

No. 2

N52668

*The Standard*



**ENGINE LOG**

**ASA-SE-1**

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL IO-360-A1B6d (A1B6D)

SERIAL L-17339-51A TYPE CERTIFICATE 1E10

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT N52668 - CESSNA-177RG  
SN 177RG 1241

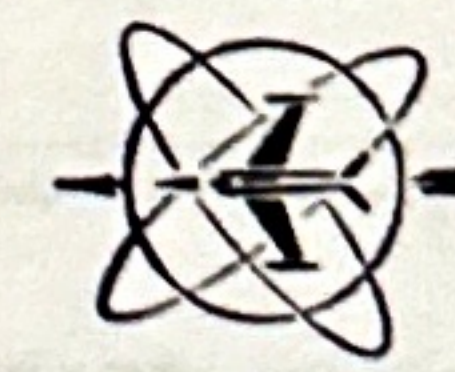
MINIMUM OCTANE FUEL \_\_\_\_\_ OIL GRADE SUMMER \_\_\_\_\_ WINTER \_\_\_\_\_

MAGNETO TIME \_\_\_\_\_ POINT SETTING \_\_\_\_\_ FIRING ORDER \_\_\_\_\_

SPARK PLUG GAP \_\_\_\_\_

MFG. RECOMMENDED OVERHAUL AT \_\_\_\_\_ HOURS.

*The Standard*



**ENGINE LOG**

DATE

19\_\_

LOGBOOK ENTRY

11/13/87

0.0 SMOH

IO-360-A1B6D

L-17339-51A

2049. Total Time

Engine given routine major overhaul. Mandatory Lycoming bulletins and applicable Lycoming A.D.'s thru issue 87-21 C/W. Chrome plated cylinders. For details of overhaul, reference work order BG-1 this agency. Engine block tested and determined airworthy. Accessories Overhauled/Supplied with engine: Magneto S/N 914399KT, Fuel Inj S/N 16352, Flow Divider S/N 68F, Starter S/N 59380, New Bendix harness, New AC41234 Fuel Pump, 8 ea New RHM38E Spark Plugs. END.

*Clydesdale Aircraft Corp.*

3850 E. 5th AVE.

COLUMBUS, OHIO

Approved Repair Station No. 2723

GENE L. SPRANG

AUTH. SIG.

| DATE     | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE                 | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|----------|---------------------|---------------|---------------------------------------|--|
| 1987     |                     |               |                                       |  |
| 11-24-87 |                     |               | TACH TIME 26.96 HRS                   | HOBBS TIME 403.2 <sup>0</sup> HRS  |
|          |                     |               | AIRCRAFT TOTAL TIME 2788 HRS          | THIS ENGINE WAS  |
|          |                     |               | INSTALLED INTO N52668                 | THIS DATE. OIL SYSTEM  |
|          |                     |               | WAS SERVICED WITH AEROSHELL 500       | NON-DIESEL OIL   |
|          |                     |               | A GROUND RUN WAS PERFORMED            | AND OPERATION  |
|          |                     |               | WAS NORMAL - REPLACED ALCORE          | EGT PROBE  |
|          |                     |               | NO3 CYLINDER. <i>Bernard J. Gross</i> | API332455  |
| 1-20-88  |                     |               | TACH TIME 38.7 HRS                    | HOBBS 414.6 - TSMOH 11.8 HRS - A/C TOTAL   |
|          |                     |               | TIME 2799.8 HRS                       | ANNUAL INSPECTION COMPLETED THIS   |
|          |                     |               | DATE, COMPRESSION CHECKED             | NO1-72%, NO2-70%, NO3-   |
|          |                     |               | 75%, NO4-73%                          | MAG TIMING CHECKED, FUEL SCREEN  |

CONT. 9



| DATE<br>19 <u>88</u> | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|----------------------|---------------------------|------------------|-----------------------------|---|
|----------------------|---------------------------|------------------|-----------------------------|---|

DATE 1-20-88 — HOURS TACH TIME 38.7 HRS

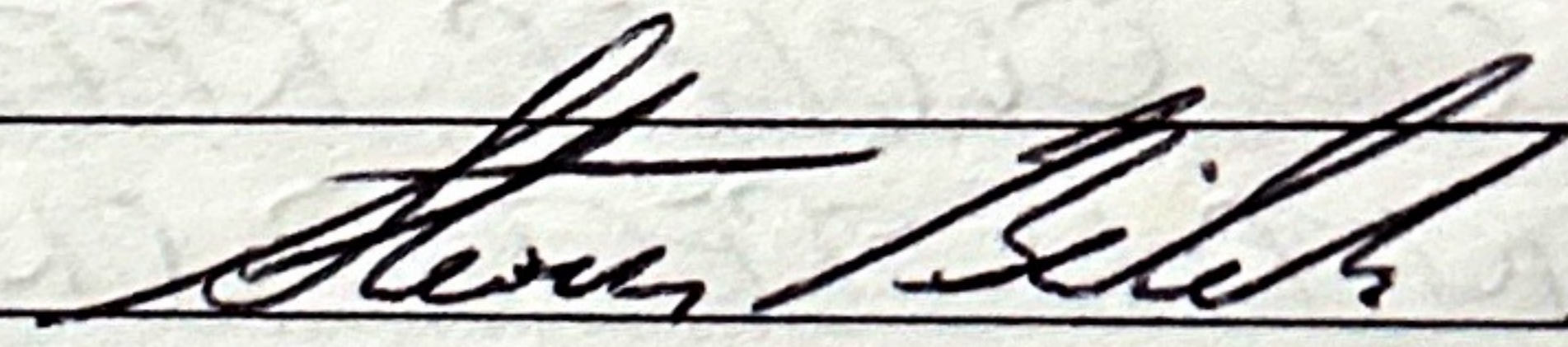
TSO 11.8 HRS.

I CERTIFY THAT THIS ENGINE HAS  
BEEN INSPECTED IN ACCORDANCE WITH  
AN ANNUAL INSPECTION AND  
WAS DETERMINED TO BE IN AIRWORTHY  
CONDITION.

SIGNED Bonny J. Innes AXP1332455 IA

4-10-88 TACH TIME 73.5 HRS, 46.6 HRS TSO. CHANGED  
OIL, DRAINED OIL COOLER, REPLACED OIL FILTER.  
OIL FILTER INTERIOR INSPECTED OK, SERVICED ENG OIL  
WITH 15W/50 AEROSHELL - GROUND RUN OK.

B. Innes AXP1332455

| DATE<br>1989 | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)   |
|--------------|---------------------------|------------------|-----------------------------|---|
| 3-3-89       | 179.76                    |                  | 153.0                       | SMOH  |
|              | Diff comp                 |                  | #1 78 #2 76 #3 78 #4 77     | , Changed oil + filter, filter found OK. Serviced with 15W50 Acrosnell Tightened loose oil dipstick housing, Secured loose right side engine baffle, installed new whistler hole on engine breather tube. Sealed leaking case half bolt near biting ring. |
|              |                           |                  |                             | I certify that this engine was inspected in accordance with an Annual inspection and have found it to be in airworthy condition at this time.   |
|              |                           |                  |                             |  ACP 320600103 I.A.  |

| DATE<br>1989 | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 6-13-89      | 221.69                    |                  | 194.73                      | SMOH  |
|              | Change                    |                  |                             | oil and FILTER, Run engine and check for leaks.   |
|              |                           |                  | ①                           | 7QTS Aeroshell 15W-50   |
|              |                           |                  | ②                           | # CFO-100 Champion Filter element   |
|              |                           |                  |                             | Daniel S. Morrissey   |
|              |                           |                  |                             | A-357-72-7260   |
| 02-12-90     | 341.44                    | —                | 3102.60                     | 314.48 T.S.M.O.H.   |
|              | 1.)                       | DIFF!            | " 72                        | 2) 76 3) 76 4) 76   |
|              | 2.)                       |                  |                             | SECURED OIL DIPSTICK HOUSING.   |
|              | 3.)                       |                  |                             | REPLACED R.H. MUFFLER SCAT TUBE.  |
|              |                           |                  |                             | I HAVE INSP. THIS ENG. IN ACCORD. W/AN ANNUAL INSP. & HAVE DETERMINED   |
|              |                           |                  |                             | IT TO BE IN AIRWORTHY CONDITION AT THIS TIME. <i>Philip C. ...</i>  |
|              |                           |                  |                             | 1910420 GA.   |





**DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS**  
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

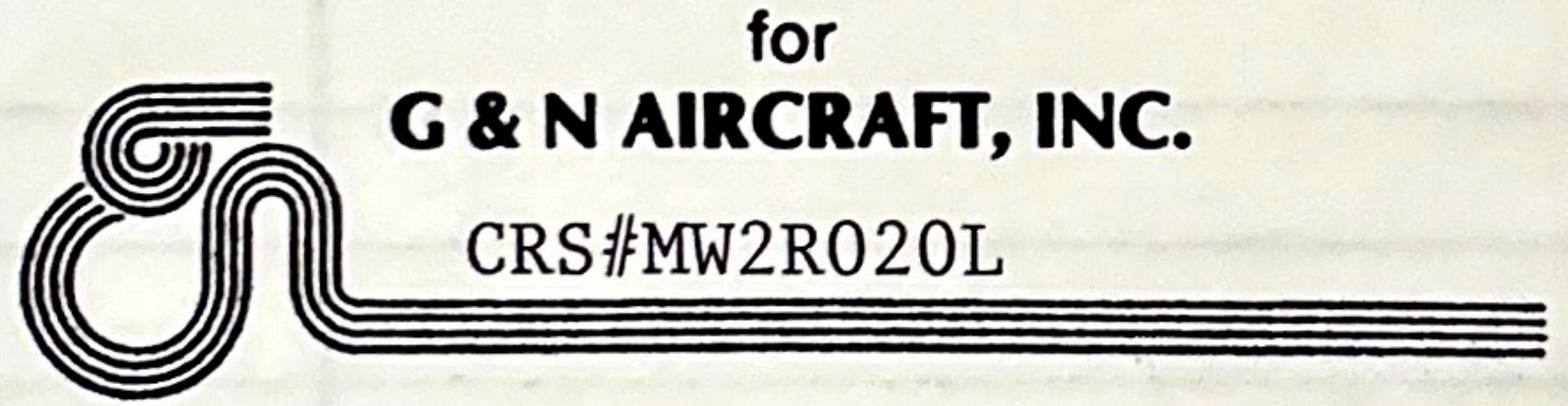
| DATE<br>19 <u>92</u> | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE |   |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 7-20-92              | 0658.8                    |                  | 631.9                       | SMOH  |
|                      |                           |                  |                             | Drained oil and changed filter. checked filter, no metal found. Installed new CPO100 filter and serviced eng. with 15W50 Aerashell. No leaks noted on run up. |
|                      |                           |                  |                             | <i>Steve Bilek</i>  |
|                      |                           |                  |                             | Steve Bilek ATP 320600103   |
|                      |                           |                  |                             |   |
|                      |                           |                  |                             |   |
|                      |                           |                  |                             |   |
|                      |                           |                  |                             |   |
|                      |                           |                  |                             |   |
|                      |                           |                  |                             |   |

| DATE | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|------|---------------------------|------------------|-----------------------------|---|
| 19__ |                           |                  |                             |   |

The aircraft and/or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order No. 45745

Engine Model I0-360-A1B6D Serial No. L-17339-51A

Date 10-9-92 Signed *Dennis W. [Signature]*



for  
**G & N AIRCRAFT, INC.**

CRS#MW2R020L

1701 East Main St., Griffith, IN 46319  
Telephone: (219) 924-7110

| DATE | RECORDING | TOTAL | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS   | CERTIFICATE NUMBER OF<br>(PER SPECIFIC ENTRIES.) |
|------|-----------|-------|--|--|
| 19__ |           |       | <p>Disassembled - Inspected - Repaired as necessary - Re-assembled and tested using the following parts: 1-#LW12944 gasket kit; 8-#75060 rod bolts; 8-#LW12186 rod nuts; 1-#AN 8-14A crank bolts; 4-#LW11021 main bearing; 8-#74673 piston ring; 4-#73998 piston ring; 8-#71907 crank plates; 8-#LW-14820 crank clips; 4-#STD2180 cyl drain hoses; 4-#73810 - counterweight bushings; 8-#72877R lifter bodies; 4-#LW14077 piston pins; 8-#LW11775 piston pin plugs; 2-#MS21919DG12 - clamp; 1-#LW11713 spring; 2-#LW13641 mag coupling; 2-#14W-21696 cw pins; 2-#72797 cw pins; 2-#72801R recon counterweights; 1-#CH48110 oil filter; 1-#1028B ball; 4-#STD2013 o'ring; 1-#MS16625-1100 ring; 1-#LW10342 oil pump body; 1-#LW10286 gear assy; 1-#LW12700 hose; 1-#LW16266-25-38 - clamp; 1-#LW12920 prop governor line; 1-#LW12347 plate; 1-#MS9144-01 gasket; 1-#IO-360 Reman Crankcase Exch; 2-#IO-360 Cylinder studs outright; 4-#MS20823-6D elbows; 6-#17C-21191 keys; 4-#72050 keys.</p> <p style="text-align: right;"><i>Dennis Murphy</i></p> <p style="text-align: center;">-----END-----</p> |  |

# AIRWORTHINESS DIRECTIVE

At date of engine overhaul September 1st, 1992

Engine model: IO-360-A1B6D

Authorized Signature *James L. Rembert*

| AD & REV# | REV DATE | APPLIC. SB# | ONE TIME | RECURRING |
|-----------|----------|-------------|----------|-----------|
| 64-16-05  |          | 298         | X        |           |
| 66-06-03  |          | 439         |          | X         |
| 66-20-04  |          | 307         | X        |           |
| 67-22-06  |          | 305B        | X        |           |
| 71-05-02  |          | 326, 327    | X        |           |
| 71-11-02  |          | 328         | X        |           |
| 73-23-01  |          | 367R        | X        |           |
| 75-08-09  |          | 381B, 385C  | X        |           |
| 75-09-15  |          | 382         | X        |           |

Continued.....

# COMPLIANCE RECORD

S/N L-17339-51A W/O 45745

C/W complied with, P/C/W previously complied with, N/A not applicable.

CRS MW2R020L James L. Hendrix

| NEXT COMPLIANCE HRS. & DATE | METHOD OF COMPLIANCE |
|-----------------------------|----------------------|
|                             | N/A                  |
| At Next Overhaul            | N/A                  |
|                             | N/A                  |
|                             | N/A                  |
|                             | N/A                  |
|                             | N/A                  |
|                             | N/A                  |
|                             | N/A                  |
|                             | N/A                  |

Continued....

# AIRWORTHINESS DIRECTIVE

At date of engine overhaul September 1st, 1992

Engine model: IO-360-A1B6D

Authorized Signature *James R. Renda*

| AD & REV#   | REV DATE | APPLIC. SB#   | ONE TIME | RECURRING |
|-------------|----------|---------------|----------|-----------|
| 78-23-10    |          | 428, 429, 430 | X        |           |
| 79-04-05    |          | 433A          | X        |           |
| 81-18-04 R2 | 06-07-82 | 455D, 456D    | X        |           |
| 87-10-06 R1 | 09-01-89 | 477A          | X        |           |
| 90-04-06 R1 | 02-15-90 | 488A          | X        |           |
| 91-14-22    |          | 475A          | X        |           |
| 92-12-05    |          | 501B          | X        |           |
| 92-15-16    |          | CF1-92        | X        |           |
| -END-.....  | .....    | .....         | .....    | .....     |

# COMPLIANCE RECORD

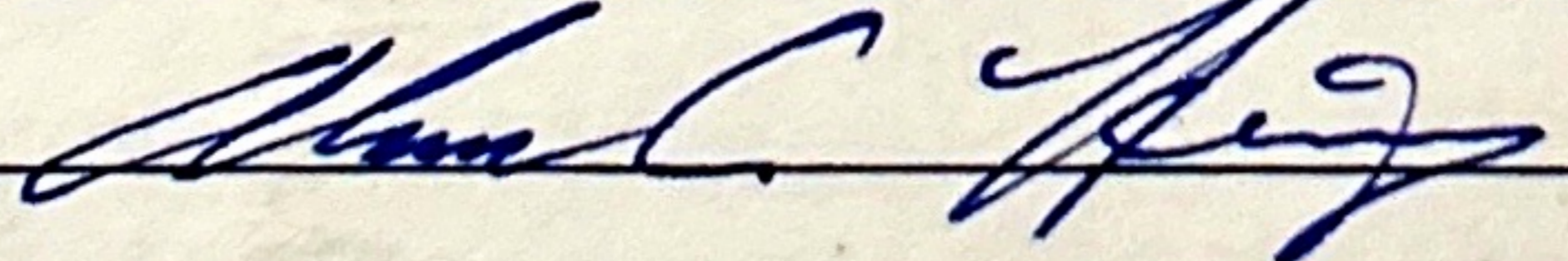
S/N L-17339-51A W/O 45745

C/W complied with, P/C/W previously complied with, N/A not applicable.

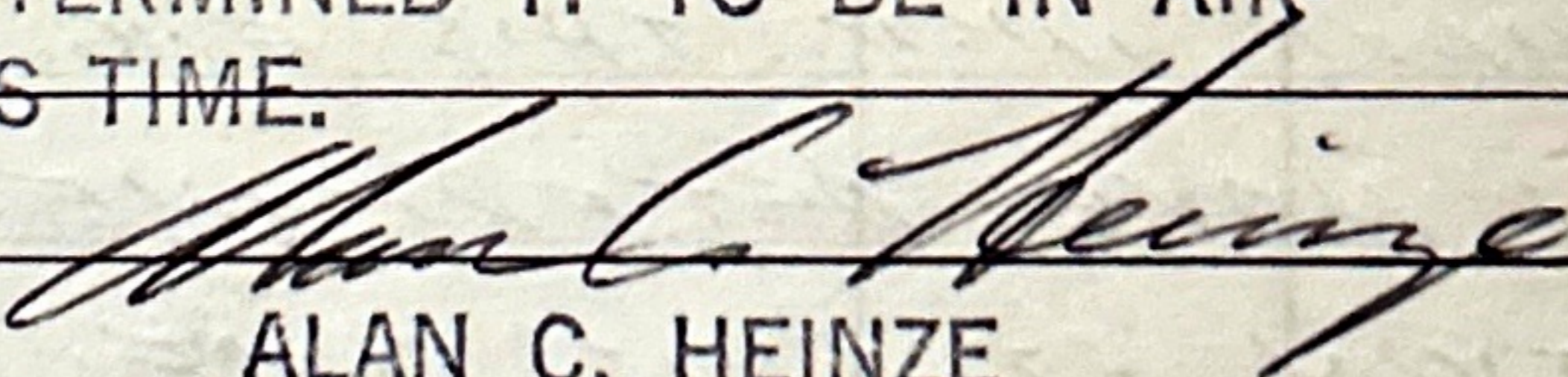
CRS MW2R020L James H. [Signature]

| NEXT COMPLIANCE HRS. & DATE | METHOD OF COMPLIANCE             |
|-----------------------------|----------------------------------|
|                             | N/A                              |
|                             | N/A                              |
|                             | P/C/W New Impellers Installed    |
|                             | N/A                              |
|                             | C/W Installed new prop gov. line |
|                             | C/W Modified Crankgear           |
|                             | N/A                              |
|                             | N/A                              |
| -END-                       |                                  |



| DATE<br>1992 | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 11-2         | 63421                     | -                | -0-                         | INSTALLED THIS ENG IN A/C N 52668<br>S/N 177R61241 IN ACCORD. W/CESSNA<br>SERV. MAN, RUN-UP ✓ + ADV. OK,  |
| 05-09<br>93  | 683.37                    | TACH.            | 49.6                        | T.S.M.O.H.  |
| 1.)          | DIKE:                     | 1) 71            | 2) 65                       | 3) 72 4) 70   |
| 2.)          | REPAIRED                  | IND.             | LEAK                        | #4 INTAKE PIPE.   |
| 3.)          | "                         | "                | "                           | PROPELLER SHROUD.   |
|              |                           |                  |                             | HAVE INSP. THIS ENG. IN ACCORD. W/AN ANNUAL   |
|              |                           |                  |                             | INSP. & HAVE DETERMINED IT TO BE IN AIRWORTHY COND.   |
|              |                           |                  |                             | AT THIS TIME.  1910420 LA  |

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 7-2-93.      | TACH                      | 726.10           |                             |   |
| 1.)          | OIL & FILTER              | CHANGE           |                             | SERVICE WITH Multigrade 15W-50<br>CUT FILTER - NO METAL FOUND -<br>Anthony J. Bonk A-P # 332529525  |
| 2394         | 835.95                    | T.T.             | 202.18                      | T.S.M.O.H.  |
| 1.)          | DIFF:                     | " 68             | 2) 72                       | 3) 70 4) 72   |
| 2.)          | SECURED                   | OIL FILLER       | TUBE.                       |   |
| 3.)          | REPLACED                  | CABIN HEAT       | SCAT HOSE.                  |   |
|              | I HAVE                    | INSP.            | THIS ENG.                   | IN ACCORD. W/AN ANNUAL<br>INSP. & HAVE DETERMINED IT TO BE IN AIRWORTHY<br>CONDITION AT THIS TIME. <i>Anthony J. Bonk</i>   |
|              |                           |                  |                             | 1910420 LA  |

| DATE<br>1995 | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 03-20        | 1001.68                   | —                | 367.91                      |   |
|              |                           |                  |                             | 1.) DIEF: 1) 74 2) 72 3) 74 4) 74   |
|              |                           |                  |                             | 2.) G/W OWNER ADVISORY OA-518A THERMOSTATIC   |
|              |                           |                  |                             | BYPASS VALVE.   |
|              |                           |                  |                             | 3.) RESEALED ALL (4) FOUR INTAKE PIPES.   |
|              |                           |                  |                             | 4.) TIGHTENED R/B COVERS.   |
|              |                           |                  |                             | 5.) REPLACED (1) ONE SPARK PLUG.  |
|              |                           |                  |                             | I HAVE INSP. THIS <del>ENG.</del> - ENG. IN ACCORD. W/AN ANNUAL   |
|              |                           |                  |                             | <del>INSPECTION</del> INSP. & HAVE DETERMINED IT TO BE IN AIR-  |
|              |                           |                  |                             | WORTHY CONDITION AT THIS TIME.  |
|              |                           |                  |                             |    |
|              |                           |                  |                             | ALAN C. HEINZE  |
|              |                           |                  |                             | A&P 1910420 I.A.  |

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 6-6-95       | 1028.85                   |                  |                             |   |
|              |                           |                  |                             | CHANGED OIL AND FILTER. CUT OPEN FILTER - NO METAL FOUND. INSTALLED   |
|              |                           |                  |                             | NEW CH 48103 FILTER. SERVICED w/ 7QTS AEROSHELL 15W50 OIL.  |
|              |                           |                  |                             | REPLACED LEAKING INTAKE GASKET ON #2 CYLINDER. LEAK ✓ ID OK   |
|              |                           |                  |                             | Peter D. Spahr A+P 172602308  |
| 12-1-95      | TACH.                     | 1090.03          | TSMOH                       | 455.82  |
|              |                           |                  |                             | CHANGED OIL & OIL FILTER, SERVICED WITH 7QTS AEROSHELL  |
|              |                           |                  |                             | 15W-50. CUT FILTER, NO METAL FOUND.   |
|              |                           |                  |                             | Anthony J. Bonk AP 332529525 F.A.   |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
|--------------|---------------------------|------------------|-----------------------------|---|

|         |  |                    |                    |                    |
|---------|--|--------------------|--------------------|--------------------|
| 3/22/96 | 1096.76  |                    | 462.99             | T.S.M.A.H.         |
| 1) Diff | 1) $\frac{75}{80}$   | 2) $\frac{77}{80}$ | 3) $\frac{78}{80}$ | 4) $\frac{67}{80}$ |
| 2)      | Changed oil + filter - cut open filter no metal found - Installed CH45103 oil filter + serviced eng. w/ Aero shell 15W50 oil     |                    |                    |                    |
| 3)      | cleaned, gapped, and Retorted spark plugs  |                    |                    |                    |
| 4)      | Retorqued all Rocker Box cover bolts   |                    |                    |                    |
| 5.      | Secured MAP Line   |                    |                    |                    |
| 6.      | Complied with AD 93-02-05- fuel inspection fuel line Insp. By Insp. Next due - at next annual                                    |                    |                    |                    |
|         | I CERTIFY THAT THIS Eng. has been inspected I.P.W AN 100hr Insp AND has been determined to be in an Airworthy Cond at this time. |                    |                    |                    |
|         | Joseph R Chiesa ATP 355749271  |                    |                    |                    |

| DATE<br>19 <u>96</u> | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 22 Mar 96            | 1096.76                   | -                | 3118.8                      | TSMOH 1069.86, TSPortial OH 462.55  |
|                      |                           |                  |                             | I certify that this engine has been inspected<br>in accordance with an Annual inspection<br>and has been determined to be in airworthy condition<br>at this time. Steve Bilek                                   |
|                      |                           |                  |                             | <del>Steve Bilek</del> ATP 320600103 IA   |
| 7-25-96              | TACH 1149.26              |                  |                             |   |
|                      |                           |                  |                             | Changed oil + oil filter - cut open filter no metal found   |
|                      |                           |                  |                             | Installed new CH 48 123 - oil filter + serviced eng w/ 7 qts of Pennzoil  |
|                      |                           |                  |                             | 15W50. Ran eng. leak led oil filter no leaks noted  |
|                      |                           |                  |                             | Joseph R Chiero ATP 355749271   |
|                      |                           |                  |                             | Joseph R Chiero   |

| DATE<br>19 <u>97</u> | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)   |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 14 Mar 97            | 1198.6                    | -                | 3220.7                      | <p>TSMOH 1171.7 TS partial OH 564.4</p> <p>Drained oil, removed and opened oil filter -<br/>No metal found. Installed CH48103 oil<br/>filter. Replenished engine with 15W50<br/>Aeroshell.</p> <p>Cleaned and regapped spark plugs. Replaced 4 spark<br/>plugs due to wear (RHM 38 E's)</p> <p>Diff Compression #1 74/80 #2 74/80 #3 76/80 #4 77/80</p> <p>Retorqued all rockerbox cover bolts</p> <p>Removed magneto for repair. Installed magneto<br/>P/N D4LN-2021 (10-382555-11) Ser # 914399</p> <p>Over hauled by RLB Accessory Service w/o 97141</p> |

continued on next page →

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
|              |                           |                  |                             | continued from previous page  |
|              |                           |                  |                             | AD 96-12-07 complied with New mag coupling  |
|              |                           |                  |                             | P/N 10-400323 Installed   |
|              |                           |                  |                             | Taxtron Lycoming SB 526 Complied with at  |
|              |                           |                  |                             | this time Steve Bilek   |
|              |                           |                  |                             | <del>Steve Bilek</del> APP 320600103 IA   |
| 14 Mar 97    | 1198.6                    |                  | 3220.7                      |   |
|              |                           |                  |                             | I certify that this engine has been inspected in  |
|              |                           |                  |                             | accordance with an Annual inspection and has  |
|              |                           |                  |                             | been determined to be in airworthy condition at   |
|              |                           |                  |                             | this time. Steve Bilek  |
|              |                           |                  |                             | <del>Steve Bilek</del> APP 320600103 IA   |





| DATE<br>19 <u>99</u> | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 5/04/99              | 1313.4                    | -                | 3335.5                      | TSMOH 1286.5  |
|                      |                           |                  |                             | Drained oil. Removed opened and inspected oil <del>cooler</del> filter;   |
|                      |                           |                  |                             | No metal noted. Installed new CH48103 oil filter and  |
|                      |                           |                  |                             | replenished engine with 15W50 Aerashell   |
|                      |                           |                  |                             | Diff compression #1 75/80 #2 74/80 #3 76/80 #4 74/80  |
|                      |                           |                  |                             | Cleaned and regapped all spark plugs  |
|                      |                           |                  |                             | I certify that this engine has been inspected in accordance   |
|                      |                           |                  |                             | with an Annual Inspection and has been determined to be   |
|                      |                           |                  |                             | in airworthy condition at this time.  |
|                      |                           |                  |                             | <del>Steve Bilek</del>  |
|                      |                           |                  |                             | Steve Bilek AEP 320600103 IA  |

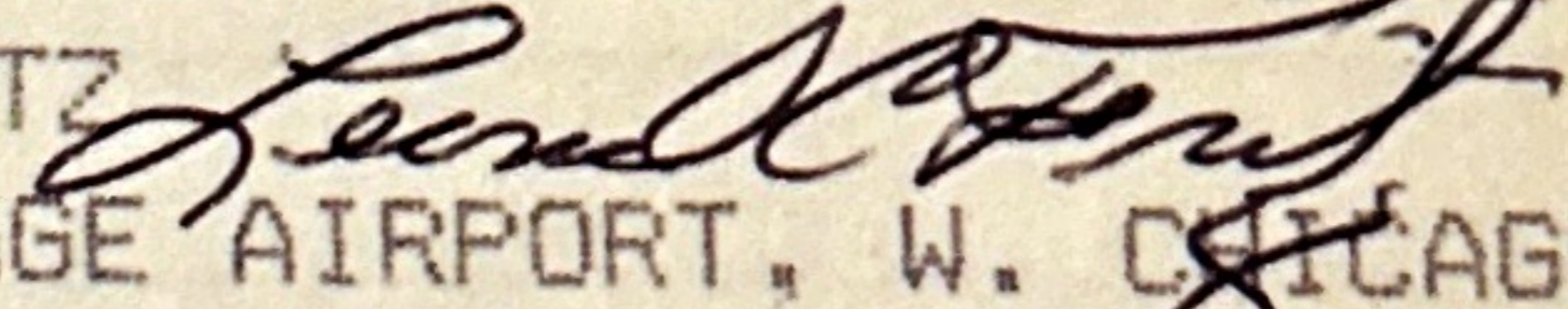
J A AIR CENTER DuPage Airport/WestChicago, IL. 60185  
Repair Station #NF2R029L ENGINE LOG #1  
Type CESSNA 177RG TT  
N # 52668 TSMOH  
S/N 177RG1241 REC. HR. METER 1376

ENGINE MODEL

ENGINE S/N

OIL AND FILTER CHANGE--

CHANGED OIL AND FILTER. OPENED AND INSPECTION THE FILTER.  
SERVICED THE ENGINE WITH 8 QTS OF 15W50 AEROSHELL OIL AND A  
NEW FILTER P/N CH48103. GROUND RAN AND LEAK CHECKED.  
THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS  
REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS  
OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO  
SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS  
REPAIR STATION UNDER W.O. # 7212 DATE: 11-24-99

SIGNED: LEONEL C. FRITZ  For  
J.A. AIR CENTER, DUPAGE AIRPORT, W. CHICAGO, IL 60185  
F.A.A. APPROVED REPAIR STATION #NF2R029L

| DATE<br>2000<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 4/28/00              | 1396.94                   |                  | 3419.04                     | TSMOH 1370.04   |
|                      |                           |                  |                             | Drained oil. Removed opened and inspected oil filter; No metal noted. Installed new CH48103 oil filter (Oil sample taken for analysis at this time.) Replenished engine with 15W50 Aeroshell.                   |
|                      |                           |                  |                             | Diff compression #1 68/80 #2 74/80 #3 67/80 #4 74/80  |
|                      |                           |                  |                             | Cleaned, gapped and rotated all spark plugs.  |
|                      |                           |                  |                             | Replaced two sparkplugs with New RHM 38 E's   |
|                      |                           |                  |                             | Secured and resafetied oil filler tube.   |
|                      |                           |                  |                             | Retorqued all rockerbox cover screws.   |
|                      |                           |                  |                             | Steve Bilek APP 320600103   |
|                      |                           |                  |                             | <del>Steve Bilek</del>  |

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 4/28/00      | 1396.94                   |                  | 3419.04                     | TSMOH 1370.04   |
|              |                           |                  |                             | I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition at this time.  |
|              |                           |                  |                             | Steve Bilek A&P 320600103 IA  |
|              |                           |                  |                             | <i>[Signature]</i>  |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |
|              |                           |                  |                             |   |

| DATE | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) | NUMBER OF ENTRIES |
|------|---------------------|---------------|-----------------------|--|-------------------|
| 19   |                     |               |                       |  |                   |

**Northwest Flyers Inc.**

**Schaumburg Regional Airport**

**N52668**

**Date-4/02/01 Tach time 1422.4 Total time-3444.5 TSMOH-1395.5**

Drained oil. Removed, opened and inspected oil filter; Checked OK. Installed new CH48103 oil filter. Serviced engine with **Aeroshell 15W50**.

Diff. Compression #1 73/80, #2 73/80, #3 74/80, #4 74/80.

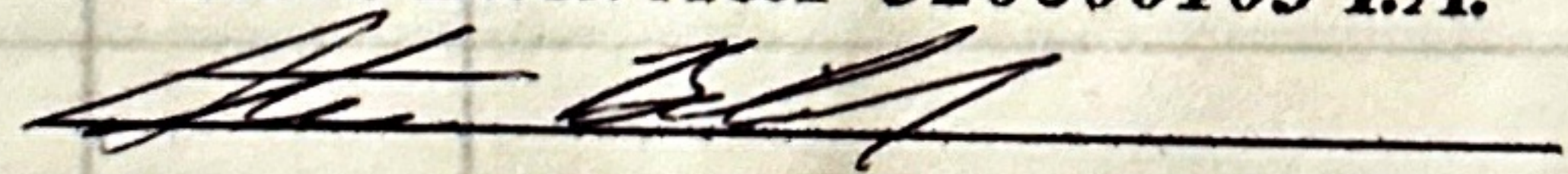
Cleaned, gapped and rotated all spark plugs

Replaced #3 cyl. rockerbox cover gasket.

Retorqued all rockerbox cover screws.

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

**Steve Bilek A&P 320600103 I.A.**



| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 10-25-01     | Tach 1438                 |                  |                             | Drain oil and change filter. did a<br>oil analysis. Service engine with 7qts<br>of 30/65 Aeroshell. Installed a Tanis<br>Heater system I/AW manufacturer instructions<br>Oil analysis came back normal.         |

Date 10-25-01 Engine Time 1438

Installed the TAS-100 preheater system S/N 33110 in  
accordance with Tanis Aircraft Services instructions  
and drawings No. 100A-1-1-73

Name Richard Trimble Mechanic# A-P 480864969

July 15, 2002

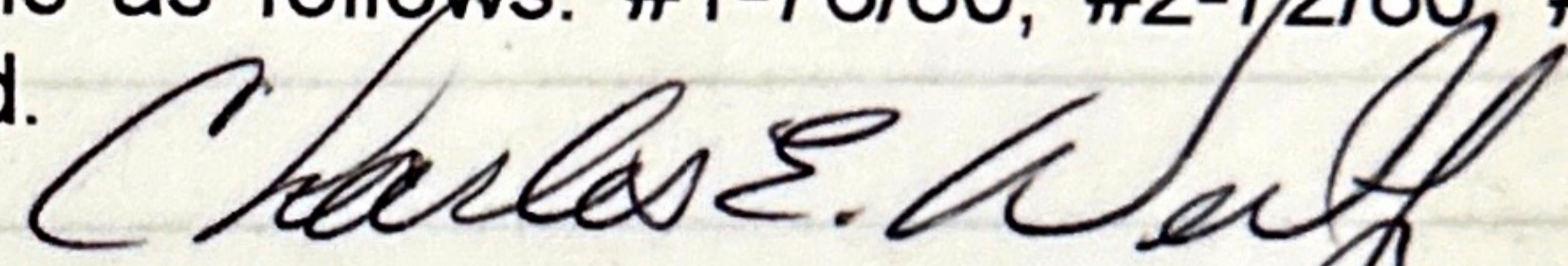
Tach: 1505.78

Eng. SMOH: 871.57

Engine Total Time: 4292.94

Prop Time Since New: 871.57

C/W AD 93-02-05 by inspection in accordance with SB 342A. Recurring action is due every 100 hours and annual. AD 2000-18-53E D/N/A. No record of the oil filter adapter plate being removed since engine O/H 9-1-92. Cleaned, gapped and rotated 7 spark plugs. Replaced 1 spark plug with a new part. Cleaned fuel injectors. Drained engine oil, drained oil cooler, inspected oil filter and suction screen. Installed a new oil filter. Replaced engine oil quick drain. Replenished oil supply with 8 quarts of Aero Shell 15W50 oil. Replaced gaskets and seals on all 4 intake tubes. Checked and adjusted the mag timing. Washed engine and lubricated engine controls. Compression is as follows: #1-76/80, #2-72/80, #3-76/80, #4-72/80. Idle and mixture adjusted.



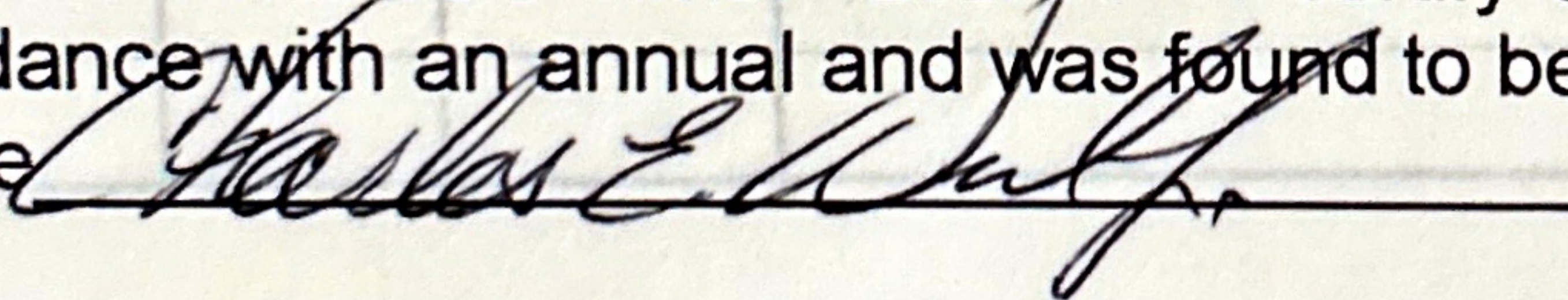
222384071 A/P

7-15-02

Total A/C Time: 4292.94

I certify this engine has been inspected in accordance with an annual and was found to be in airworthy condition.

Signature



Certificate AP 222384071 IA



| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF<br>MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
|--------------|---------------------------|------------------|-----------------------------|---|

**March 28, 2003**

**N52668**

**Tach: 1566.7**

**Engine log.**

Drained engine oil, removed and cut old oil filter, no contamination noted. Installed a new oil filter and replenished the oil supply with 8 quarts of Aero Shell W-100 oil. Installed a heli-coil in #3 intake where the threads were pulled out. Replaced the intake gasket on #3 cylinder. Ground run, ops were normal.

*Charles E. Wolf*  
2730965 A/P

|  |  |  |  |  |
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J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 P 2  
Repair Station #NF2R029L ENGINE LOG #1  
Type CESSNA 177RG TT  
N # 52668 TSMOH  
S/N 177RG1241 REC. HR. METER 1220

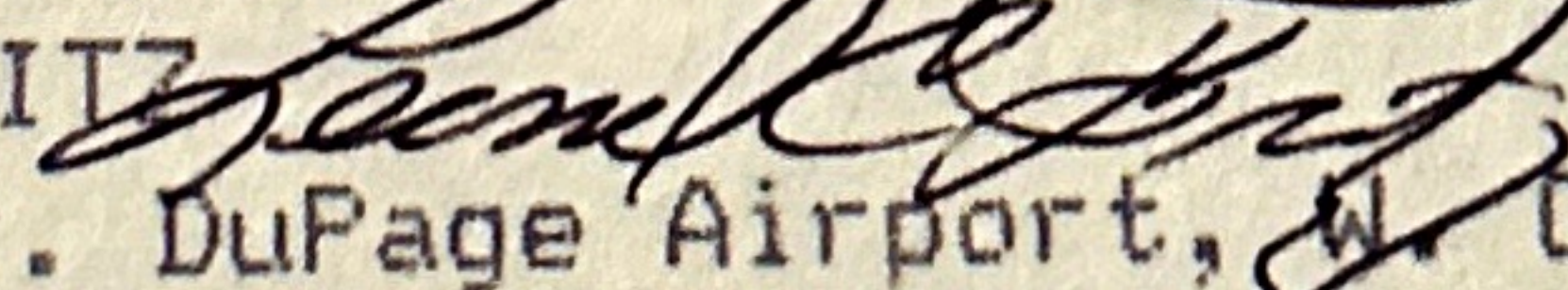
ENGINE MODEL

ENGINE S/N

Found the fuel injector servo leaking badly during gear warning repairs-

Removed the fuel injector servo P/N 2524054-4, S/N 16352 and sent to B&S Aircraft Parts for inspection. Reinstalled the injector after overhaul and update to a 2524054-11. Set the idle speed and mixture. Adjusted the gear warning cam as per Cessna 177RG service manual.

The aircraft, engine, appliance, or component identified was repaired & inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under W.O. # 4150 Date: 9-18-97

Signed: LEONEL C. FRITZ  For  
Joliet Avionics, Inc. DuPage Airport, W. Chicago, IL 60185  
F.A.A. Approved Repair Station #NF2R029L