Degreased engine. Clean and gap upper spark plugs. Lube all engine controls, drain fuel sump. Checked both magnetos points and timing. Check both magneto cases for cracks and repaint. Replaced right muffler cabin heat scat hose clamp WDG-48. Dress propeller blades. Replaced bottom spark plugs with RHB32E. Re torque all intake manifold clamps and EGT probe clamps. Torque all rocker cover gaskets. Re positioned breather tube bellows. Checked both mufflers for leaks and cracks. All AD's were checked through 2003-22. This engine was determined to be in satisfactory condition for return to service.

10-2194

IA 2224148

BROUGHT FORWARD
TOTAL.

[illegible]

JANUARY 24, 2005 BEECHCRAFT A36 N84 BE S/N E-2114 HOBSS: 2576.3
TTE: 799.2 hr
I certify that this Engine

I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 72/80 #2- 66/80 #3- 69/80 #4- 70/80 #5- 70/80 #6 - 69/80. Change oil and filter, service engine with 11qt Aeroshell 15W-50 and CH48109-1 filter. Install new air intake filter element P/N BA7112. Degreased engine. Remove and clean fuel injectors. Clean and gap spark plugs. Torque all rocker cover gaskets. Lube all engine controls and drain fuel sump. Checked both magnetos timing. Pressurize both exhaust mufflers and check for cracks. Dress propeller blades. Re torque all intake manifold clamps and EGT probe clamps. Clean electric contactors on firewall. Replaced spinner attach screws and install new fiber washers. Check AD's through 2005-01. This engine was determined to be in satisfactory condition for return to service.

A&P 2726736

IA 2224148

LA 2224148

[illegible]

DATE	R
	Ground
BROUGHT FORWARD	TOTAL

**FEBRUARY 03, 2006 BEECHCRAFT A36 N84 BE S/N E-2114 HOBSS: 2618.0 hr
TTE: 840.9 hr**

I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 72/80 #2- 69/80 #3- 70/80 #4- 71/80 #5- 73/80 #6 - 70/80. Change oil and filter, service engine with 11qt Aeroshell 15W-50 and CH48109-1 filter. Degreased engine. Remove and clean fuel injectors. Replaced ~~right~~ magneto with P/N 10-349350-4 S/N L140534FR. Inspect left magneto adjust points and paint case. Lube all engine controls. Pressurize both exhaust mufflers and replaced rusty hardware. Dress propeller blades. Re torque all intake manifold, EGT probe clamps and CHT probes. Check AD's through 2006-02. This engine was determined to be in satisfactory condition for return to service.

A&P 2726736

IA 2224148

[illegible]



~~X~~ CSB641 CONDENSOR
~~X~~ MSB644 COIL & ROTOR (AD 94-01-03R2)
~~X~~ MSB645 500 HR. IMPULSE INSPECTION (AD 2005-12-06)

[illegible][illegible]

		R.P		ATURE	LICENSE NUMBER
DATE		Ground	FEBRUARY 09, 2007 BEECHCRAFT A36 N84 BE S/N E-2114 HOBSS: 2672.8 hr TTE: 895.7 hr		
			I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 73/80 #2- 62/80 #3-75/80 #4- 72/80 #5- 74/80 #6 - 74/80. Change oil and filter, service engine with 11qt Aeroshell 15W-50 and CH48109-1 filter. Dress and paint propeller blades. Remove and clean fuel injectors. Lube all engine controls. Check oil temperature sensor and gage for accuracy. Adjust engine cowl flaps. Pressurized both exhaust mufflers. Re torque all intake manifold, EGT probe clamps and CHT probes. Torqued all induction coupling clamps. Removed and install new hoses P/Ns (1) 124F003-4CR0090, (1) 124F001-3CR0230, (1) 124F100-6CR0185, (1) 124F100-002-4CR0063, (1)124F100-4CR0180. Replaced all spark plugs RHM32E. Clean air intake filter. Check AD's through 2007-03 . This engine was determined to be in satisfactory condition for return to service.		
			 A&P 2726736		
			 IA 2224148		
BROUGHT FORW.		TOTAL			

[illegible]

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R. Ground	MARCH 10, 2010 BEECHCRAFT A36 N84 BE S/N E-2114 HOBSS: 2791.0 hr	SIGNATURE	LICENSE NUMBER
		TTE: 1013.9 hr		
		I certify that this <u>Engine and Propeller</u> has been inspected in accordance with an <u>Annual Inspection</u> and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 68/80 #2- 68/80 #3-70/80 #4- 70/80 #5- 74/80 #6 - 74/80. Repaired loose engine oil dipstick. Retorqued cylinder rocker covers. Retorqued intake manifold rubber coupling clamps. Degreased engine and lube controls. Change oil and filter, service engine with 11qt Aeroshell 15W-50 and CH48109-1 filter. Clean and gap spark plugs. Clean servo inlet fuel screen. Check both magnetos timing. Remove and clean fuel injectors. Dress and paint propeller blades. Pressurized both exhaust mufflers. Check air intake filter. Check AD's through 2010-05 . This engine was determined to be in satisfactory condition for return to service.-END-		
				
		Jeff Savko IA 2723736		
BROUGHT FORW	TOT/			

[illegible]

SERVICEABLE

MFGR. NAME TCM
COMPONENT START. ADAPT.
MODEL 10550B
SERIAL NO. PMA 1480
P.N. 642-087 A27
I CERTIFY THAT THE REPAIR
IDENTIFIED ON THE REVERSE SIDE
OF THIS TAG WAS PERFORMED AND
INSPECTED IN CONFORMANCE WITH
FEDERAL AVIATION REGULATIONS
AND IS APPROVED FOR RETURN TO
SERVICE.

PERTINENT DETAILS OF THE REPAIR
ARE ON FILE AT THIS FACILITY UNDER

WORK ORDER NO. 1A80
DATE 11/29/11
SIGNED [Signature] P4156888

**PINE MOUNTAIN
AVIATION LLC**

DANBURY, CT 06810

[illegible]

I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 70/80 #2- 66/80 #3-66/80 #4- 67/80 #5- 71/80 #6 - 69/80. Cleaned fuel injectors. Removed rust from crankshaft flange and treated with zinchromate. Degreased engine and lube controls. Install new oil filter CH48109-1 and service engine with 12 qts Aero shell 15W-50. Clean and gap spark plugs. Install starter adapter O/H by Pine Mountain Aviation. Clean servo inlet fuel screen. Check both magnetos timing. Removed and install propeller overhauled by Sensenich Propeller Service . Pressurized both exhaust mufflers. Replaced air intake filter. BA-7112. Check AD's through 2011-07. This engine was determined to be in satisfactory condition for return to service.

IA 2224148

[illegible]

I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual. Compression check #1- 70/80 #2- 68/80 #3-72/80 #4- 74/80 #5- 75/80 #6 - 67/80. Cleaned air intake filter. Removed Cylinder # 3 for exhaust suds replacement per Pine Mountain Aviation LLC work order # 1613 dated 2/15/12. Cleaned fuel injectors. Degreased engine and lube controls. Install new oil filter CH48109-1 and service engine with 10 qts Aero shell 15W-50. Replaced R/H muffler P/N 701-5 and rework all exhaust system per Dawley Aviation Systems Work Order # 105481 dated 2/21/12. Replaced all exhaust gaskets and hardware. Sealed right engine baffles with RTV silicone. Clean and gap spark plugs. Clean servo inlet fuel screen. Check AD's through 2012-04. This engine was determined to be in satisfactory condition for return to service.

IA 2224148

LICENSE
NUMBER

DATE _____

<u>Reg</u>	<u>Date</u>	<u>Engine Make/Model</u>	<u>S/N</u>	<u>Tach</u>	<u>SMOH</u>
N84BE	03/20/2013	Continental IO-550-B1F	296528-R	0.0	1097.2

I certify that this **Engine and Propeller** has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition. The following work was performed with the scope and detail of Appendix D, FAR Part 43 and per Beechcraft inspection guide chapter 5-20-00 and Teledyne Continental maintenance manual.

- Installed new induction air filter P/N BA7112.
 - Removed oil and filter. Cut open oil filter and inspected. Added 11 Quarts Aeroshell m15W-50and installed new Champion oil filter P/N CH481109-1.
 - Performed compression check: Master orface reading 46/80 for the day. #1 68/80, #2 60/80, #3 71/80, #4 70/80, #5 74/80, #6 66/80.
 - Removed cleaned, gapped and rotated sparkplugs.
 - Degreased engine.
 - Retorqued all induction couplings.
 - Checked magneto timing.
 - Lubricated controls and checked travels.
 - Dressed propeller.
 - Ground ran engine to check for leaks. No discrepancies noted.
 - All AD's were checked to date.
- Aircraft released for service. -END-

Jeff Savko IA 2726736

RECORD OF REPAIR

DISASSEMBLE & INSPECT, GRIND SHAFT
GEAR & TURN WORM WHEEL MINUS .015,
REASSEMBLE USING NEW M.O.I.S
SPRILL, BEARINGS, TAB-LOC, SEALS
& GASKETS, BENCH TESTED

PINE MOUNTAIN AVIATION LLC
DANBURY, CT 06810
(203) 730-0771

DATE

Gr

Reg: N84BE
Make/Model: IO-550-B1F
S/N: 296528-R

Date: 04/28/2014
Tach: 24.2
Engine TSMO: 1121.4

ATURE

LICENSE
NUMBER

I certify that this **Engine and Propeller** has been inspected in accordance with an **annual inspection** and was determined to be in airworthy condition. The following work was performed with the scope and detail of FAR Part 43 , appendix D, per Beechcraft A36 maintenance manual inspection guide Chapter 5-20-00 and Teledyne Continental maintenance manual.. The following was performed:

- Compression Check: #1 67/80, #2 66/80, #3 69/80, #4 66/80, #5 73/80, #6 73/80. Master orface low of the day 46/80.
- Performed oil change. Installed Champion oil filter P/N 48109-1 and added 11 Quarts Aeroshell 15W-50. Cut open old oil filter to check for metal. Found satisfactory.
- Replaced induction air filter BA7112
- Retorqued all induction clamps.
- Degreased engine.
- Removed right magneto P/N S6RN-1225 BL-349350-5 S/N F1099171FR and sent out to Aircraft Magneto Service 11697 Kirk Ave. NE Bainbridge Island, WA 98110 work order 7426 dated 18 April 2014 for 500 hour inspection. Filled yellow tag into aircraft records. Reinstalled magneto P/N S6RN-1225 BL-349350-5 S/N F1099171FR with new gaskets and timed to engine. Repaired frayed magneto grounds.
- Pressure checked muffler for cracks and found satisfactory.
- Ran engine and leak checked satisfactory.
- Checked and set engine fuel pressures in accordance with aircraft manufacture and Teledyne continental motors maintenance instructions and TCM SB SID97-3.
- AD 2012-03-06 amendment 39-16947 dated Feb 24,2012 D/N/A Avstar fuel servo or diaphragm not installed.
- AD 2014-05-29 Amendment 39-17801 dated April 25, 2014 D/N/A superior cylinders not installed.
- All AD's checked to date.
- This engine was determined to be in satisfactory condition for return to service.

Jeffrey Savko IA 2726736

DATE

R
Group

Reg: N84BE
Make/Model: IO-550-B1F
S/N: 296528-R

JMS Services LLC
Date: 04/23/2015
Hobbs: 40.9
Engine TSMO: 1138.1

E

LICENSE
NUMBER

I certify that this **Engine and Propeller** has been inspected in accordance with an **annual inspection** and was determined to be in airworthy condition. The following work was performed with the scope and detail of CFR 14, FAR Part 43 , appendix D.

The following was performed:

- Compression check: #1 72/80, #2 65/80, #3 66/80, #4 68/80, #5 71/80, #6 73/80. Master orface check of the day 45/80.
- Removed sparkplugs, cleaned, gapped and rotated.
- Checked magneto timing. Found satisfactory.
- Lubricated controls and checked travels.
- Checked all induction clamps for torque. Tightened rocker cover screws.
- Degreased engine compartment.
- Replaced induction airfilter P/N BA-7112.
- Performed oil change. Added 10 quarts Aeroshell 15W-50. Installed new oil filter Champion P/N48109-1. Cut open oil filter and inspected, found satisfactory.
- Pressure checked muffler.
- Ran engine and leak checked satisfactory.
- All AD's checked to date 2015/04.
- This engine was determined to be in airworthy condition and is returned to service.

Jeffrey Savko IA 2726736

NAME
JEFF SAVKO

PA 1046

NAME
BENDX (TCM)

UNIT
MAGNETO 96RN-1225

PART #
BL-349350-5

SERIAL #
F1099171FR

ID #

DISPOSITION
RETURN TO SERVICE

REASON FOR REMOVAL
SCOPE INSPECTION

REMOVED BY
J. SAVKO

DATE
18 APR 2014

AD OR SERVICE SEE
REVERSE SIDE

BULLETIN
OF IT IS FOR LISTING

WORK
SCOPE INSPECTION

PERFORMED BY
JEFF SAVKO

FAA CERTIFICATE NO.
X42001-Z

AIRCRAFT MAGNETO SERVICE

11697 KIRK AVE. NE

BAINBRIDGE ISLAND, WA 98110

(206) 768-3099

ENGINE LOG

JMS Services LLC

Reg: N84BE
Make/Model: IO-550-B1F
S/N: 296528-R

Date: 04/20/2016
Hobbs: 56.5
Engine TSMO: 1153.7

I certify that this **Engine and Propeller** has been inspected in accordance with an **annual inspection** and was determined to be in airworthy condition. The following work was performed with the scope and detail of CFR 14, FAR Part 43, appendix D.

The following was performed:

- Compression check: #1 69/80, #2 61/80, #3 70/80, #4 67/80, #5 76/80, #6 68/80. Master orifice check of the day 45/80.
- Removed sparkplugs, cleaned, gapped and rotated.
- Checked magneto timing. Found satisfactory.
- Lubricated controls and checked travels.
- Checked all induction clamps for torque. Tightened rocker cover screws.
- Degreased engine compartment.
- Replaced induction airfilter P/N BA-7112.
- Performed oil change. Added 10 quarts Aeroshell 15W-50. Installed new oil filter Champion P/N48109-1. Cut open oil filter and inspected, found satisfactory.
- Pressure checked muffler.
- Ran engine and leak checked satisfactory.
- All AD's checked to date 2016/04.
- This engine was determined to be in airworthy condition and is returned to service.

Jeffrey Savko IA 2726736

BROUGHT FC
TC

URE
LICENSE
NUMBER

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				

REG: N84BE
MAKE: Continental
MODEL: IO-550-B1F
S/N: 296528-R

HOBBS: 69.6
TACH: N/A
TSN: N/A
TSMO: 1166.8



JMS Services LLC
325 Main Street
Stratford CT, 06615

I certify that this **Engine and Propeller** has been inspected in accordance with an **Annual inspection** and was determined to be in airworthy condition. The following work was performed with the scope and detail of CFR 14, FAR Part 43, appendix D and Beechcraft 35 series Maintenance Manual.

-The following was performed-

- Compression check: #1 74/80, #2 61/80, #3 70/80, #4 63/80, #5 72/80, #6 64/80. Master orifice check of the day 45/80.
- Removed sparkplugs, cleaned, gapped and rotated.
- Checked magneto timing. Found satisfactory.
- Lubricated controls and checked travels.
- Checked all induction clamps for torque. Tightened rocker cover screws.
- Degreased engine compartment.
- Replaced induction air filter P/N BA-7112.
- Performed oil change. Added 10 quarts Aeroshell 15W-50. Installed new oil filter Champion P/N48109-1. Cut open oil filter and inspected, found satisfactory.
- Pressure checked muffler.
- Ran engine and leak checked satisfactory.
- All AD's checked to date 2017/04.

-This engine was determined to be in airworthy condition and is returned to service.-
-END-

BR

Joseph Bugarchich AP IA 3621843

DATE: 04/28/2017

CHECKED OR COMPLIED WITH THE FOLLOWING
AIRWORTHINESS DIRECTIVES AND THE REFERENCED
SERVICE BULLETINS

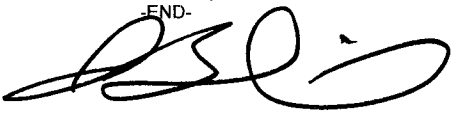
BENDIX/TCM 20/200/1200

METHOD OF COMPLIANCE

Airworthiness Directive/Service Bulletin	Rev	Inspect	Repair	D	Repeat
74-26-09 Drive Bushing				N	By
82-13-01 Green Dist. Block				A	
82-20-01 Soft Flywts.					
94-01-03 Ignition Coil & Magnet					
94-06-09 Capacitor					
10-349276					
05-12-06 Impulse Coupling Inspection					
SB643B					
SB653					
SB658					
SB663A					
CSB 665A					
10-400615					

ENGINE LOG

DATE	R	REG: N84BE	HOBBS: 85.8		JMS Services LLC 325 Main Street Stratford CT, 06615	RE	LICENSE NUMBER	
	Groun	MAKE: Continental	TACH: N/A					
		MODEL: IO-550-B1F	TSN: N/A					
		S/N: 296528-R	TSMO: 1183					
		I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed with the scope and detail of CFR 14, FAR Part 43, appendix D and Beechcraft 36 series Maintenance Manual.						
		-The following was performed-						
		- Compression check: #1 64/80, #2 61/80, #3 67/80, #4 60/80, #5 78/80, #6 83/80.						
		- Removed CYL#5, piston and pin and replaced with new CYL ASSY P/N 658552A3 S/N AC171A046 and PISTON ASSY P/N 630046.						
		Base nuts torqued I/A/W Continental O/H manual. Installed removed exhaust and intake stacks with new gaskets.						
		- Removed sparkplugs, cleaned, gapped and rotated.						
		- Checked magneto timing. Found satisfactory.						
		- Replaced EGT probe P/N 2870						
		- Lubricated controls and checked travels.						
		- Checked all induction clamps for torque. Tightened rocker cover screws.						
		- Degreased engine compartment.						
		- Performed oil change. Added 10 quarts Phillips 20W-50 X/C. Installed new oil filter Champion P/N48109-1. Cut open oil filter and inspected, found satisfactory.						
		- Pressure checked muffler.						
		- Ran engine and leak and ops checked satisfactory.						
		- All AD's checked to date 2018/05.						
		-This engine was determined to be in airworthy condition and is returned to service-						
		-END-						
BROUGHT FOR		Joseph Bugarchich AP IA 3621843				DATE: 05/1/2018		
TOI								

DATE	REQ: N84BE	HOBBS: 103.5		JMS Services LLC 325 Main Street Stratford CT, 06615
	MAKE: Continental	TACH: N/A		
	MODEL: IO-550-B1F	TSN: N/A		
	S/N: 296528-R	TSMO: 1216.9		
	I certify that this Engine and Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. The following work was performed with the scope and detail of CFR 14, FAR Part 43, appendix D and Beechcraft 36 series Maintenance Manual.			
	-The following was performed-			
	- Compression check: #1 67/80, #2 54/80, #3 64/80, #4 65/80, #5 77/80, #6 67/80.			
	- Removed sparkplugs, cleaned, gapped and rotated.			
	- Checked magneto timing. Found satisfactory.			
	- Lubricated controls and checked travels.			
	- Checked all induction clamps for torque. Tightened rocker cover screws.			
	- Degreased engine compartment.			
	- Performed oil change. Added 10 quarts Phillips 20W-50 X/C. Installed new oil filter Champion P/N48109-1. Cut open oil filter and inspected, found satisfactory.			
	- Pressure checked muffler.			
	- Ran engine and leak and ops checked satisfactory.			
	- All AD's checked to date 2019/04.			
	-This engine was determined to be in airworthy condition and is returned to service-			
	-END-			
	Joseph Bugarchich AP IA 3621843			
			DATE: 04/24/2019	

DATE

REG: N84BE
MAKE: Continental
MODEL: IO-550-B1F
S/N: 296528-R

HOBBS: 116.4
TACH: N/A
TSN: N/A
TSMO: 1229.8



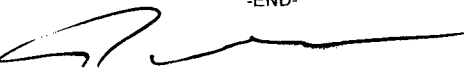
JMS Services LLC
325 Main Street
Stratford CT, 06615

I certify that this **Engine and Propeller** has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition. The following work was performed with the scope and detail of CFR 14, FAR Part 43, appendix D and Beechcraft 36 series Maintenance Manual.

-The following was performed-

- Compression check: #1 70/80, #2 62/80, #3 70/80, #4 59/80, #5 78/80, #6 68/80. Master orface of the day 45/80.
- Removed and replaced spark plugs Champion RHB32E.
- Checked magneto timing. Found satisfactory.
- Lubricated controls and checked travels.
- Checked all induction clamps for torque. Tightened rocker cover screws.
- Degreased engine compartment.
- Performed oil change. Added 10 quarts Phillips 20W-50 X/C. Installed new oil filter Champion P/N48109-1. Cut open oil filter and inspected, found satisfactory.
- Pressure checked muffler.
- Ran engine and leak and ops checked satisfactory.
- All AD's checked to date 2020/05.

-This engine was determined to be in airworthy condition and is returned to service-
-END-

Jeffrey Savko IA 2726736 

DATE: 05/20/2020

The Standard Engine Log
SE-2

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Email: asa@asa2fly.com

Printed in China

18

TRANSPORTATION USD \$12.95



Engine Record General Information

Log #2

Manufacturer **TCLM** Model **10-550-B1F**
Serial **296528-R** Type Certificate
This engine is currently installed in aircraft: **N 84BE**

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____
Magnetto Time _____ Point Setting _____ Firing Order _____
Spark Plug Gap _____
Manufacturer's Recommended Overhaul at _____ hours

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Date: 1/26/2024; Aircraft: N84BE; S/N: E-2114; Hobbs: 154.60; Total Time: 3028.90 Continental m/n: IO-550-B; s/n: 296528-R; TOTAL TIME= 1268.0. TSMOH= N/A. I certify that this engine has been inspected in accordance with an Annual Inspection and current FAA Regulations and was determined to be in an airworthy condition. Pertinent details are on file at this facility under Shop Order # MA-24-6138. 1. Complied with engine cylinders compression check: #1-64/80; #2-72/80; #3-58/80; #4-56/80; #5-70/80; #6-56/80. Orifice was 48/80. 2. All spark plugs cleaned, gapped, tested, rotated, and reinstalled using new gasket p/n: M674. 3. Changed engine oil and filter. Cut open and visually inspected old filter. No unusual materials noted. Installed new Champion oil filter p/n: CH48109-1 and safetied. Cleaned engine and lubed engine controls. Serviced engine with 12 quarts of Phillips 20W50 type M oil. 4. Left magneto timing checked at 22° BTDC #1 cylinder. Right magneto timing checked at 21.5 BTDC #1 cylinder. 5. Fuel controller fuel inlet screen visually inspected, cleaned, and reinstalled. No leaks noted. 6. Installed new air filter p/n: BA-7112. 7. Cleaned ignition lead ends with MEK. 8. Pressure checked exhaust system. No abnormal leakage noted.					9. Pressure checked induction system. No abnormal leakage noted. 10. Right magneto was installed after a 500 hr. inspection at ACTT= 2898.5 hrs. Next 500 hrs. inspection is due at ACTT= 3398.5 hr. or in 396.6 hrs. 11. Left magneto was installed after a 500 hrs. inspection at ACTT= 2618.0 hrs. Next 500 hr. inspection is due at ACTT= 3118.0 or in 89.1 hrs. 12. Installed new cabin heat hose p/n: 35-550115-149 on engine right aft side. Secured hose with original clamps. Ops checked heat on run up. Ops check good. 13. AD 2022-16-03 Continental S-1200 magneto lubrication of bearings is not applicable by magneto serial numbers. 14. AD 2022-04-04 to prevent loss of power is not applicable. The affected part is not installed on the engine. 15. AD 2005-12-06 inspection of the magneto impulse coupling is not applicable to this installation. 16. Ran engine and checked for leaks. No leaks noted. Engine ground operation checked good. Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-24-6138. Celtis A. Vega ACP 3566700 IA. Date JAN 26/2024