

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Engine Component Information Sheet

Printed: 10/27/2007

Serial: 318030
Spec: TSI0360FB3B
New/Rebuilt: (NEW)

Assembled: 10/22/2007
Shipped:
Packed: 10/27/2007

Customer Name: AVIAL-GENERAL AVIATION

Shipping Address:

| Component | Serial Number |
|----------------|---------------|
| CAMSHAFT | Z07HA487 |
| CRANKSHAFT | N07HA478 |
| CRANKCASE | S07HA039 |
| CONNROD | AE07HA973 |
| CONNROD | AE07HA993 |
| CONNROD | AE07HA988 |
| CONNROD | AE07HB017 |
| CONNROD | AE07HA961 |
| CONNROD | AE07HA957 |
| L MAGNETO | D07IA010 |
| R MAGNETO | D07HA236 |
| FUEL PUMP | B07IA347 |
| MANIFOLD VALVE | C07IA277 |
| NOZZLE SIZE | 229 |
| METERING UNIT | A07IA273 |
| STARTER | 07 64 0100 |

| Component | Serial Number |
|--------------|---------------|
| ALTERNATOR | H100007 |
| R. TURBO | TS1007013 |
| OVERBOOST | KGN00376 |
| OIL COOLER | H07-5676-189 |
| CYLINDER-1 | AC07IA766 |
| CYLINDER - 2 | AC07IA415 |
| CYLINDER - 3 | AC07IA403 |
| CYLINDER - 4 | AC07IA381 |
| CYLINDER - 5 | AC07IA640 |
| CYLINDER - 6 | AC07IA404 |
| PSTN WGT | WM |

Pack Inspection Stamp



All of the information provided herein is subject to verification by the user. Teledyne Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

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: 10/27/2007

This engine model TSI0360FB3, Serial No. 318030 was manufactured on 10/24/2007 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



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

ENGINE DATA

1. Make Teledyne Continental
2. Model TS10360FB3
3. Specification _____
4. Manufacturer's Serial Number 318030
5. Date of Manufacture Oct 24/07
6. Aircraft Inspection Cycle _____

Section 3A: Engine Service and Maintenance Log

| DATE / / | TIME RUN | | TIME SINCE OVERHAUL | | CYCLES | | INSTALLATIONS, INSPECTIONS |
|------------------|----------|-----|---------------------|-----|-----------|-------|---|
| | HOURS | min | HOURS | min | Sub Total | TOTAL | |
| Nov 28/07 | 0 | 0 | 0 | 0 | | | Factory new engine installed engine mount kit. Engine -in. Replaced BAZ Main Air R.P.M. to specs Warmer. Ground hyd reservoir & |
| Jan 16/08 | 9 | .4 | 9 | .4 | | | |
| June 20/08 | 23 | .0 | 32 | .4 | | | 100 hr/Annual Inspection Turbo Aero checksheets #30 #6 #30. #2, #4 compression and s/n AC 08 BB008, fuel injectors cleaned was found free |
| July 2/08 | 9 | .1 | 41 | .5 | | | Oil changed Exxon |
| Dec 2/08 | 25 | .7 | 67 | .2 | | | Oil changed Exxon oil sample sent |
| Mar 25/09 | 35 | .6 | 102 | .8 | | | Oil changed found free of |
| THIS PAGE TOTALS | | | | | | | |
| PREVIOUS TOTALS | | | | | | | |
| TOTALS SINCE NEW | | | | | | | |

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

in PA28R-201T C-GAZL. All new J9613-58 serviced with Phillips XC20W50 Type M for break filter. Adjusted fuel pressure, idle mixture and idle. Installed new model 700 Safe Heat engine runs satisfactory & no leaks. Replenished re-set tire pressures

[Signature] M245528

FOSTER AIRCRAFT MAINTENANCE LTD.
77 AIRPORT ROAD, EDMONTON, ALBERTA
TRANSPORT CANADA AMO#110-95

DATE: 16 Jan 2008 REG: C-GAZL TOTAL AIRFRAME TIME: 3958.3 WO#: 4431

- 1) Engine oil changed with 7L Phillips 20W50 Type M, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) #4 CHT probe wires found loose, inspected and refastened.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

completed per CARs 625 App B9C using AS a guide #1 ^{7L}/₈₀ #2 ⁵⁶/₈₀ #3 ⁷⁴/₈₀ #4 ⁵⁸/₈₀ #5 and #6 cylinders were removed due to low replaced with factory new TC17 655478ASBP S/N AC08AB882 and AC08BC190, #2, #4, #6 oil changed Phillips XC20W50 Type M. Filter of contaminants.

[Signature]

Elite 20W50 by owner

Elite 20W50 & filter found free of contaminants for analysis.

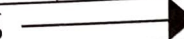

THE MAINTENANCE DESCRIBED ABOVE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS

Exxon Elite 20W50 & filter contaminants. Oil sample sent for analysis.

[Signature] M245528
M245528

Section 3A: Engine Service and Maintenance Log

INSTALLATIONS, INSPECTIONS

| DATE 1 1 | TIME RUN | | TIME SINCE OVERHAUL | | CYCLES | | |
|--|----------|-----|---------------------|-----|-----------|-------|---|
| | HOURS | min | HOURS | min | Sub Total | TOTAL | |
| BROUGHT FORWARD  | | | | | | | |
| June 12/09 | 10 | .7 | 113 | .5 | | | 100 hr/Annual using Turbo Aero due to low TIS. Fuel injectors cleaned |
| Nov 1/09 | 30 | .3 | 143 | .8 | | | Oil changed Esso |
| Jan 20/10 | 34 | .4 | 178 | .2 | | | oil changed Exxon |
| May 24 | 27 | .7 | 205 | .9 | | | Oil changed Exxon |
| June 29/10 | 7 | .9 | 213 | .8 | | | 100 hr/Annual inspection Arrow III check sheets T.I.S. Fuel injectors oil cooler winter |
| Aug 17 | 21 | .3 | 235 | .1 | | | Spark plugs changed |
| Aug 17 | | | 3 235 | .4 | | | Oil changed by owner |
| Aug 16/11 | 11 | .7 | 247 | .1 | | | 100 hr/Annual using Piper Arrow Elite. Filter found Analysis. Spark |
| Aug 18/14 | 8 | .9 | 256 | 0 | | | |
| THIS PAGE TOTALS  | | | | | | | |
| PREVIOUS TOTALS | | | | | | | |
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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

Inspection completed per CARS 625 App B&C
Checksheets as a guide. No oil change
#1 72/80 #3 78/80 #5 72/80 #6 72/80 #4 72/80 #2 78/80
& replaced 630979-Q injector O rings.

Exxon Elite 20W50 by owner

M245528

Elite 20W50 by owner.

M245528

Elite 20W50 by owner.

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completed per CARS 625 App B&C using
as a guide. No oil change due to low
cleaned & replaced related inj seals. Removed
front.

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by owner

inspection completed per CARS 625 App B&C
checksheets as a guide. Oil changed Exxon
free of contaminants. Oil sample sent for
plugs serviced & rotated.

M245528

4204.6 TAT 256.0 SMOH

Chandelle Aviation Inc.**August 18, 2014**12326 - 111th Ave Grande Prairie, AB T8V 7Z4 Ph: 780-538-3800

-100 hour/Annual inspection completed as per CARs 625 Appendix B & C using manufacturer
checksheets as a guide.

-#1 72/80 #2 78/80 #3 77/80 #4 75/80 #5 72/80 #6 65/80

-Oil changed Exxon Elite 20W50. (Owner supplied)

-Filter found free of contaminants.

-Oil sample sent for analysis.

-Spark plugs serviced and rotated

-Replaced BA3 main air filter.

-Removed Hartzell prop PHC-C3YF-1RF/F7663-4T s/n EE3583B.

-Installed factory new Hartzell PHC-C3YF-1RF s/n QG759B and new spinner per STC SA1024CH

The maintenance described above has been performed in
accordance with the applicable standards of airworthiness.

Jordie Carlson 4204.6

Section 3A: Engine Service and Maintenance Log

| DATE / / | TIME RUN | | TIME SINCE OVERHAUL | | CYCLES | |
|-------------|----------|-----|------------------------|-----|-----------|-------|
| | HOURS | min | HOURS | min | Sub Total | TOTAL |
| | | | | | | |

INSTALLATIONS, INSPECTIONS



Unit E1, 333 Noorduyn Park
 Calgary, Alberta
 T3Z 3S7
 Tele # 403-274-5800
 AMO 286-91

Klarenbach Work Order No.: 4940 and 4955

Date: March 8, 2017

Aircraft: C-GAZL

Piper: PA28R-201T

S/N: 28R-7703186 TTSN: 4222.6

Engine: TCM

Model: TSIO-360-FB3

S/N: 318030 TSOH: 274.0

Propeller: Hartzell

Model: PHC-C3YF-IRF

S/N: QG759B TSOH: 18.0

- Aircraft inspected after arrival from Eaglesham Alberta, determined to have received damage to fwd. fuselage wing spar attachment frame assy., right wing, right flap and right aileron. Removed engine and placed fuselage and damaged wing in holding fixtures in order to carry structural repairs.
- Reinstalled engine using new hardware and clamps as required.
- Replaced worn engine fuel flow tube P/N 37343-032.
- Removed left and right magnetos, send to Alberta Aero Engine for repair and 500 hr. inspection WO# 12043, reinstalled with new gaskets P/N 649954.
- Replaced mixture and throttle control rod end bearings P/N 452-606.
- Installed new engine air filter P/N BA3 and replaced rocker box gaskets P/N 655704 on cylinders #1, #2, #3 and #6
- Drained engine oil, serviced engine with 8 liters of 20W50 Phillips oil, and installed new oil filter P/N CH48108-1.
- Removed, cleaned, gapped, tested and re-installed spark plugs with new gaskets P/N M674.
- Propeller de-sludged and installed I.A.W. Piper M.M. 61-10-04 re-lubricated with Aeroshell #7 grease.
- Repaired right engine baffle #5 cylinder.
- Annual/100 hour inspection carried out as per CAR's 625 Appendix B Part 1 and CAR's 625 Appendix C applicable items, Inspection and repairs carried out using Piper PA28R-201T Maintenance Manual and Table 111-1 Inspection Report as a guide.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness, subject to satisfactory test flight.

Pertinent details of the repairs on file at this agency under the above noted Work Order No.

Signature of AME: *[Signature]*

Licence No. : M089587

7.7 281.7

281.7 SMOH

Chandelle Aviation Inc.

June 19, 2018

12326 - 111th Ave Grande Prairie, AB T8V 7Z4 Ph: 780-538-3800

-100 hour/Annual inspection completed as per CARs 625 Appendix B & C using manufacturer checksheets as a guide.

-#1 68/80 #2 77/80 #3 71/80 #4 77/80 #5 64/80 #6 72/80

-Oil changed Phillips XC20W50

-Replaced BA3 main air filter.

-AA48108 Filter and screen found free of contaminants.

-Spark plugs serviced and rotated.

-Adjusted mixture control to reach full travel.

-CF90-03-R2 heat muff c/w and no defects. (150 hr./annual repetitive)

-76-07-12 Bendix ignition switch c/w and no defects.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

[Signature]
 Jordie Carlson M245528

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|--|--|---|--|--|--|
| 1. Approving national aviation authority/country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | 3. Form tracking No. 1340 | |
| 4. Approved organization name and address Alberta Aero Engine Ltd. #11 Airport Road, Edmonton, Alberta T5G 0W6 | | | | 5. Work order / contract / invoice 12043 | |
| 6. Item | | 7. Description | | 8. Part No. | |
| 1 | | Magneto S6LSC-25 | | 10-500556-3 | |
| 2 | | Magneto S6LSC-25 | | 10-500556-3 | |
| | | 9. Qty | | 10. Serial / Batch No. | |
| | | 1 | | D07IA010 | |
| | | 1 | | D07HA236 | |
| | | 11. Status | | Repaired | |
| | | | | Repaired | |

12. Remarks

Item 1 - Magneto repaired to standards of 500 hr inspection IAW Bendix manual X42002-3. Disassembled IC cam assembly and spring damaged; mandatory hardware & replacement items RFS. Coil and capacitor tested within acceptable tolerances, bearings ok, contact points ok, distributor gear and block assembly ok. Acceptable items cleaned, block treated IAW manual. Magneto re-assembled; new carbon brush, IC cam assembly, spring, felts and hardware installed. Bench tested - online 100 rpm, IC disengage 355 rpm; max 3600. Drive nut torqued to 25.0 ft lbs and pinned.

Item 2 - Magneto repaired to standards of 500 hr inspection IAW Bendix manual X42002-3. Disassembled IC cam assembly and spring damaged; mandatory hardware & replacement items RFS. Coil and capacitor tested within acceptable tolerances, bearings ok, contact points ok, distributor gear and block assembly ok. Acceptable items cleaned, block treated IAW manual. Magneto re-assembled; new carbon brush, IC cam assembly, spring, felts and hardware installed. Bench tested - online 100 rpm, IC disengage 365 rpm; max 3600. Drive nut torqued to 24.8 ft lbs and pinned.

| | | | |
|---|--|---|--|
| 13a. Certifies that the items identified above were manufactured in conformity to: | | 14a. | |
| <input type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 12. | | <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 12. | |
| 13b. Signature | | 14b. Signature | |
| | | <i>L Boogmans</i> | |
| 13c. Approved Organization Number | | 14c. Approved Organization Number | |
| | | AMO 274-91 SCA #2 | |
| 13d. Name | | 14d. Name | |
| | | Lance Boogmans-Smutt | |
| 13e. Date (dd/mmm/yyyy) | | 14e. Date (dd/mmm/yyyy) | |
| | | 11-Jan-2017 | |

User / Installer Responsibilities

1 This document does not constitute authority to install the part.

2 Installers working in accordance with the national regulations of a country other than that specified in block 1, must ensure that their regulations recognize certifications from the country specified.

3 Statements in blocks 13a and 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft is flown.

16-Feb-2009 *Installer must cross-check eligibility with approved data

Jordie Carlson

Jordie Carlson M245528

Section 3A: Engine Service and Maintenance Log

| DATE / / | TIME RUN | | TIME SINCE OVERHAUL | | CYCLES | | INSTALLATIONS, INSPECTIONS |
|-----------------|----------|-----|------------------------|-----|--------------|-------|----------------------------|
| | HOURS | min | HOURS | min | Sub Total | TOTAL | |
| BROUGHT FORWARD | → | | | | | | |

287.9 SMOH Chandelle Aviation Inc.
August 6 2019 12326 – 111th Ave Grande Prairie, AB T8V 7Z4 Ph: 780-538-3800
 -100 hour/Annual inspection completed as per CARs 625 Appendix B & C using manufacturer checksheets as a guide.
 -#1 74/80 #2 78/80 #3 73/80 #4 72/80 #5 69/80 #6 73/80
 -Cylinder borescope inspection carried out and no defects.
 -No oil change due to low TIS.
 -Spark plugs serviced and rotated.
 -Installed (12) new M674 spark plug gaskets.
 -Fuel injectors cleaned and replaced related seals.
 -Replaced BA3 main air filter.
 -CF90-03-R2 heat muff c/w and no defects. (150 hr./annual repetitive)
 -76-07-12 Bendix ignition switch c/w and no defects.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.


 Jordan Carlson M245528

310.9 SMOH Chandelle Aviation Inc.
Nov 8, 2019 12326 – 111th Ave Grande Prairie, AB T8V 7Z4 Ph: 780-538-3800

- Oil changed (7Qts) Phillips XC 20W50.
- AA48108-2 filter found free of contaminants.
- Ground runs satisfactory and no leaks or defects.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.


 Jordan Carlson M245528

315.6 SMOH Chandelle Aviation Inc.
January 23, 2020 12326 – 111th Ave Grande Prairie, AB T8V 7Z4 Ph: 780-538-3800

- Removed original Stewart Warner mechanical tachometer, tach cable and housing, and p/n 640925 tachometer drive reduction adapter.
- Installed new Electronics International R-1-6 electronic tachometer s/n 241232 per 01 0517911 installation manual and STC SA5924NM
- No instructions for continued airworthiness needed for this installation.
- Weight and balance/equipment list amended.
- Installed new fuel flow placard due to instrument relocation.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.


 Jordan Carlson M245528

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TOTALS SINCE NEW

Section 3A: Engine Service and Maintenance Log

| DATE / / | TIME RUN | | TIME SINCE OVERHAUL | | CYCLES | |
|-------------|----------|-----|------------------------|-----|-----------|-------|
| | HOURS | min | HOURS | min | Sub Total | TOTAL |

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INSTALLATIONS, INSPECTIONS

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