

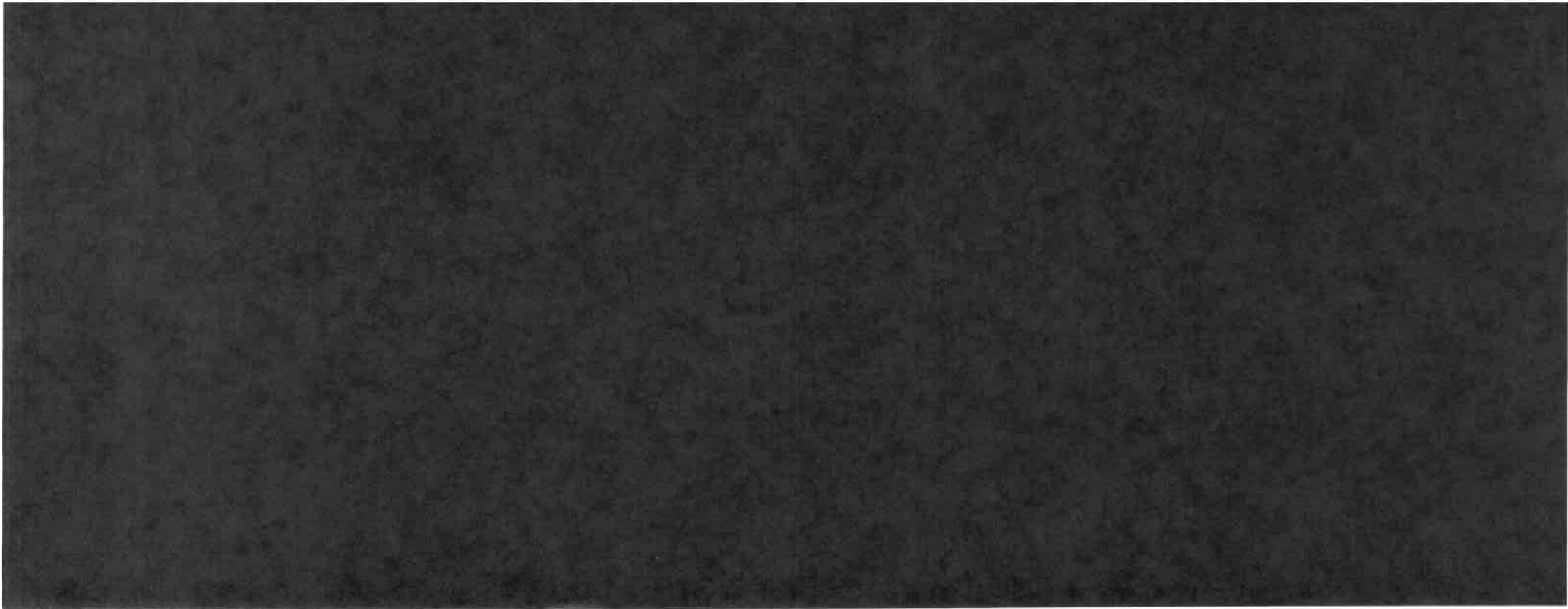
R: 504



The Standard

PROPELLER LOG

ASA-SP-L



Propeller Record General Information

Propeller Manufacturer _____

Model _____ **Type** _____

Hub Series # _____ **Blade #** _____

Date of Manufacture _____

Make/Model _____ **Serial #** _____

Aircraft Installed On: _____

6027-418-6



274186

50495



Year: _____

Date: _____

Next Ins
Due: _____

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 13-6558

Right Propeller Logbook Entry
McCauley, 3AF32C502-B, S/N-246739-R

Year: _____

Date: _____

Next Ins
Due: _____

11/14/2013, N303TL, Hobbs-2359.9, AFTT-5103.9, LENGTT-593.7, LENGSMOH-593.7, RENGTT-593.7, RENGS MOH-593.7, LPROPTT- Unknown, LPROPSMOH-593.7, RPROPTT- Unknown, RPROPSMOH-593.7. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" and Exec 1 Aviation's check list. Removed spinner, inspected spinner, bulkhead, hub and blades. Dressed blades, reinstalled spinner- no defects noted. Checked AD's.

I Certify that this PROPELLER has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Year: _____

Date: _____

Next Ins
Due: _____

Robert K Miller
Chief Inspector
FAA CRS

Mech. Cert. # or Repair Station # _____

Year: _____

Total Time
in Service

Description

Date: _____

Next Ins
Due: _____

FAA Certified
Repair Station
X1AR676H



Right Propel
McCauley, 3AF32

Year: _____

Date: _____

Next Ins
Due: _____

1/2/2015 N303TL Hobbs-2465.3 AFTT-5209.3
Unknown, LPROPSMOH-699.3 RPROPTT- Unl
Inspection I/A/W FAR 43 Appendix "D" and Exe
spinner, bulkhead, hub and blades. Dressed blade:

I Certify that this PROPELLER has been Inspe
determined to be in AIRWORTHY condition.

Year: _____

Date: _____

Next Ins
Due: _____

Mech. Cert. # or Repair Station # _____

S



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 13-6558

Logbook Entry
02-B, S/N-246739-R

LENGTT-593.7, LENGSMOH-593.7, RENGTT-
PROPSMOH-593.7, RPROPTT- Unknown,
section I/A/W FAR 43 Appendix "D" and Exec 1
inner, bulkhead, hub and blades, Dressed blades,

I I/A/W an ANNUAL INSPECTION and has been

Robert K Miller
Chief Inspector
FAA CRS

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Year:	Total Time in Service	Description
Date:		
Next Ins. Due:	FAA Certified Repair Station X1AR676H	515-965-1020 3700 SE Convenience Blvd Ankeny, Iowa 50021 W/O 14-7257
Year:		
Date:	1/2/2015	N303TL Hobbs-2465.3 AFTT-5209.3 LENGTT-699.1 RENGTT-699.3 LPROPTT- Unknown, LPROPSMOH-699.3 RPROPTT- Unknown, RPROPSMOH-699.3. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" and Exec 1 Aviation's check list. Removed spinner, inspected spinner, bulkhead, hub and blades. Dressed blades, reinstalled spinner- no defects noted. Checked AD's.
Next Ins. Due:		I Certify that this PROPELLER has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.
Year:		
Date:		
Next Ins. Due:		Michael D. Callison Chief Inspector FAA CRS

☐ **HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS**

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time	Description
-------------	------------	-------------

Date:

Mar 07, 2017 – N303TL – McCauey Propeller – Model # 3AF32C502-B - SN - 246739-R
 Cleaned and dressed propeller blades as per FAR 43app D, with AC43.13 and Cessna service manual.
 No recurring Ads at this time, See permanent records for AD compliance.

Airframe	TT	5404	Hobbs	2650
Prop RH	TT	unknown	SMOH	894

I certify that this propeller has been inspected in accordance with an Annual inspection, and was found to be in an airworthy condition at this time and date.
 John Aanonsen – IA [REDACTED]

Year: <u>2018</u>	Total Time in Service	Description <u>Dressed & spinners & blades for</u>
Date: <u>7/18</u>		
Next Inspection Due: <u>Hobbs 2831</u>	Time Since Overhaul <u>1075</u>	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
-------------	-----------------------	-------------

Date:

Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
-------------	-----------------------	-------------

Date:

Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

IS

PELLER

- Model # 3AF32C502-B - SN - 246739-R
with AC43.13 and Cessna service manual.
D compliance.

2650

894

e with an Annual inspection, and was found to be in

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Year: 2018	Total Time in Service	Description
Date: 7/18		Dressed blades, painted face, inspected, hubs.
Next Inspection Due: Hobbs 2831	Time Since Overhaul: 1075	spinnings & blades. 7/18/18
		[REDACTED] for BGRS58C
		Mech. Cert. # or Repair Station #
Year:	Total Time in Service	Description
Date:		I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and found to be airworthy
Next Inspection Due:	Time Since Overhaul	Berkshire Aviation Ent. Inc.
		FAA approved repair station No. BGR558C
		Repair order on file No. 7295.....
		Mech. Cert. # or Repair Station #
Year:	Total Time in Service	Description
Date:		[REDACTED] 7/18/18
Next Inspection Due:	Time Since Overhaul	Signed [Signature] Date
		Mech. Cert. # or Repair Station #

Year: _____	Total Time in Service	Desr
Date: _____		
Next Inspection Due:	Time Since Overhaul	Mech

STA
SouthTecAviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
 SALISBURY, NC 28147
 INFO@SOUTHTTECAVITON.COM

July 17, 2019 | R/H McCauley Propeller | 3AF32C506-B/G-82NEB-8 | S/N:831803
 Hobbs: 2832.1 hrs. TTP: 1165.9 hrs.

Year: _____	Total Time in Service	Desr
Date: _____		
Next Inspection Due:	Time Since Overhaul	Mech

No AD's due at this time. Cleaned, dressed, and inspected propeller blades, Lubed hub. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. ////////////////END////////////////////

Michael S. Dodd

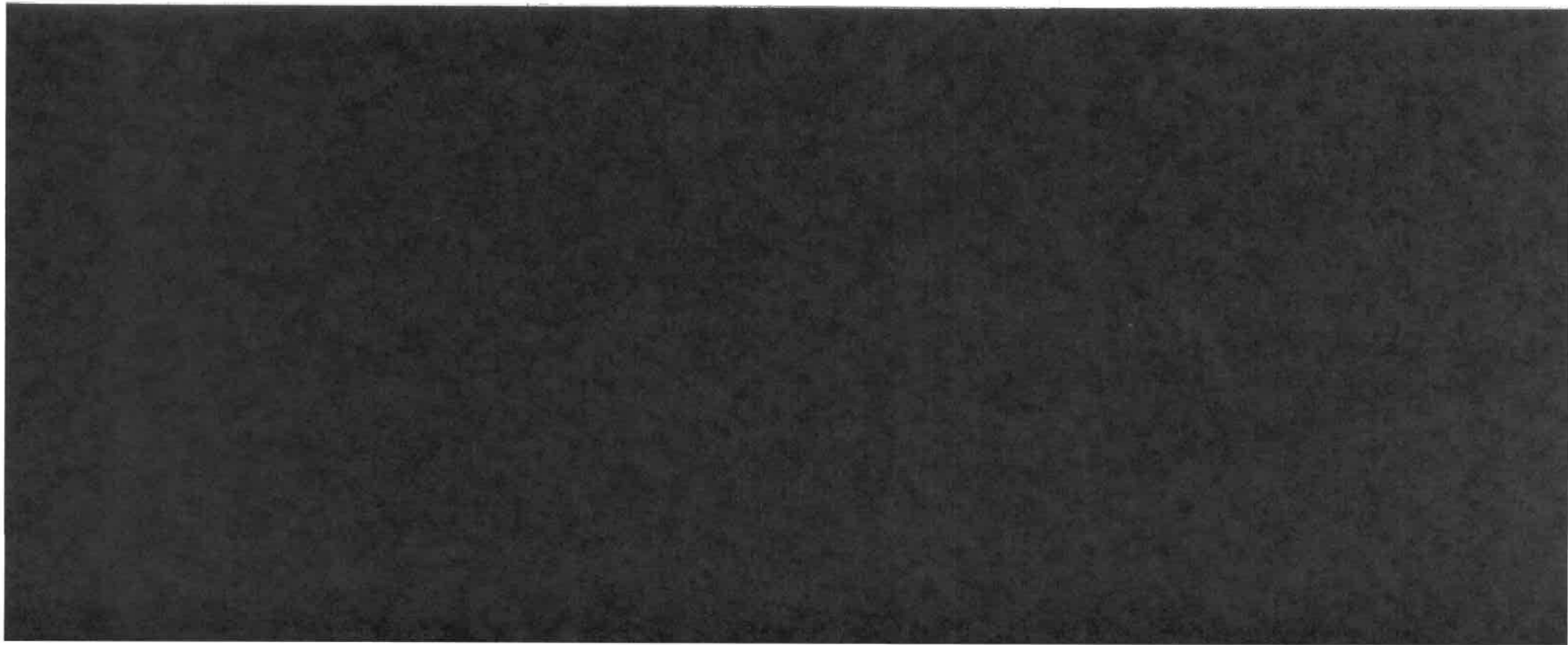
A&P 3 [REDACTED] IA

Year: _____	Total Time in Service	Desr
Date: _____		
Next Inspection Due:	Time Since Overhaul	Mech

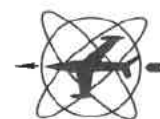
Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due:	Time Since Overhaul	Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due:	Time Since Overhaul	Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due:	Time Since Overhaul	Mech. Cert. # or Repair Station # _____



West



The Standard

PROPELLER LOG

ASA-SP-L

Propeller Record General Information

Propeller Manufacturer McLauley

Model 3AF32C506-B

Type _____

Hub Series # 832052

Blade # _____

Date of Manufacture _____

Make/Model

Serial #

Aircraft Installed On: _____

6027-418-6



50495



274186

Year: _____

Date: _____

Next Insp
Due: _____FAA Certified
Repair Station
X1AR676H515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 13-6558

Left Propeller Logbook Entry

McCauley, 3AF32C506-B, S/N-832052

Year: _____

Date: _____

Next Insp
Due: _____

11/14/2013, N303TL, Hobbs-2359.9, AFTT-5103.9, LENGTT-593.7, LENGSMOH-593.7, RENGTT-593.7, RENGS MOH-593.7, LPROPTT- Unknown, LPROPSMOH-593.7, RPROPTT- Unknown, RPROPSMOH-593.7. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" and Exec 1 Aviation's check list. Removed spinner, inspected spinner, bulkhead, hub and blades. Dressed blades, reinstalled spinner- no defects noted. Checked AD's.

I Certify that this PROPELLER has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Year: _____

Date: _____

Next Insp
Due: _____Robert K Miller
Chief Inspector
FAA

Mech. Cert. # or Repair Station #

Year: _____

Date: _____

Next Insp
Due: _____Repair Station
X1AR676H

Left Pro

McCauley, :

Year: _____

Date: _____

Next Insp
Due: _____

1/2/2015 N303TL Hobbs-2465.3 AFTT-520
Unknown, LPROPSMOH-699. RPROPTT-
Inspection I/A/W FAR 43 Appendix "D" and
spinner, bulkhead, hub and blades. Dressed bl

I Certify that this PROPELLER has been In
determined to be in AIRWORTHY condition.

Year: _____

Date: _____

Next Inspection
Due: _____Time Since
Overhaul _____

Mech. Cert. # or Repair Station #

S



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 13-6558

Logbook Entry
3AF32C506-B, S/N-832052
, LENGTT-593.7, LENGSMOH-593.7, RENGTT-
LPROPSMOH-593.7, RPROPTT- Unknown,
Inspection I/A/W FAR 43 Appendix "D" and Exec I
spinner, bulkhead, hub and blades. Dressed blades,
ed I/A/W an ANNUAL INSPECTION and has been

Robert K Miller
Chief Inspector
FAA [REDACTED]

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Year: _____
Date: _____
Next Insp
Due: _____

Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-7257

Left Propeller Logbook Entry
McCauley, 3AF32C506-B, S/N-832052

Year: _____
Date: _____
Next Insp
Due: _____

1/2/2015 N303TL Hobbs-2465.3 AFTT-5209.3, LENGTT-699.1 RENGTT-699.1 LPROPTT-
Unknown, LPROPSMOH-699.1 RPROPTT- Unknown RPROPSMOH-699.1. Completed 100hr./Annual
Inspection I/A/W FAR 43 Appendix "D" and Exec I Aviation's check list. Removed spinner, inspected
spinner, bulkhead, hub and blades. Dressed blades, reinstalled spinner- no defects noted. Checked AD's.
I Certify that this PROPELLER has been Inspected I/A/W an ANNUAL INSPECTION and has been
determined to be in AIRWORTHY condition.

[REDACTED]
Michael D. Callison
Chief Inspector
FAA [REDACTED]

Next Inspection
Due: _____ Time Since
Overhaul _____

Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
-------------	-----------------------	-------------

LH PROPELLER

Mar 07, 2017 – N303TL – McCauley Propeller – Model # 3AF32C506B - SN - 832052

Cleaned and dressed propeller blades as per FAR 43 app D, with AC43.13 and Cessna service manual.

No recurring Ads at this time, See permanent records for AD compliance.

Airframe	TT	5404	Hobbs	2650
Propeller LH	TT	unknown	SMOH	894

I certify that this propeller has been inspected in accordance with an Annual inspection, and was found to be in an airworthy condition at this time and date.

John Aanonsen – IA A&P # [REDACTED]

Year: _____	Total Time in Service
Date: _____	
Next Inspection Due: _____	Time Since Overhaul
Year: _____	Total Time in Service
Date: _____	
Next Inspection Due: _____	Time Since Overhaul
Year: _____	Total Time in Service
Date: _____	
Next Inspection Due: _____	Time Since Overhaul

SouthTec Aviation
OFFICE: 704-431-6862

July 17, 2019 | L/H McCauley Propeller
Hobbs: 2632.1 hrs. TSMOH: 1165.9 h

No AD's due at this time. Cleaned, dr hub. Maintenance performed in accordance with AC43.13 and Cessna service manual. I certify that this propeller has been inspected and was determined to be in an airworthy condition.

Michael S. Dodd

IS

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

LLER

Model # 3AF32C506B - SN - 832052
h AC43.13 and Cessna service manual.
pliance.

50

4

th an Annual inspection, and was found to be in

Year: _____	Total Time in Service
Date: _____	
Next Inspection Due: _____	Time Since Overhaul
Year: _____	Total Time in Service
Date: _____	
Next Inspection Due: _____	Time Since Overhaul
Year: _____	Total Time in Service
Date: _____	
Next Inspection Due: _____	Time Since Overhaul


SouthTec Aviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SALISBURY, NC 28147
INFO@SOUTHTECAVATION.COM

July 17, 2019 | L/H McCauley Propeller | 3AF32C506-B/G-82NEB-8 | S/N: 832052
Hobbs: 2932.1 hrs. TSMOH: 1165.9 hrs.

No AD's due at this time. Cleaned, dressed, and inspected propeller blades, Lubed
hub. Maintenance performed in accordance with manufacturers' maintenance manuals.
I certify that this propeller has been inspected in accordance with an annual inspection
and was determined to be in an airworthy condition. //END//

Michael S. Doss

A&P

STA
SouthTecAviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
 SALISBURY, NC 28147
INFO@SOUTHTECAVIATION.COM

Date: July 17, 2019 | Cessna T303 | S/N: T30300286 | Reg: N303TL
 Hobbs: 2932.1 hrs. TTAF: 2932.1 hrs.

AD 2011-10-09 Due inspection of seat tracks and seat pins. Inspected in accordance with AD paragraph (g) (1) through (9). No faults noted. Next due in 12 months or 3032.1 hours, whichever occurs first. **AD 2004-21-05** Complied with by disabling the heater. Completed following instructions listed in paragraph (e)(4) (i-vi) of AD. Replaced ELT battery, P/N:(BP-1020). EXP:05/2021. Swing landing six cycles and one emergency extension, no faults noted. Lubed landing gear. Checked level of landing gear reservoir. Inspected wheels, and repacked bearings. Lubed flight controls and pulleys. Repaired flare fuel drain line. Replaced turbo flange hardware. Replaced rubber seals on storm window entrance door and cargo door, P/N:(R581574) and P/N:(T-4096). Replaced missing inspection covers on aileron, P/N:(245-H01-1T). Installed patch over hole in right engine baffle. Taped cooling fan shroud seams. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. **END**

Michael R. Boud

A&P **IA**

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model TSI0520AE3B

Engine Serial Number 246241

Testing Completed

Standard Acceptance Test:

Date of Completion 2-13-08 Test Operator 31559



Form No 98344

Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 02/16/2008

This engine model TSI0520AE3, Serial No. 246241 - R was manufactured on 02/13/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY
PRODUCTION CERTIFICATE NO. 508

Date



SouthTec Aviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SAUSBURY, NC 28147
INFO@SOUTHTECAVATION.COM

Maintenance Record

as Directives, Special Inspections,

Brought Forward

Date: July 17, 2019 | Left Engine | TSIO-520-AE3 | S/N: 246241-R | Reg: N303TL
Hobbs: 2932.1 hrs. TSMOH: 101.1 hrs.

No AD's due at this time. Borescoped cylinders. Compressions: 1). 78/80, 2). 70/80, 3). 78/80, 4). 68, 5). 78/80, 6). 79/80. Drained oil, cut open filter, and inspected for metal, none noted at this time. Filled with six quarts of Aeroshell w100 Plus oil. Installed new Tempest oil filter, P/N: AA48109. Cleaned and gapped spark plugs. Lubed engine controls. Degreased engine compartment. Fuel set up checked using SID97-3E. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. //END//

Michael S. Doud

A&P [redacted] 2 IA

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

**Engine Return Department
2039 Broad Street
Mobile, AL 36615**

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 01/27/2008

This engine model LTSI0520AE3, Serial No. 246739 - R was manufactured on 01/25/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date



SouthTec Aviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SALISBURY, NC 28147
INFO@SOUTHTECAVATION.COM

Maintenance Record

ess Directives, Special Inspections,

Brought Forward

Date: July 17, 2019 | Right Engine | TSIO-520-AE3 | S/N: 246739-R | Reg: N303TL
Hobbs: 2932.1 hrs. TSMOH: 1185.9 hrs.

No AD's due at this time. Borescoped cylinders Compressions: 1). 85/80, 2). 55/80, 3). 69/80, 4). 80, 5). 70/80, 6). 70/80. Drained oil, cut open filter, and inspected for metal, none noted at this time. Filled with six quarts of Aeroshell w100 Plus oil. Installed new Tempest oil filter, P/N: AA48109. Cleaned and gapped spark plugs. Lubed engine controls. Degreased engine compartment. Fuel set up checked using SID97-3E. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. //END//

Michael S. Dodd

A&P [REDACTED] LA

L

Propeller Record General Information

Propeller Manufacturer McLaurie

Model 3AF32C506-B

Hub Series # 832052

Date of Manufacture _____

Type _____

Blade # _____

Serial # _____

Make/Model _____

Aircraft Installed On: _____

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

	Total Time in Service	
Inspection	Time Since Overhaul	 SouthTec Aviation OFFICE: 704-431-6862
		3330 AIRPORT LOOP SAUSBURY, NC 28147 INFO@SOUTHTECAVITON.COM
Year: _____	Total Time in Service	July 17, 2019 L/H McCauley Propeller 3AF32C506-B/G-82NEB-8 S/N:832052 Hobbs: 2932.1 hrs. TSMOH: 1165.9 hrs.
Date: _____		No AD's due at this time. Cleaned, dressed, and inspected propeller blades, Lubed hub. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. ////////////////END//////////////////
Next Inspection Due:	Time Since Overhaul	 Michael A. Dodd
		A&P:  A
Year: _____	Total Time in Service	
Date: _____		
Next Inspection Due:	Time Since Overhaul	

3 & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

	Total Time In Service	Des
Next Inspection Due:	Time Since Overhaul	Mech
Year:	Total Time In Service	Des
Date:		
Next Inspection Due:	Time Since Overhaul	Mech
Year:	Total Time In Service	Des
Date:		
Next Inspection Due:	Time Since Overhaul	Mech

SouthTec Aviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SALISBURY, NC 28147
INFO@SOUTHTECAVIATION.COM

July 17, 2019 | R/H McCauley Propeller | 3AF32C506-B/G-62NEB-8 | S/N:831803
Hobbs: 2932.1 hrs. TTP: 1165.9 hrs.

No AD's due at this time. Cleaned, dressed, and inspected propeller blades, Lubed hub. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.//END//

Michael S. Dodd

A&P [Redacted] IA

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

N303TL

Halls- 2932,2

CAROLINA AVIONICS GROUP, LLC

FAA Approved repair station QCCR389K
Altimeter Scale Error
Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	-1000	30,000	
0	0	35,000	
500	500	40,000	
1,000	1000	45,000	
1,500	1500	50,000	
2,000	2000	55,000	
3,000	3000	60,000	
4,000	4010	70,000	
6,000	6020	80,000	
8,000	8040		
10,000	10060		
12,000	12060		
14,000	14060		
16,000	16060		
18,000	18080		
20,000	20060		
22,000	22040		
25,000	25020		

Altimeter
Position
Pilot ☐
Copilot ☐

ALT. S/N T8434
DATE 7-10-19

DOCH E00123

CYCL
OTA

FAR 91.413

THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.

TRANSPONDER #1 MAKE: Garmin MODEL: GTX345 S/N: 3EG001877

TRANSPONDER #2 MAKE: MODEL: S/N:

DATE: 7-10-2019 WO: 8955 INSPECTOR: [REDACTED]

CAROLINA AVIONICS GROUP, LLC
N303TL FAA APPROVED REPAIR STATION # QCCR-389K

FAR 91.411

ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43

ALTIMETER CERTIFIED TO

LEFT	FEET	RIGHT	FEET
	20,000		
S/N:	T8434	S/N:	
DATE:	7-10-2019	W/O:	8955
		INSPECTOR:	[REDACTED]

CAROLINA AVIONICS GROUP, LLC
N303TL FAA APPROVED REPAIR STATION # QCCR-389K

Carolina Avionics Group, LLC 3650 Airport Loop Rd Salisbury, NC 28147
LOG ID# 50 17-July-2019
N303TL S/N T30300286 CESSNA T303

Pg 1 / 1

Refurbished Interior- Replaced all carpet with Omnavia 89266-1424 Glitz Champagne Lot# 190617. Removed old insulation and installed new SX-1000 SoudEx insulation. Re-foamed all seats using Skandia Polyurethane HR70 foam. Recovered all seats and side panels using Helvetia Hampton leather, color white, dye LOT 042710#H100. Recovered headliner using IZIT Leather, color Polar White, Dye Lot JE-MT-47-700113. Dye painted all plastics color to match. All seat belts rewebbed by Aviation Safety Products. All materials used meets FAA requirements and these documents are included with customer's invoice. Performed satisfactory operational check of all seat belts and seats.

Signed [REDACTED] Gary Jenkins

Date 7/17/19

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

SouthTecAviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SALISBURY, NC 28147
INFO@SOUTHTECAVATION.COM

Date: July 17, 2019 | Cessna T303 | S/N: T30300286 | Reg: N303TL
Hobbs: 2932.1 hrs. TTAF: 2932.1 hrs.

AD 2011-10-09 Due Inspection of seat tracks and seat pins. Inspected in accordance with AD paragraph (g) (1) through (9). No faults noted. Next due in 12 months or 3032.1 hours, whichever occurs first. **AD 2004-21-05** Complied with by disabling the heater. Completed following instructions listed in paragraph (e)(4) (i-vi) of AD. Replaced ELT battery, P/N:(BP-1020). EXP:05/2021. Swing landing six cycles and one emergency extension, no faults noted. Lubed landing gear. Checked level of landing gear reservoir. Inspected wheels, and repacked bearings. Lubed flight controls and pulleys. Repaired flare fuel drain line. Replaced turbo flange hardware. Replaced rubber seals on storm window entrance door and cargo door, P/N:(R581574) and P/N:(T-4096). Replaced missing inspection covers on aileron, P/N:(245-H01-1T). Installed patch over hole in right engine baffle. Taped cooling fan shroud seams. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. //IIIIII//END//IIIIII//

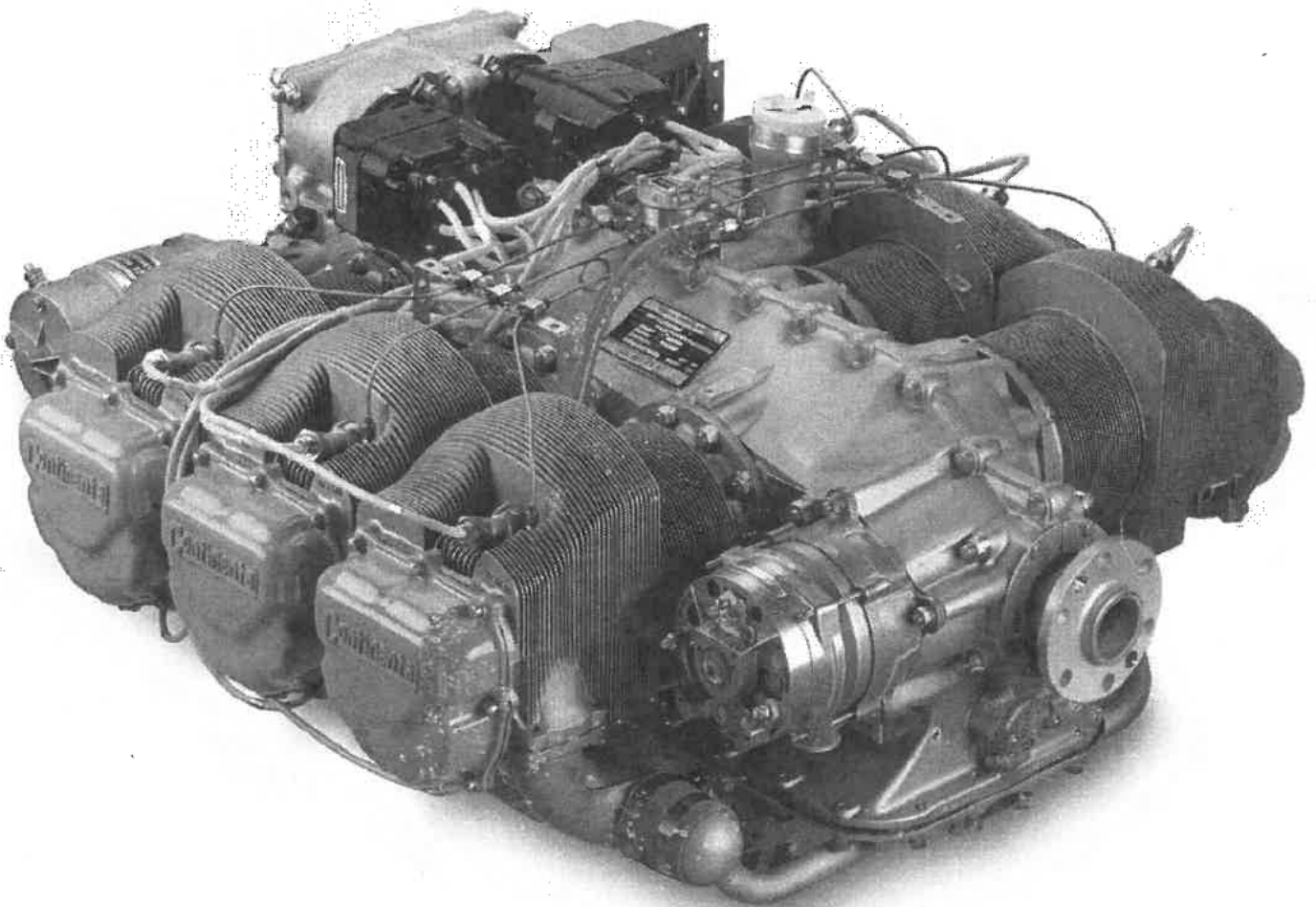
Michael R. Bohn

A&P [REDACTED] IA

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

**Engine Return Department
2039 Broad Street
Mobile, AL 36615**

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 01/27/2008

This engine model LTSI0520AE3, Serial No. 246739 - R was manufactured on 01/25/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			
	Hrs.	Min.	Hrs.	Min.				

LOGBOOK ENTRY

05/02/08	Hobbs	1766.2	Total:	0.0	SMOH:	0.0	M/N:	LTSIO-520-AE	S/N:	246739-R	N303TL
----------	-------	--------	--------	-----	-------	-----	------	--------------	------	----------	--------

1. Install this engine in N303TL Cessna T303 SN 286 using new engine shock mounts.
2. Fill sump with 8 qts Aeroshell 80 straight mineral oil.
3. Test run and set fuel pressures per SID97-3D
4. Test run and fly and check for proper operation.

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

Eric Amundson

AP [REDACTED] IA [REDACTED]

6/18/08	Hobbs	1789.8	Change oil and filter	Fill sump with 8 Qts	
			Phillips 20W50 oil		[REDACTED]
12/8/08	Hobbs	1835.6	change oil and filter	Fill sump with 8 Qts	
			Phillips 20W50 oil		[REDACTED]

LOGBOOK ENTRY

07/01/09	Hobbs	1864.4	Total:	98.2	SMOH:	98.2	M/N:	LTSIO-520-AE	S/N:	246739-R	N303TL
----------	-------	--------	--------	------	-------	------	------	--------------	------	----------	--------

1. Differential compression test #1-74/80, #2-69/80, #3-70/80, #4-66/80, #5-66/80, #6-72/80
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Clean and regap 12 sparkplugs.

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

Eric Amundson

AP [REDACTED] IA [REDACTED]

1/5/2010	Hobbs	1902.6	change oil and filter	Fill sump with 8 Qts	
			Phillips X/c 20W50 oil		[REDACTED]
4/28/10	Hobbs	1931.4	change oil and filter	Fill sump with 8 Qts	
			Phillips X/c 20W50 oil		[REDACTED]

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Brou

FAA Certified
Repair Station
XIAR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O13-6558

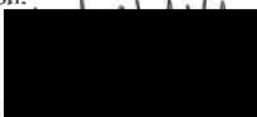
Right Logbook Entry

Continental, TSIO 520AE3, S/N-246739-R

11/14/2013, N303TL, Hobbs-2359.9, AFTT-5103.9, LENGTT-593.7, LENGSMOH-593.7, RENGTT-593.7, RENGLSMOH-593.7, LPROPTT- Unknown, LPROPSMOH-593.7, RPROPTT- Unknown, RPROPSMOH-593.7. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Cylinder compressions: 1- 63/80, 2- 64/80, 3- 64/80, 4- 70/80, 5- 55/80, 6-58/80. Removed and sent entire exhaust system to Acorn Welding under S/O # 37074, dated 11/5/2013, all risers, collectors, elbows and flanges cleaned, inspected and repaired as necessary, (see Acorn Release forms, dated 10/28/2013). Installed with new gaskets, and hardware. Checked magneto timing-Ok, removed and replaced spark plugs, P/N-RHB32E. Lubed waste gate and adjusted for proper boost. Checked AD's.

I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Robert K Miller
Chief Inspector
FAA



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

LOGBOOK ENTRY

08/16/10 Hobbs 1959.9 Total: 193.7 SMOH: 193.7 M/N: LTSIO-520-AE S/N: 246739-R N303TL

1. Differential compression test #1-62/80, #2-67/80, #3-69/80, #4-68/80, #5-66/80, #6-74/80 cold
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Clean and regap 12 sparkplugs.
4. AD 2010-11-04 Amndt 39-16309 does not apply to this engines lifters.

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

Eric Amundson

12/30/10	Hobbs	2020.4	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil Install new cylinder head temp probe
4/22/11	Hobbs	2054.2	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil

LOGBOOK ENTRY

09/14/11 Hobbs 2101.5 Total: 335.3 SMOH: 335.3 M/N: LTSIO-520-AE S/N: 246739-R N303TL

1. Differential compression test #1-69/80, #2-70/80, #3-67/80, #4-66/80, #5-69/80, #6-70/80
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Install 12 new RHB32E sparkplugs.

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

Eric Amundson

3/1/12	Hobbs	2139.3	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil
--------	-------	--------	---

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

LOGBOOK ENTRY

08/16/10 Hobbs 1959.9 Total: 193.7 SMOH: 193.7 M/N: LTSIO-520-AE S/N: 246739-R N303TL

1. Differential compression test #1-62/80, #2-67/80, #3-69/80, #4-68/80, #5-66/80, #6-74/80 cold
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Clean and regap 12 sparkplugs.
4. AD 2010-11-04 Amndt 39-16309 does not apply to this engines lifters.

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

Eric Amundson
AP: [Redacted] A [Redacted]

12/30/10	Hobbs	2020.4	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil Install new cylinder head temp probe [Redacted]		
4/22/11	Hobbs	2054.2	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil [Redacted]		

LOGBOOK ENTRY

09/14/11 Hobbs 2101.5 Total: 335.3 SMOH: 335.3 M/N: LTSIO-520-AE S/N: 246739-R N303TL

1. Differential compression test #1-69/80, #2-70/80, #3-67/80, #4-66/80, #5-69/80, #6-70/80
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Install 12 new RHB32E sparkplugs.

Date	Total Time	
	Hrs.	Min.
Brought Forward	→	

9/26/12 Hobbs 2229.4 Total

1. Differential compression test #1
2. Change oil and filter. Check for
3. Clean and regap 12 sparkplugs.

I certify that this engine has **annual inspection** and deter

Eric Amundson
AP: [Redacted] A [Redacted]

2013 - SEP 10		

FAA Certified
Repair Station
X1AR676H

5/14/2014 N303TL Hobbs
replaced oil filter CH48109

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

LOGBOOK ENTRY

08/16/10 Hobbs 1959.9 Total: 193.7 SMOH: 193.7 M/N: LTSIO-520-AE S/N: 246739-R N303TL

1. Differential compression test #1-62/80, #2-67/80, #3-69/80, #4-68/80, #5-66/80, #6-74/80 cold
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Clean and regap 12 sparkplugs.
4. AD 2010-11-04 Amndt 39-16309 does not apply to this engines lifters.

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

Eric Amundson
AP [REDACTED] IA [REDACTED]

12/30/10	Hobbs	2020.4	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil Install new cylinder head temp probe	[REDACTED]
4/22/11	Hobbs	2054.2	change oil and filter fill sump with 8 Qts Phillips X/c 20W50 oil	[REDACTED]

LOGBOOK ENTRY

09/14/11 Hobbs 2101.5 Total: 335.3 SMOH: 335.3 M/N: LTSIO-520-AE S/N: 246739-R N303TL

1. Differential compression test #1-69/80, #2-70/80, #3-67/80, #4-66/80, #5-69/80, #6-70/80
2. Change oil and filter. Check for metal Fill sump with 8qts Phillips 20W50 oil.
3. Install 12 new RHB32E sparkplugs.

Date	Total Time	
	Hrs.	Min.
Brought Forward	→	

9/26/12 Hobbs 2229.4

1. Differential compression
2. Change oil and filter. Ch
3. Clean and regap 12 spar

4/5/

I certify that this engine CH-
annual inspection and leak

Eric Amundson
AP [REDACTED] A [REDACTED]

2013 - SEE LC

FAA Certified
Repair Station
X1AR676H

5/14/2014 N303TL Hobbs
replaced oil filter CH48105

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-7257

Right Logbook Entry

Continental, TSIO 520AE3, S/N-246739-R

Brought

1/2/2015 N303TL Hobbs-2465.3 AFTT-5209.3, LENGTT-699.1 RENGTT-699.1 LPROPTT- Unknown, LPROPSMOH-699.3 RPROPTT- Unknown RPROPSMOH-699.3. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Cylinder compressions: 1- 64/80, 2- 66/80, 3- 63/80, 4- 60/80, 5- 62/80, 6-58/80. Cleaned gapped tested and rotated spark plugs. Checked magneto's timing. Checked AD's.

I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Michael D. Callison
Chief Inspector
FAA

LOGBOOK ENTRY

2/19/16	Hobbs	2509.2	TOTAL	743	SMOH	743	M/N	LTSIO-520-AE	S/N	246739-R
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1. Differential compression test #1-63/80, #2-62/80, #3-58/80, #4-55/80, #5-60/80, #6-52/80
2. Change oil and filter Check for metal OK Fill sump with 8 qts Phillips X/C 20W50 oil
3. Clean, regap, test, and rotate 12 sparkplugs
4. Check mag timing

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

Eric Amundson AP A

RH ENGINE

Mar 07, 2017 - N303TL - Engine Continental LTSIO-520-AE / SN-246739-R

Cleaned, lubed and serviced engine as per FAR 43 app D, with AC43.13 and Cessna Service manual.

Cleaned, gapped and rotated plugs. Replaced oil filter. Replaced oil Phillips XC20/50.

Engine run with all indications normal and no leaks observed.

No recurring AD's at this time. See permanent records for AD compliance.

Airframe	TT	5404	Hobbs	2650
Eng RH	TT	894	SMOH	n/a

Compressions, Ref 80psi #1 / 62 - #2 / 64 - #3 / 61 - #4 / 62 - #5 / 63 - #6 / 51

I certify that this engine has been inspected in accordance with an Annual inspection, and was found to be in an airworthy condition at this time and date.

John Aanonsen - IA A&P #

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-7257

Right Logbook Entry

Continental, TSIO 520AE3, S/N-246739-R

Brought

1/2/2015 N303TL Hobbs-2465.3 AFTT-5209.3, LENGTT-699.1 RENGTT-699.1 LPROPTT- Unknown, LPROPSMOH-699.3 RPROPTT- Unknown RPROPSMOH-699.3. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Cylinder compressions: 1- 64/80, 2- 66/80, 3- 63/80, 4- 60/80, 5- 62/80, 6-58/80. Cleaned gapped tested and rotated spark plugs. Checked magneto's timing. Checked AD's.

I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Michael D. Carlson
Chief Inspector
FAA

LOGBOOK ENTRY

2/19/16	Hobbs	2509.2	TOTAL	743	SMOH	743	M/N	LTSIO-520-AE	S/N	246739-R
---------	-------	--------	-------	-----	------	-----	-----	--------------	-----	----------

1. Differential compression test #1-63/80, #2-62/80, #3-58/80, #4-55/80, #5-60/80, #6-52/80
2. Change oil and filter Check for metal OK Fill sump with 8 qts Phillips X/C 20W50 oil
3. Clean, regap, test, and rotate 12 sparkplugs
4. Check mag timing

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

Eric Amundson AP [redacted] IA [redacted]

RH ENGINE

Mar 07, 2017 - N303TL - Engine Continental LTSIO-520-AE / SN-246739-R

Cleaned, lubed and serviced engine as per FAR 43 app D, with AC43.13 and Cessna Service manual.

Cleaned, gapped and rotated plugs. Replaced oil filter. Replaced oil Phillips XC20/50.

Engine run with all indications normal and no leaks observed.

No recurring AD's at this time. See permanent records for AD compliance.

Airframe	TT	5404	Hobbs	2650
Eng RH	TT	894	SMOH	n/a

Compressions, Ref 80psi #1 / 62 - #2 / 64 - #3 / 61 - #4 / 62 - #5 / 63 - #6 / 51

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in AIRWORTHY condition.

Gary A. Wanner

02/Jan/2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/airframe. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/airframe(s) from the airworthiness authority specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certificate signed by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

FAA Certified
Repair Station
X1AR676H

Exec Aviation

3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-7257

Right Logbook Entry

Continental, TSIO 520AE3, S/N-246739-R

Brought

1/2/2015 N303TL Hobbs-2465.3 AFTT-5209.3, LENGTT-699.1 RENGTT-699.1 LPROPTT- Unknown, LPROPSMOH-699.3 RPROPTT- Unknown RPROPSMOH-699.3. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Cylinder compressions: 1- 64/80, 2- 66/80, 3- 63/80, 4- 60/80, 5- 62/80, 6-58/80. Cleaned gapped tested and rotated spark plugs. Checked magneto's timing. Checked AD's. I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Michael D. Carlson
Chief Inspector
FAA C

LOGBOOK ENTRY

2/19/16	Hobbs	2509.2	TOTAL	743	SMOH	743	M/N	LTSIO-520-AE	S/N	246739-R
---------	-------	--------	-------	-----	------	-----	-----	--------------	-----	----------

1. Differential compression test #1-63/80, #2-62/80, #3-58/80, #4-55/80, #5-60/80, #6-52/80
2. Change oil and filter Check for metal OK Fill sump with 8 qts Phillips X/C 20W50 oil
3. Clean, regap, test, and rotate 12 sparkplugs
4. Check mag timing

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

Eric Amundson AP: A

RH ENGINE

Mar 07, 2017 - N303TL - Engine Continental LTSIO-520-AE / SN-246739-R

Cleaned, lubed and serviced engine as per FAR 43 app D, with AC43.13 and Cessna Service manual.

Cleaned, gapped and rotated plugs. Replaced oil filter. Replaced oil Phillips XC20/50.

Engine run with all indications normal and no leaks observed.

No recurring AD's at this time. See permanent records for AD compliance.

Airframe	TT	5404	Hobbs	2650
Eng RH	TT	894	SMOH	n/a

Compressions, Ref 80psi #1 / 62 - #2 / 64 - #3 / 61 - #4 / 62 - #5 / 63 - #6 / 51

I certify that this engine has been inspected in accordance with an Annual inspection, and was found to be in an

Gary A. Wanner

02/Jan/2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority specified in Block 1.

Statements in Blocks 13 and 14 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification in national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

SERVICEABLE

MFGR. NAME C.M.I
COMPONENT CYL. ASSY.
MODEL LT510520AE
SERIAL NO. PMA 2514
STD. STEEL BORE

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. 2514
DATE 6/12/18
SIGNED [Signature] P [Redacted]

**PINE MOUNTAIN
AVIATION LLC**

DANBURY, CT 06810

Approving Civil Aviation
Authority/Country:
FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

517129

4. Organization Name and Address

Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615

PC #508

5. Work Order/Contract/Invoice Number:

624166

0000242563

6. Item:

7. Description

8. Part Number:

9. Quantity:

10. Serial Number:

11. Status/Work:

1

PIN & PLUG ASM-PISTON

630046

1500

N/A

NEW

12. Remarks:

AIRWORTHINESS APPROVAL

13a. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data and are in condition for safe operation.

☐ Non-approved design data specified in Block 12.

☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

559272991

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

Gary A. Wanner

13e. Date (dd/mm/yyyy):

02/Jan/2018

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14) | Ship #: 8006454096 | Line: 20 | 7364752317 | Qty: 1 | CPO: 8078

ing Civil Aviation
ity / Country:

UNITED STATES

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

S165085

ganization Name and Address:

AM Aircraft, LP 7505 Karl May Dr. Waco, TX 76708 (PQ0399SW)

5. Work Order / Contract / Invoice Number:

PLS165085

Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work
1	CLAMP	2274-40	1 EA	N/A	NEW

12. Remarks:

Airworthiness Approval:

"THIS PMA PART(s) IS NOT A CRITICAL COMPONENT".

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation
☐ Non-approved design data specified in Block 12.

14a.

☐ 14 CFR 43.9 Return to service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service

13b. Authorized Signature

13c. Approval / Authorization No.:

213416406

14b. Authorized Signature:

14c. Approval / Certificate No:

13d. Name (Typed or Printed):

Hope Valentine

13e. Date (dd/mm/yyyy):

01 OCT 2018

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs 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 aircraft engine(s)/propeller(s)/articles(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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.

NSN:0052-00-012-9005

Approving Civil Aviation
Authority/Country:

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

533271

4. Organization Name and Address

Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615

PC #508

5. Work Order/Contract/Invoice Number:

662359

0000258101

6. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	CYL & VALVE ASSY LOADED	658593A3	2	See Block 12	NEW

12. Remarks:

AIRWORTHINESS APPROVAL

Serial/Batch Number(s):

Serial	Description
AC18AC096	CYL & VALVE ASS
AC18AC145	CYL & VALVE ASS

13a. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data and are in condition for safe operation.

☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

313635059

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

Richard Denny

13e. Date (dd/mm/yyyy):

20/Sep/2018

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
7/18/18	1075		1075		Changed oil w/ 89+5 Phill 20w50 x/c, changed oil filter CH48109-1, CK mags, clean servo screen, clean + gap plugs. Comp CK 1) 52 2) 60 3) 61 4) 50 5) 58 6) 48. Replaced all spark plugs (6) w/ new, p/n URHB32E, Tempest brand. Test run engine ops CK OK. 7/18/18 [Redacted Signature] for BGR558C
Hobbs 2831					I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and found to be airworthy Berkshire Aviation Ent. Inc FAA approved repair station No. BPR0008C Repair order or file No. <u>7295</u> [Redacted Signature] 7/18/18 Signed _____ Date _____
10/18/18					Replaced cyl #4 with new cyl assembly p/n 658593A1 & pin 630046. Removed & reinstalled cyl #6 after repair from Pine with Aviation due to low compression. See C130 4th date. Replaced turbo clamp 2274-40 due to looseness. Changed oil w/ 89+5 Phill 20/50XC. Replaced Alternator Belt with new p/n 642759. Test run engine ops CK OK. 10/18/18 [Redacted Signature] BGR558C
The aircraft, aircraft engine, airframe, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. <u>7367</u> Dated <u>10/18/18</u> Signed _____ Berkshire Aviation Ent/Inc No. BPR558C					

Date

SIA
SouthTecAviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SALISBURY, NC 28147
INFO@SOUTHTECAVIATION.COM

Maintenance Record

ess Directives, Special Inspections,

Brought Forward

Date: July 17, 2019 | Right Engine | TSIO-520-AE3 | S/N: 246739-R | Reg: N303TL
Hobbs: 2932.1 hrs. TSMOH: 1165.9 hrs.

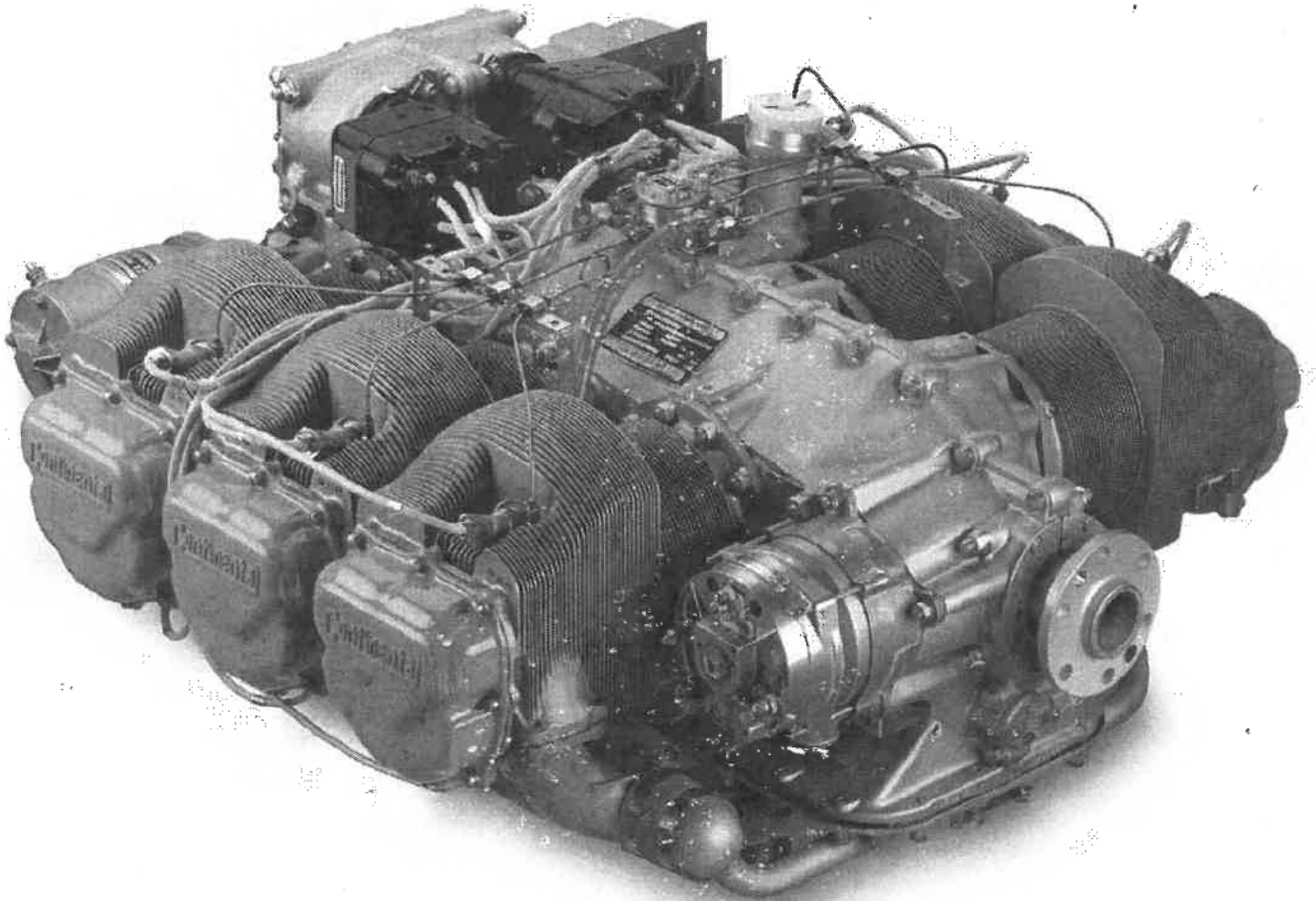
No AD's due at this time. Borescoped cylinders Compressions: 1). 65/80, 2). 55/80, 3). 69/80, 4). 80, 5). 70/80, 6). 70/80. Drained oil, cut open filter, and inspected for metal, none noted at this time. Filled with six quarts of Aeroshell w100 Plus oil. Installed new Tempest oil filter, P/N: AA48109. Cleaned and gapped spark plugs. Lubed engine controls. Degreased engine compartment. Fuel set up checked using SID97-3E. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. //END//

Michael S. Doud

A&P A

Lt Engine 303TL

ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model

TS10520AE3B

Engine Serial Number

246241

Testing Completed

Standard Acceptance Test:

Date of Completion 2-13-08 Test Operator 31559



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 02/16/2008

This engine model TS10520AE3, Serial No. 246241 - R was manufactured on 02/13/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY
PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			
	Hrs.	Min.	Hrs.	Min.				

LOGBOOK ENTRY

05/02/08	Hobbs	1766.2	Total:	0.0	SMOH:	0.0	M/N:	TSIO-520-AE	S/N:	246241-R	N303TL
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1. Install this engine in N303TL Cessna T303 SN 286 using new engine shock mounts.
2. Fill sump with 8 qts Aeroshell 80 straight mineral oil.
3. Test run and set fuel pressures per SID97-3D.
4. Test run and fly and check for proper operation.

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

Eric Amundson

AP [REDACTED]

6/18/08	Hobbs	1789.8	Change oil and filter Fill sump with 8 Qts Phillips 20W50 oil	[REDACTED]
12/8/08	Hobbs	1835.6	Change oil and filter Fill sump with 8 Qts Phillips X/c 20W50 oil	[REDACTED]

LOGBOOK ENTRY

07/01/09	Hobbs	1864.4	Total:	98.2	SMOH:	98.2	M/N:	TSIO-520-AE	S/N:	246241-R	N303TL
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1. Differential compression test #1-76/80, #2-69/80, #3-72/80, #4-74/80, #5-71/80, #6-70/80
2. Change oil and filter. Check for metal OK Fill sump with 8 qts Phillips XC 20W50 oil.
3. Clean and regap 12 sparkplugs.

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

Eric Amundson

AP [REDACTED]

1/5/2010	Hobbs	1902.6	Change oil and filter Fill sump with 8 Qts Phillips X/c 20W50 oil	[REDACTED]
4/28/10	Hobbs	1931.4	Change oil and filter Fill sump with 8 Qts Phillips X/c 20W50 oil AP	[REDACTED]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
FAA Certified Repair Station X1AR676H					515-965-1020 3700 SE Convenience Blvd Ankeny, Iowa 50021 W/O 10-4964
L.H. Engine Logbook Entry 5 Nov. 2010 N303TL Hobbs 1993.8- Removed and installed a serviceable L.H. Starter, P/N 655566H 24V, S/N 198. Operated normal.					
Michael J. Lossner Chief Insp. FAA [Redacted]					
FAA Certified Repair Station X1AR676H					515-965-1020 3700 SE Convenience Blvd Ankeny, Iowa 50021 W/O 10-4970
L.H. Engine Logbook Entry 11 Nov. 2010 N303TL Hobbs 1999.2- Removed L.H. Starter, P/N 655566H 24V, S/N 198. Installed an Overhauled P/N 646275-1, S/N H-K100206 Starter, refer to Kelley Aerospace FAA Form 8130-3 dated 12 Oct. 2010 for details. Starter operated normal.					
Michael J. Lossner Chief Insp. FAA [Redacted]					
4/22/11 Hobbs 2054.2 Change oil and filter Fill sump with 8 qts Phillips x/c 20W50 oil					

LOGBOOK ENTRY

09/14/11	Hobbs	2101.5	Total: 335.3	SMOH: 335.3	M/N: TSIO-520-AE	S/N: 246241-R	N303TL
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1. Differential compression test #1-70/80, #2-65/80, #3-70/80, #4-63/80, #5-71/80, #6-68/80
2. Change oil and filter. Check for metal OK Fill sump with 8 qts Phillips XC 20W50 oil.
3. Install 12 new RHB32E sparkplugs.

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

Eric Amundson
AP [Redacted] A [Redacted]

3/1/12 Hobbs 2139.3 Change oil and filter Fill sump with 8 qts Phillips x/c 20W50 oil							
[Redacted Signature]							

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

LOGBOOK ENTRY

9/26/12	Hobbs	2229.4	Total:	463.2	SMOH:	463.2	M/N:	TSIO-520-AE	S/N:	246241-R	N303TL
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1. Differential compression test #1-72/80, #2-60/80, #3-72/80, #4-62/80, #5-68/80, #6-64/80
2. Change oil and filter. Check for metal OK Fill sump with 8 qts Phillips XC 20W50 oil.
3. Clean and regap 12 sparkplugs.

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

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 13-6319

Left Engine Logbook Entry

4/5/2013, N303TL, Hobbs-2285.4, Drained, oil cut filter- no contamination found. Installed a new CH48109-1 filter and filled sump with 8 qts. of Exxon 20 w 50 XC oil. Inspected for leaks, ran engine- none found. Adjusted idle stop.

Robert K Miller
Chief Inspector
FAA [Redacted]

20
Convenience Blvd
va 50021
B

Continental, TSIO520-AE 3, S/N-24641-R

11/14/2013, N303TL, Hobbs-2359.9, AFTT-5103.9, LENGTT-593.7, LENGSMOH-593.7, RENGTT-593.7, RENGSMOH-593.7, LPROPTT- Unknown, LPROPSMOH-593.7, RPROPTT- Unknown, RPROPSMOH-593.7. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" and Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Cylinder compressions: 1- 72/80, 2- 53/80, 3- 71/80, 4- 54/80, 5- 60/80, 6-58/80. Removed and sent entire exhaust system to Acorn Welding under S/O # 37074, dated 11/5/2013, all risers, collectors, elbows and flanges cleaned, inspected and repaired as necessary, (see Acorn Release forms, dated 10/28/2013). Installed with new gaskets, and hardware. Checked magneto timing-Ok, removed and replaced spark plugs, P/N-RHB32E. Lubed waste gate and adjusted for proper boost. Checked AD's.

I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Robert K Miller
Chief Inspector
FAA [Redacted]

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-6803

Left Engine Logbook Entry

3/7/2014 N303TL Hobbs 2371.2 Replaced impulse coupling spring P/N 10-51324 on left magneto. Installed magneto and timed with new gasket. Op's check good

Michael D. Callison
Chief Inspector
FAA [Redacted]

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Brought Forward →

LOGBOOK ENTRY

9/26/12	Hobbs	2229.4	Total:	463.2	SMOH:	463.2	M/N:	TSIO-520-AE	S/N:	246241-R	N303TL
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1. Differential compression test #1-72/80, #2-60/80, #3-72/80, #4-62/80, #5-68/80, #6-64/80
2. Change oil and filter. Check for metal OK Fill sump with 8 qts Phillips XC 20W50 oil.
3. Clean and regap 12 sparkplugs.

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

Eric Amundson
AP3 [REDACTED]

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O13-6558

Left Engine Logbook Entry

Continental, TSIO520-AE 3, S/N-24641-R

11/14/2013, N303TL, Hobbs-2359.9, AFTT-5103.9, LENGTT-593.7, LENGSMOH-593.7, RENGTT-593.7, RENGSMOH-593.7, LPROPTT- Unknown, LPROPSMOH-593.7, RPROPTT- Unknown, RPROPSMOH-593.7. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" and Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Cylinder compressions: 1- 72/80, 2- 53/80, 3- 71/80, 4- 54/80, 5- 60/80, 6-58/80. Removed and sent entire exhaust system to Acorn Welding under S/O # 37074, dated 11/5/2013, all risers, collectors, elbows and flanges cleaned, inspected and repaired as necessary, (see Acorn Release forms, dated 10/28/2013). Installed with new gaskets, and hardware. Checked magneto timing-Ok, removed and replaced spark plugs, P/N-RHB32E. Lubed waste gate and adjusted for proper boost. Checked AD's.

I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Robert K Miller
Chief Inspector
FAA [REDACTED]

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-6803

Left Engine Logbook Entry

3/7/2014 N303TL Hobbs 2371.2 Replaced impulse coupling spring P/N 10-51324 on left magneto. Installed magneto and timed with new gasket. Op's check good

Michael D. Callison
Chief Inspector
FAA [REDACTED]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O# 14-6892

Left Engine Logbook Entry

5/14/2014 N303TL Hobbs 2387.9 Drained oil and replaced with 8 qts 20W50X/C. Removed inspected and replaced oil filter CH48109-1. No contamination found. Run up and leak checked okay.

Michael D. Callison
Chief Inspector
FAA [REDACTED]

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O # 14-7034

Left Engine Logbook Entry

8/6/2014 N303TL Hobbs-2426.8 Drained oil and cut filter- no contamination found. Installed a MS35769-11 gasket, CH48109-1 oil filter and filled sump with 8 qts. Phillips 20w50. Run up and leak check-Ok.

Michael D. Callison
Chief Inspector
FAA [REDACTED]

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
W/O 14-7257

Left Engine Logbook Entry

Continental, TSIO520-AE 3, S/N-24641-R

1/2/2015 N303TL Hobbs-2465.3 AFTT-5209.3, LENGTT-699.1 RENGTT-699.1 LPROPTT- Unknown, LPROPSMOH-699.1 RPROPTT- Unknown RPROPSMOH-699.1.. Completed 100hr./Annual Inspection I/A/W FAR 43 Appendix "D" and Exec 1 Aviation's check list. Drained oil and cut filter-no contamination found, installed a new CH48108-1 and serviced engine with 12 qts. of Phillips 20w50 oil. Cleaned, inspected and reinstalled fuel injectors. Replaced oil fill caps seal with new. Cylinder compressions: 1- 65/80, 2- 54/80, 3- 68/80, 4- 62/80, 5- 73/80, 6-60/80. Checked magneto timing-Ok, Cleaned gapped and tested and rotated sparkplugs. Checked AD's.

I Certify that this ENGINE has been Inspected I/A/W an ANNUAL INSPECTION and has been determined to be in AIRWORTHY condition.

Michael D. Callison
Chief Inspector
FAA [REDACTED]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

LOGBOOK ENTRY

2/19/16	Hobbs	2509.2	TOTAL	743	SMOH	743	M/N	TSIO-520-AE	S/N	246241-R
---------	-------	--------	-------	-----	------	-----	-----	-------------	-----	----------

1. Differential compression test #1-66/80, #2-50/80, #3-68/80, #4-62/80, #5-70/80, #6-60/80
2. Change oil and filter Check for metal OK Fill sump with 8 qts Phillips X/C 20W50 oil
3. Clean, regap, test, and rotate 12 sparkplugs
4. Check mag timing

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

Eric Amundson AP [REDACTED] IA [REDACTED]

LH ENGINE

Mar 07, 2017 – N303TL - Engine Continental, TSIO 520-AE-3 / SN-246241-R

Cleaned, lubed, and serviced engine as per FAR 43 app D, with AC43.13 and Cessna Service Manual.

Replaced oil Phillips XC20/50. Replaced oil filter. Cleaned, gapped, and rotated plugs.

Engine run with all indications normal and no leaks observed.

No recurring AD's at this time. See permanent records for AD compliance.

Airframe	TT	5404	Hobbs	2650
Eng LH	TT	894	SMOH	n/a

Compressions, Ref 80psi #1 / 74 - #2 / 72 - #3 / 75 - #4 / 67 - #5 / 72 - #6 / 71

I certify that this engine has been inspected in accordance with an Annual inspection, and was found to be in an airworthy condition at this time and date.

John Aanonsen – IA A&P # [REDACTED]

7/17/18
HOBBS 2831
TOTAL 1075

INSPECT C.M.I. TSIO520AE (3) ENGINE S.N. 246242-R FOR A PROP STRIKE. ENGINE DISASSEMBLED AND PARTS CLEANED AND INSPECTED AS NECESSARY INCLUDING, VISUAL, DIMENSIONAL AND NON-DESTRUCTIVE, CRANKSHAFT SENT TO AIRCRAFT SPECIALTIES SVS. INC FOR ULTRA-SONIC INSPECTION AND RECERTIFICATION W.O. 248271, CAMSHAFT REGROUND BY AIRCRAFT SPECIALTIES SVS. INC W.O. 248271, CYLINDERS INSPECTED AND WILL BE REPLACED WITH NEW C.M.I. ASSEMBLIES, MAGNETOS INSPECTED AND WILL BE REPLACED WITH C.M.I. BENDIX OVERHAUL UNITS, STARTER ADAPTER OVERHAUL BY PINE MOUNTAIN AVIATION L.L.C. USING SERVICEABLE SHAFT GEAR (ORIGINAL SHAFT GEAR HAD A CRACK ON WORM WHEEL JOURNAL). AFTER PERFORMING THE INSPECTIONS AND REPAIRS THE BASIC ENGINE WILL BE ASSEMBLED AS A MAJOR OVERHAUL REFERENCING X30575 OVERHAUL MANUAL, X30579A PARTS CATALOG, M-0 STANDARD PRACTICE MAINTENANCE MANUAL ALONG WIT APPLICABLE SERVICE BULLETINS USING PARTS BELOW.

NOTE: NO STARTER, ALTERNATOR, IGNITION HARNESS, AIR THROTTLE ASSEMBLY, FUEL PUMP OR FLOW DIVIDER DONE AT THIS TIME

PARTS:

6 658593A3 CYLINDER ASSEMBLIES (S.N.'S AC17FB501, AC17FB510, AC17FB519, AC17KC683, AC17KC690, AC17KC693), 6 SA630046 PISTON PIN, 2 SA643626-105 ROLLER, 2 643626-104 ROLLER, 8 SA639193 BUSHING, 8 SA643629 PLATE, 8 SA629104 SNAP RING, 6 SA536379 BOLT, 6 SA530658 BUSHING, 1 641250 SEAL, 12 SA630826 BRG., 12 655958 BOLT, 12 654490 NUT, 4 SA630464 BRG., 6 SA642720 BRG., 1 626739M001 TRANSFER COLLAR, 1 643083M015 SHAFT GEAR (SVB.), 4 SA535666 BOLT, 6 SA628488 LIFTER, 6 SA646277 LIFTER, 12 SA652541 NUT, 36 SA531001 NUT, 12 SA630979-9 O-RING, 6 SA633958-3 SEAL, 6 640612 WASHER, 12 530367 BUSHING, 10 642917-1 HOSE, 6 633958-5 SEAL, 4 SA638172 CUSHION, 6 501868 TAB-LOC, 1 641368 BRG., 1 X13041 BRG., 1 643840 BRG., 1 MS35756-3 KEY, 1 CAM643109M15 SPRING, 1 501868 TAB-LOC, 1 502287-3 SNAP RING, 1 SA646555A1 GASKET SET, 4 646288 THRUST WASHER, 1 CH48108 FILTER, 1 BL349350-5 MAGNETO S.N. F18CA136R, 1 BL349350-4 MAGNETO S.N. F17KA089R, 1 1287-1 PLUG, 1 536563 DOWEL, 4 SA350998 BUSHING, 12 URHB32E SPARKPLUG,

PINE MTN. 8971

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG		3. Form Tracking No: ASI-099438	
4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. PHONE: (918) 836-6872 2860 NORTH SHERIDAN ROAD FAX: (918) 836-4419 TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K				5. Work Order/ Contract/Invoice No. 248271	
6. Item:	7. Description:	8. Part Number:	9. Quantity	10. Serial Number	11. Status/Work
1.	CRANKSHAFT	CONTINENTAL TSIO-520AE SUBASSEMBLY	1	N02GA159	REPAIRED
12. Remarks: PERFORMED MAGNETIC PARTICLE INSPECTION IAW ASTM E1444/E1444M-16E1 DT: 01 JUN 2016 PERFORMED DIMENSIONAL CHECK IAW AS71 REPAIR SPECIFICATION 1004 DT: 30 SEP 2016 MEASURED ROD JOURNALS STANDARD, MAIN JOURNALS STANDARD IAW AS71 REPAIR SPECIFICATION 1004 DT: 30 SEP 2016 POLISHED ROD AND MAIN JOURNALS IAW AS71 REPAIR SPECIFICATION 1004 DT: 30 SEP 2016 ULTRASONIC INSPECTION IAW CMI MSB 96-10B DT: 10 AUG 2015 CRANKSHAFT VERIFIED AS VAR IAW CSB 96-8 DT: 25 JUN 1996 INSTALLED OIL CONTROL PLUG IAW AS71 REPAIR SPECIFICATION 1004 DT: 30 SEP 2016 INSTALLED BUSHINGS IN COUNTERWEIGHT BLADES IAW CONTINENTAL STANDARD PRACTICE MAINTENANCE MANUAL DT: 26 JAN 2018 INSTALLED DOWEL IAW CMI OVERHAUL MANUAL X30575A DT: DEC 2012 PART TRACKING NO: S248271-1 NOTE: AS71 = AIRCRAFT SPECIALTIES SERVICES, INC.					
13a. Certifies the items identified above were manufactured in conformity to ☐ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature		13c. Approval/ Authorization No.		14b. Authorized Signature	
13d. Name (Typed or Printed) Thomas H. Howard		13e. Date (dd/mm/yyyy) 24/Mar/2018		14c. Approval/Certificate No. DD2R764K	
		14d. Name (Typed or Printed) Harold Lehman		14e. Date (dd/mm/yyyy) 16 APR 2018	
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a 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. FAA Form 8130-3 (02-14) NSN: 0052-00-012-9005					

FAA Form 8130-3 (02-14)

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.
Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.
Statements in Blocks 13a and 14a 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.

User/Installer Responsibilities

14d. Name (Typed or Printed)
Thomas H. Howard

14e. Date (dd/mm/yyyy)
24/Mar/2018

1269CE

Work Certificate No.:

Block 12
and described in Block 12 was
in respect to that work, the items

Tracking Number:
572560
Work order/Invoice Number:
000024794
11. Status/Work:
See Block 12

FAA Form 8130-3 (02-14)

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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.

FAA Form 8130-3 (02-14)

User/Installer Responsibilities

14d. Name (Typed or Printed):
Thomas H. Howard

14e. Date (dd/mm/yyyy):
24/Mar/2018

PO1269CE

14c. Approval/Certificate No.:

Block 12
not described in Block 12 was
inspected in that work, the items

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG		3. Work Order/ Contract/Invoice No. 248271	
4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. 2860 NORTH SHERIDAN ROAD TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K		PHONE: (918) 836-6872 FAX: (918) 836-4419			
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1.	CAMSHAFT	655550	1	N/A	REPAIRED

12. Remarks:
PERFORMED MAGNETIC PARTICLE INSPECTION IAW ASTM E1444/E1444M-16E1 DT: 01 JUN 2016
PERFORMED DIMENSIONAL CHECK IAW AS^T REPAIR PROCEDURE 0812006 REV. 02 DT: 16 JAN 2018
GROUND LOBES IAW AS^T REPAIR PROCEDURE 0812006 REV. 02 DT: 16 JAN 2018
APPLIED MANGANESE PHOSPHATE IAW AS^T REPAIR PROCEDURE 0812006 REV. 02 DT: 16 JAN 2018

PART TRACKING NO: S248271-2
NOTE: AS^T = AIRCRAFT SPECIALTIES SERVICES, INC.

655550
CAMSHAFT

13a. Certifies the items identified above were manufactured in conformity to ☐ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12		14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature	13c. Approval/Authorization No.	14b. Authorized Signature	14c. Approval/Certificate No. DD2R764K
13d. Name (Typed or Printed)	13e. Date (dd/mm/yyyy)	14d. Name (Typed or Printed) Harold Lehman	14e. Date (dd/mm/yyyy) 17 APR 2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012

522560	Order/Invoice Number: 0000247794
See Block 12	

1. Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 522560													
4. Organization Name and Address Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615				FAA/PMA: PQ1269CE		5. Work Order/Contract/Invoice Number: 638046 0000247794													
6. Item: 1	7. Description MAGNETO, IGNITION RIGHT MOUNT	8. Part Number: BL-349350-5	9. Quantity: 4	10. Serial Number: See Block 12	11. Status/Work: See Block 12														
12. Remarks: Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j). This part is a subcomponent of an FAA PMA assembly. <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: left;">Serial/Block Number(s):</th> <th style="width: 15%; text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Serial</td> <td></td> </tr> <tr> <td>F18CA131R</td> <td>MAGNETO, IGNITI</td> </tr> <tr> <td>F18CA130R</td> <td>MAGNETO, IGNITI</td> </tr> <tr> <td>F18CA125R</td> <td>MAGNETO, IGNITI</td> </tr> <tr> <td>F18CA136R</td> <td>MAGNETO, IGNITI</td> </tr> </tbody> </table> RIGHT								Serial/Block Number(s):	Description	Serial		F18CA131R	MAGNETO, IGNITI	F18CA130R	MAGNETO, IGNITI	F18CA125R	MAGNETO, IGNITI	F18CA136R	MAGNETO, IGNITI
Serial/Block Number(s):	Description																		
Serial																			
F18CA131R	MAGNETO, IGNITI																		
F18CA130R	MAGNETO, IGNITI																		
F18CA125R	MAGNETO, IGNITI																		
F18CA136R	MAGNETO, IGNITI																		
(This area is intentionally left blank for use by the user/installer.)				13a. ☐ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.															
				13b. Authorized Signature: [Redacted]		13c. Approval Certificate No.: PQ1269CE													
				13d. Name (Typed or Printed): Thomas H. Howard		13e. Date (dd/mm/yyyy): 24/Mar/2018													
User/Installer Responsibilities																			
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a 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.																			

1. Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 515969	
4. Organization Name and Address Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615					5. Work Order/Contract/Invoice Number: 621565 0000241472	
6. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	MAGNETO, IGNITION LEFT MOUNT	BL-349350-4	15	See Block 12	See Block 12	

12. Remarks:
 Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).

 This part is a subcomponent of an FAA PMA assembly.

Serial/Block Number(s):	Description	Serial	Description
F17KA144R	MAGNETO, IGNITI	F17KA093R	MAGNETO, IGNITI
F17KA094R	MAGNETO, IGNITI	F17KA087R	MAGNETO, IGNITI
F17KA143R	MAGNETO, IGNITI	F17KA091R	MAGNETO, IGNITI
F17KA089R	MAGNETO, IGNITI	F17KA095R	MAGNETO, IGNITI
F17KA145R	MAGNETO, IGNITI	F17KA086R	MAGNETO, IGNITI
F17KA092R	MAGNETO, IGNITI		
F17KA084R	MAGNETO, IGNITI		
F17KA138R	MAGNETO, IGNITI		
F17KA090R	MAGNETO, IGNITI		
F17KA088R	MAGNETO, IGNITI		

LEFT

14a. ☐ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		14c. Approval/Certificate No.: PQ1269CE
14b. Authorized Signature:	14e. Date (dd/mm/yyyy): 05/Dec/2017	
14d. Name (Typed or Printed): Gary A. Wanner		

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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.

NSN-0052-00-012-9005

1. Approving Civil Aviation
Authority/Country:

FAA/United States
FAA/UNITED STATES

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

W055401-601-100

4. Organization Name and Address:

Western Skyways, Inc.
21 Creative Place
Montrose, CO 81401
WS9R575J

5. Work Order/Contract/Invoice
Number:

W055401

6. Item:
1

7. Description:
GEAR, STARTER ADAPTER
SHAFT

8. Part Number:
643083

9. Quantity:
1

10. Serial Number:
NONE

11. Status/Work:
INSPECTED

12. Remarks:

CLEANED , VISUAL, MAGNETIC PARTICAL INSPECTED AND GROUND SHAFT GEAR TO M015 IN ACCORDANCE WITH CONTINENTAL MOTORS INC. O/H MANUAL # X30575.
A COMPLETE DESCRIPTION OF WORK PERFORMED IS ON FILE AT THE ABOVE REFERENCED ORGANIZATION
UNDER THE WORK ORDER AND SYSTEM TRACKING REFERENCE NUMBER INDICATED IN BLOCK 3 AND 5.

13a. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Approval/Certificate No.:
WS9R575J

13d. Name (Typed or printed):

13e. Date (dd/mm/yyyy):

14d. Name (Typed or Printed):
TRENT TUBBS

14e. Date (dd/mm/yyyy):
10/MAY/2018

User/Installer Responsibilities

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Statements in Blocks 13a and 14a 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.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
A.D.'S 96-12-22 N.A. X NO CESSNA OIL FILTER ADAPTER INSTALLED ON THIS ENGINE C.W. 97-26-17 X CRANKSHAFT IS A VAR TYPE / ULTRA-SONIC INSPECTED I.A.W. C.M.I MSB96-10B BY AIRCRAFT SPECIALTIES SVS. INC. W.O. 248271 (DUE AT NEXT CRANKCASE SPLIT) 99-19-01 AND 00-23-21 N.A. X CRANKSHAFT S.N. (INSTALLED CRANK S.N. N02GA159) 04-08-10, 07-04-19, 14-05-29 AND 16-16-12 N.A. X INSTALLED CYLINDERS (6) WERE MANUFACTURE BY C.M.I 09-19-07 N.A. X THE C.M.I. CYLINDERS INSTALLED ON THIS ENGINE ARE NOT OF THE EQ3 TYPE 12-10-13 N.A X ENGINE MODEL TEST RUN AND FLIGHT TEST IN ACCORDANCE WITH C.M.I. SB M89-7R1 / SET UP FUEL SYSTEM IN ACCORDANCE WITH S.I.D. 97-3G / NOTE: THESE BULLETINS HAVE BEEN INCORPORATED IN CONTINENTAL P.N. M-0 STANDARD PRACTICE MANUAL DETAILS ON FILE AT PINE MOUNTAIN AVIATION L.L.C. W.O 2513 TEL. 203-730-0771 P					
7/18/18					Reinstalled engine after O/H by Pine Mountain. Changed oil w/ 8qts Phill 20w50 x/c, changed oil filter CH48109-1, ck mags, clean servo screen, clean + gap plugs. Replaced all spark plugs (6) w/ new Tempest plugs, p/n URHB32E. Test run engine. ops ck. OK. 7/18/18 Per BPGR558C
I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and found to be airworthy Berkshire Aviation Ent. Inc. FAA approved repair station No. BPGR558C Repair order on file No. <u>1725</u> Signed Date <u>7/18/18</u>					
10/18/18					Changed oil w/ 8 qts Phill 20-50 x/c, ck. oil filter, ck engine & Exhaust. Adj. Conquer Fuel Flow. Test run engine ops ck ok. 10/18/18 Per BPGR558C
The aircraft, aircraft engine, airframe, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. <u>7367</u> Dated <u>10/18/18</u> Signed Berkshire Aviation Ent. Inc. No. BPGR558C					



SouthTec Aviation
OFFICE: 704-431-6862

3330 AIRPORT LOOP
SALISBURY, NC 28147
INFO@SOUTHTECAVATION.COM

Maintenance Record

as Directives, Special Inspections,

Brought Forward

Date: July 17, 2019 | Left Engine | TSIO-520-AE3 | S/N: 246241-R | Reg: N303TL
Hobbs: 2932.1 hrs. TSMOH: 101.1 hrs.

No AD's due at this time. Borescoped cylinders. Compressions: 1). 78/80, 2). 70/80, 3). 78/80, 4). 69, 5). 78/80, 6). 79/80. Drained oil, cut open filter, and inspected for metal, none noted at this time. Filled with six quarts of Aeroshell w100 Plus oil. Installed new Tempest oil filter, P/N: AA48109. Cleaned and gapped spark plugs. Lubed engine controls. Degreased engine compartment. Fuel set up checked using SID97-3E. Maintenance performed in accordance with manufacturers' maintenance manuals. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. //END//

Michael S. Doud

A&P 3 [REDACTED] IA