verify proper on test

ccurs after

or fuel

en end
rd. Flush
gallon of

This engine model 750B37, Serial No. 8297, was manufactured on 12-12-5, by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

sil.

TELEDYNE CONTINENTAL MOTORS

TELEDYNE CONTINENTAL MOTORS
Aircraft Products

## **ENGINE DESCRIPTION**

|                       |  |                        | -  |          | N551DB<br>S/N: E3158<br>AIRFRAME T |
|-----------------------|--|------------------------|----|----------|------------------------------------|
| TYPE                  | MODEL  | SERIAL NO.             | 1  |          |                                    |
| RATED H.P.            | MAXIMUM H.P.   | ·                      |    |          | DRAINED OI<br>AEROSHELL            |
|                       |  | OIL PRESSURE           | -  |          |                                    |
| BORE                  | STROKE   | DISPLACEMENT CU. IN    | 1  |          |                                    |
| COMPRESSION RATIO     |  | GEAR RATIO             | -  |          |                                    |
| BLADE DESIGN G82NDB-2 | HUB DESIGN D3A32C409C BLADE SERIAL NO. RMO19/RH024 MAXIMUM BLADE H.P | BLADE SERIAL NO. RYO30 |    |          |                                    |
|                       | CITY   |                        | BR | OUGHT FO | DRWARD DTALS                       |

| DATE  | R.P.     | м.  |      | IME O |       |      | TIME I<br>AIR | N     | TOTAL  | TIME   | REPAIRS - ADJUSTMENTS   | SIGNATURE  | LICENSE |       | R.P.     | .м. |
|-------|----------|-----|------|-------|-------|------|---------------|-------|--|--|---|--|---------|-------|----------|-----|
|       | Ground   | Air | Hrs. | Min.  | Total | Hrs. | Min.          | Total | Hrs.   | Min.   |   |  | NUMBER  | DATE  | Ground   | A   |
|       |          |     |      |       |       |      |               |       | Cyl<br>Cle<br>Ch'<br>Cha<br>Reg<br>Sec<br>New<br>Tio | SMOH Linde L | 109 Tach reads 122 hr 1903.8 hrs. 10 cr compression ck'd, 10 dapped spark plugs. 10 dair filter. 10 dair filter. Cleane 11 daccessory oil drain 12 left exhaust tail plans in mixture conton 13 all engine control 14 washed, ck'd for lead 15 operation. 16 Inspection completed 17 irworthy. 18 brandt IA | found 9#  ed fuel  in plug.  pipe.  crol arm  cables.  aks and |         |       |          |     |
| BROUG | HT FORWA | RD  |      |       |       |      |               |       |  |  | <u></u>   |  |         | BROUG | HT FORWA | ARD |
|       | TOTAL    | S   |      |       |       |      |               |       |  | -  |   |  |         |       | TOTAL    | S   |

**ENGINE LOG** TIME ON TIME IN R.P.M. LICENSE TOTAL TIME SIGNATURE GROUND AIR DATE NUMBER LICENSE REPAIRS - ADJUSTMENTS SIGNATURE NUMBER Ground Air Min. Total Min. Total Hrs. Min. Hrs. hrs. 5/21/2010 Tach reads 159 TSMOH9407 1, found or -Cyl comp. #1-58, 2-60, 3-58, 4-70, -Js. 5-68,6-66/80. lg. Cleaned/gapped spark plugs. Checked magneto/engine timing. aned fuel Cleaned fuel screens. Replaced air inlet filter. cain plug. Dressed and painted propeller. l pipe. Changed oil and filter. ontrol arm Serviced battery. ol cables. Engine washed, run and checked. eaks and Returned to service after Annual Inspection. :ed and Don Gerbrandty IA **BROUGHT FORWARD TOTALS** 

|       |          |     |      |          |                                     |  |   |   | HOINE   | LUU                       |  |           |         |        |         |
|-------|----------|-----|------|----------|-------------------------------------|--|---|---|---|---------------------------|--|-----------|---------|--------|---------|
| DATE  | R.P.     | .м. | 1    | IME O    |                                     |  | TIME IN   | ۱,  | TOTAL   | TIME                      | REPAIRS - ADJUSTMENTS  | SIGNATURE | LICENSE | DATE   | R.P     |
|       | Ground   | Air | Hrs. | Min.     | Total                               | Hrs.   | Min.  | Total   | Hrs.  | Min.                      |  |           | NUMBER  |        | Ground  |
|       |          |     |      |          | Com Cy1 Cha Cle Cle C/W Eng Eng ser | plet<br>inde<br>nged<br>aned<br>AD2<br>ine/<br>ine<br>vice | ed 1<br>r co<br>fue<br>/gar<br>007-<br>magr<br>wash | l00hr<br>omp:<br>land<br>e1 sc<br>oped<br>-08-0 | /Annu<br>#1-55<br>filt<br>reens<br>spark<br>4 pro<br>timin<br>run a | ial :  o,2-!  cer.  opeli | hrs 982.8 TSnew Inspection, 55,3-65,4-55,5-50,6- ags. Ser visual insp due necked OK. Schecked OK, returned | 2656      |         |        |         |
| BKOUG | HT FORWA |     |      | $\vdash$ |                                     |  |   |   |   |                           |  |           |         | BROUGI | HT FORW |

6.

ENGINE LOG TIME ON TIME IN R.P.M. TOTAL TIME LICENSE GROUND SIGNATURE AIR DATE LICENSE NUMBER REPAIRS - ADJUSTMENTS SIGNATURE Ground Air Hrs. Min. Total Min. Total NUMBER Hrs. Hrs. Min. ∋w 5/8/2012 Tach reads 229 hrs TSN 1010.8 hrs ,6-65/80-Completed engine 100/annual inspection. Cylinder compression:#1-54,2-60,3-60,4-60,5-70,6-60/80. ıe 2656. Changed oil and filter. (AS 15w50) Removed both magnetos, inspected and replaced contact assemblies, (500 hg. inspection)

Reassembled and reinstalled with correct timing. ned fo Engine run and seturned for service. BROUGHT FORWARD TOTALS

| DATE   | R.P.     | м.  |      | IME O |                               |                            | TIME I<br>AIR                                | N  | TOTAL                                    | TIME                     | REPAIRS - ADJUSTMENTS   | CICALATURE     | LICENSE | -     | R.P.      | . M. |
|--------|----------|-----|------|-------|-------------------------------|----------------------------|--|--|--|--------------------------|---|----------------|---------|-------|-----------|------|
|        | Ground   | Air | Hrs. | Min.  | Total                         | Hrs.                       | Min.   | Total  | Hrs.                                     | Min.                     | KEFAIRS - ADJUSTMENTS   | SIGNATURE      | NUMBER  | DATE  | Ground    | A    |
|        |          |     |      |       | Cylii<br>Chai<br>Clea<br>Engi | nder c<br>nged c<br>ned fu | o Engole<br>omp<br>oil ar<br>uel so<br>isheo | gine 10<br>:#1-62<br>nd filte<br>creen,<br>d, run <i>a</i> | 00hr/Ai<br>,2-64,3<br>r (aero:<br>clean/ | nnual<br>-68,4-<br>shell | rs. TSREM 1032.8hrs. Inspection. 78,5-70,6-68/80. 15w50) park plugs, check timing. I for service. |                |         |       |           |      |
| BROUGE | IT FORWA | RD  |      |       |                               |                            |  |  |  |                          |   | ' <del>-</del> |         | PROUG | LE FORMA  |      |
|        | TOTALS   |     |      |       |                               | L                          |  |  |  |                          |   |                |         | bkO0G | HT FORWAI |      |

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| SIGNATURE    | LICENSE<br>NUMBER                                | DATE        | R.P          | .м. |              | ROUN   |                 |                 | TIME I        | Ν          | TOTAL   | TIME  | REPAIRS - ADJUSTMENTS         | SIGNATURE    | LICENS       |
|--------------|--|-------------|--------------|-----|--------------|--|-----------------|-----------------|---------------|------------|---------|-------|-------------------------------|--------------|--------------|
|              | TAOMIDER   | 5,112       | Ground       | Air | .Hrs.        | Min.   | Total           | Hrs.            | Min.          | Total 🐔    | Hrs.    | Min.  | REPAIRS ADSOSTMENTS           | SIGNATORE    | NUMBE        |
|              |  |             |              |     |              |  |                 |                 |               | ا<br>جد شب |         |       | مست بسبه المحالية وما يعرف بي |              | -            |
|              |  |             | ļ            |     |              |  |                 |                 |               |            |         |       | •                             |              |              |
|              |  |             | <del> </del> |     |              | Dor  | nair Ll         | _C 5/1          | 3/20          | 14 N6      | 150X    | Tach  | 257 hrs. TSN 1038.8 hr        | <u> </u>     | <u> </u>     |
|              |  |             | <u> </u>     |     | <del></del>  | Cor  | nplete          | d Eng           | ine 1         | 100hr//    | Annual  | Insp  | ection.                       |              |              |
|              |  |             | <u> </u>     |     |              | Cyl  | inaer<br>ina cl | comp:<br>hecked | #1-t          | 58,2-50    | ,3-62,4 | -60,5 | -70,6-65/80                   |              | *            |
| ļ            | ļ <b>1</b>                                       |             |              |     |              | End  | ine ru          | ın. che         | a on.<br>ecke | d and      | returne | d for | service.                      |              |              |
| <del> </del> | <u> </u>   |             | <b>.</b>     |     |              | Dor  | Gerk            | randt           | ₹A            |            |         |       | 33111001                      |              |              |
| -            | <u> </u>   |             |              |     |              |  |                 | - (/            |               | 1          |         |       |                               |              |              |
|              | <del>                                     </del> |             |              |     |              | <b>7</b> 47                                      | ,0,0            | 2               |               |            |         |       |                               | •            |              |
|              | 1  | <del></del> | ļ            |     | Δ            | <del>                                     </del> | ja garagai      |                 |               |            |         |       |                               | <u> </u>     |              |
|              |  |             |              |     |              |  |                 |                 |               |            |         |       |                               |              | <del> </del> |
|              |  |             |              |     |              |  |                 |                 |               |            |         |       |                               | <del> </del> | -            |
|              |  |             |              |     |              |  |                 |                 |               |            |         |       |                               |              |              |
| <del></del>  | <u> </u>   | 200110      | 15.505.0     |     | ļ            |  |                 |                 |               | -          |         |       |                               |              |              |
|              |  | BROUG       | HT FORWA     |     | <del> </del> |  |                 |                 | -             |            |         |       |                               |              |              |

| ···         | <b>,</b> |     |              |              |           | ,          |           |                         | ENGINE      | LUG      |   |                                | 1                                     |        | <del></del>   |
|-------------|----------|-----|--------------|--------------|-----------|------------|-----------|-------------------------|-------------|----------|---|--------------------------------|---------------------------------------|--------|---------------|
| DATE        | R.P.     | .M. |              | IME O        |           |            | TIME I    | N                       | TOTAL       | TIME     | REPAIRS - ADJUSTMENTS                   | SIGNATURE                      | LICENSE                               | DATE   | R.P.A         |
| DAIL        | Ground   | Air | Hrs.         | Min.         | Total     | Hrs.       | Min.      | Total                   | Hrs.        | Min.     |   |                                | NUMBER                                | -      | Ground        |
|             | ļ        |     | <del> </del> | —            | l         | I          | J         | I                       | ı           | ı        |   | •                              |                                       |        |               |
|             |          |     |              |              | 7/6/201   | 15         | N6        | 150X                    |             | TC       | M 10-550 B37B                           | Engine Logbe                   | ook                                   |        | 7/25          |
|             |          |     | <u> </u>     |              | Tach H    | lours: 25  | 59 :: A   | ircraft TI              | : 2604.9    | :: #1 E  | ngine TT: 1040.8 :: #1 Propeller TT: 10 | )40.8                          |                                       |        | Com           |
| <del></del> |          |     | <u> </u>     | <b> </b>     | Compl     | eted 100   | Hour      | inspectio               | n in accord | dance w  | rith manufacturers inspection procedure | s manual.<br>Ier leakage limit |                                       |        | Che           |
|             |          |     | <del> </del> | <del> </del> | IAW T     | CM SB (    | )3-03 i:  | s 45psi.                |             |          | 3) 70 4) 68 5) 70 6) 72/80 psi. Cylind  | act tourings                   |                                       |        | 45 p<br>engi  |
| 1 _         |          |     |              | -            |           | ed oil an  |           |                         | ell 15W50.  | •        |   |                                |                                       |        | gene<br>oper  |
|             |          |     |              | 1 -          | Test ra   | n engin    | e, all o  | ps ok.                  |             |          |   |                                |                                       |        | l cer         |
|             |          |     |              |              | l certify | y that thi | s Engi    | ne has be<br>condition. | en inspec   | ted in a | ccordance with a 100 hour inspection a  | nd was determine               | · · · · · · · · · · · · · · · · · · · |        | to be         |
|             |          |     |              |              | to be i   | ii dii anv | · Citally |                         |             | Signed   |   |                                |                                       |        |               |
|             |          |     |              |              |           |            |           |                         |             |          | James Wrenn A&F                         |                                |                                       |        |               |
| <del></del> |          |     | ļ            | -            |           |            |           |                         |             | X        |   |                                | <del></del>                           |        | <del></del> ; |
|             | 1        |     | <del> </del> | <del> </del> |           |            |           |                         |             | 4        |   |                                |                                       |        | -             |
|             | <b>1</b> |     | 1            |              |           |            |           |                         |             | 14       | ENN AVIATION                            |                                |                                       |        |               |
| BROUG       | HT FORWA | ARD |              |              | Ī         | 1          | I         |                         | 1           | 1        |   |                                |                                       | BROUGH | T FORWARD     |
|             | TOTAL    | .s  | 1            |              |           | 1          | 1         |                         | 1           |          |   |                                |                                       |        | TOTALS        |

6.

**ENGINE LOG** TIME ON TIME IN TOTAL TIME R.P.M. GROUND AIR LICENSE LICENSE REPAIRS - ADJUSTMENTS SIGNATURE SIGNATURE DATE NUMBER NUMBER Air Hrs. Min. Total Hrs. Min. Total Hrs. Min. Ground 7/25/2016 N6150X TCM IO-550 B37B **Engine Logbook Engine Logbook** Tach Hours: 276 :: Aircraft TT: 2621.9 :: #1 Engine TT: 1057.8 Г: 1040.8 Completed 100 Hour inspection in accordance with manufacturers inspection procedures manual. dures manual. Checked timing and compression. 1) 66 2) 70 3) 70 4) 70 5) 64 6) 67. Leakage limit per TCM SB 03-03 is ylinder leakage limit 45 psi. Lubricated engine controls. Changed oil and filter, took oil sample. Phillips XC 20W50 oil. Replaced engine air inlet filter with new. Removed baffle retainer which was rubbing on top cowl. Replaced standby generator with overhauled unit. Part Number 36- 380048-1. Serial number 23. Test ran engine, all operations ok. No leaks. I certify that this Engine has been inspected in accordance with a 100-hour inspection and was determined on and was determined to be in an airworthy condition. Signed James Wrenn A&P BROUGHT FORWARD **TOTALS** 

|         |          |       |          |       |        |       |                |       |        |         |                          |             |         | 1         | ,                        |
|---------|----------|-------|----------|-------|--------|-------|----------------|-------|--------|---------|--------------------------|-------------|---------|-----------|--------------------------|
| DATE    | R.P      | .м.   |          | IME O |        |       | TIME II<br>AIR | N     | TOTAL  | TIME    | REPAIRS - ADJUSTMENTS    | SICNIATIDE  | LICENSE |           | West Metro<br>N6150X Co  |
| DAIL    | Ground   | Air   | Hrs.     | Min.  | Total  | Hrs.  | Min.           | Total | Hrs.   | Min.    | KELYIK2 - YDJO21WEI/12   | SIGNATURE   | NUMBER  | DATE      | 6/14/2019 H              |
| 5-4-18  | Tach     | 376.  | E        | TTS   | 01     | 158.  | 70             |       | Com    | 10 10   | ision Charles #1 8/60    | #26/50      |         |           | Performed A              |
|         | 150 F    | 4 896 | 4 #5     | 80/6  | 6 #6   | 39/4  | Chs            | nse   | مید ما |         |                          | sitter 3    | sk,     |           | rotated. Per             |
| dil     | camp     | den   | Seu      | ica   | Des    | sine  | u              | th 11 | sto a  | Ph      | Elliso XC 20 W50 oil + 6 | H 48109-1   |         | *         | Checked ma               |
| Litte   | Cle      | ened  | cras     | nea   | 146    | sted  | 201            | uk    | luas   | Char    | ked martinias Che        | kad euk     |         | rise mark | six Contine<br>GAMIjecto |
| DIO     | tem.     | Bec   | led      | in    | duc    | tion  |                | rtem  |        | re      | I induction Sil litte    | 1           | 4       | <u> </u>  | GAMIjecto                |
| ubi     | an BA    | 27113 | Che      | de    | De     | rosin | 200            | orti  | seb.   | Chec    | to Dlines posen to       |             |         |           | W&B. Che                 |
| Rep     | bleed    | all   | Mick     | le    | anu    | in 1  | امما           | essín | sens   | Zn o    | compartment, Replace     |             |         | -         | this engine              |
| dis     | in       | alve  | usin     | 11    | WS     | 65    | 2. A           | esta  |        |         | eal on rear of engin     |             |         |           | condition.               |
| PIN     | 653      | 71.8  | nosis    |       | was    | hed.  | as             | und   | nun    |         |                          | stion of le | aks.    |           | h r                      |
| no      | leak     | سررد  | tto      |       | resty  |       | ia/ l          |       | csine  | MA      | al been insperted in     | nano        | 11110   | J         |                          |
| polit   | da       | 100 h | las      | enu   | al     | linso | est            | in    | Lin    | 1 """   | evel for roters to       |             |         | ·         |                          |
|         |          |       |          | 27    | V-, C. |       |                |       | , ,    | <i></i> |                          |             |         |           |                          |
|         |          |       |          |       |        |       |                |       |        |         |                          |             |         |           |                          |
|         |          |       | <u> </u> |       |        |       |                |       |        |         |                          |             |         |           |                          |
|         |          |       |          |       |        | ,     |                |       | ž-     |         |                          |             |         |           |                          |
| DDOU'S: |          |       |          |       |        |       |                |       |        |         |                          |             |         | -         |                          |
| BROUGI  | HT FORWA |       |          |       |        |       |                |       |        |         |                          |             |         | BROUG     | HT FORWARD               |
|         | TOTAL    | ٥     | l        |       |        |       |                | 1     |        |         |                          |             |         | *         | TOTALS                   |

ENGINE-LOG

| SIGNATURE   | LICENSE NUMBER | DATE           | N615         | 0X Conti<br>2019 Hob | nental I<br>bs 455. | 2; Actt 2       | 37B: S/N<br>801.1; E | i 68297:<br>tt 1237.0 | 3<br>0; Esoh | 1237.0    |         |             |            |            |         | SIGNATURE  | LICENSE      |
|---|----------------|----------------|--------------|----------------------|---------------------|-----------------|----------------------|-----------------------|--------------|-----------|---------|-------------|------------|------------|---------|--|--------------|
| #260/57   |                |                | ] Perfor     | rmed Ani             | nual ins            | pection L       | A/W Be               | ech Ser               | vice Ma      | nual rem  | oved i  | plugs clean | ed gane    | ed and     |         |  | ,            |
| Litter 1  | ask.           |                | rotate       | d. Perton            | med cor             | npressio        | ı check #            | 1 53/80               | ) #2 55/8    | 30 #3 45  | /80 #4  | 63/80 #5 6  | 0/80 #6    | 67/80      |         |  |              |
| H 48 109-   | 1              | ļ. <del></del> | Check        | ced mag t            | iming a             | t 22 degr       | ees B.T.             | D.C. Re               | moved a      | and repla | aced ar | nalog EGT   | probe I    | Removed    | i —     | <del>                                     </del> | ,            |
|   |                |                | SIX Co       | ontinental           | I tuel no           | zzles P/I       | N 62733 <i>5</i>     | D13A a                | and insta    | alled Ger | neral a | viation Mo  | dification | ons Inc    | ,       |  | <del> </del> |
| ead eys   | 1,             | }              | <b>∣</b> GAM | Ijectors k           | cit No. (           | 3AD13A          | S/N 282              | 75 I/A/\              | W STC        | SE09217   | 7SC PI  | MA No. PC   | )821SW     | ner        | <u></u> |  | <del> </del> |
| elemen  | - 9            | <u> </u>       | GAM          | ljectors l           | nstallati           | on Instru       | ctions N             | o. IP-96              | 5-001 (R     | ev 005)   | dated   | 10/11/2002  | No cha     | nge in     |         |  | ļ            |
| mertuo  | es)            | <b>i</b>       | J ₩&B        | . Checke             | d engin             | e control       | stops and            | d lubed               | cables.      | Run-up a  | ons che | ecked good  | I certif   | v that     |         |  | <u> </u>     |
| Doil qu   | ich !          |                | this er      | ngine has            | been in             | specte <u>d</u> | /A/W an              | Annua                 | l inspect    | ion and   | was fo  | und to be i | n airwo    | rthy       |         | E  |              |
|   |                | <u> </u>       | ~ condit     | tion. Tom            | Danch.              | am AD           |                      |                       |              |           |         |             |            |            |         |  |              |
| 3 HA TALA   | 1 97           | Ä              |              | 1011. 1 011          | Deach               | om VL           |                      |                       |              |           |         |             |            |            |         |  | 1            |
|   | a de           |                |              |                      | T Deach             |                 |                      |                       |              |           |         | <b>.</b>    | ····       |            |         |  |              |
| tion  | 1 . 58         |                |              |                      | Deach               |                 |                      |                       |              |           | T       | 1           |            | - <u> </u> |         |  |              |
| asso  | Luce           |                |              |                      | Beach               |                 |                      |                       | ,            |           |         |             |            |            |         |  |              |
| asso  | Luce           |                |              |                      | Deach               |                 |                      |                       |              |           |         |             |            |            |         |  |              |
| asso  | Luce           |                |              |                      | Beach               |                 |                      |                       |              |           |         |             | 2          |            |         | 2  |              |
| unso  | Luce           |                |              |                      | Beach               |                 |                      |                       | ,            |           |         |             |            |            |         | ,  |              |
| unso  | Luce           |                |              |                      | Beach               |                 |                      |                       |              |           |         |             |            |            |         |  |              |
| tion of the state | Luce           |                |              |                      | Beach               |                 |                      |                       |              |           |         |             |            |            |         |  |              |
| asso  | Luce           |                |              |                      | Beach               |                 |                      |                       |              |           |         | ,           |            |            |         |  |              |
| unso  | Luce           | BROUG          | HT FORW      |                      | Beach               |                 |                      |                       |              |           |         | ,           |            |            |         |  |              |