

This is to certify that the engine described hereafter has been overhauled to the manufacturer's new parts limits. Engine disassembled, cleaned, inspected, and reassembled in accordance with manufacturer's overhaul instructions. All steel parts magnafluxed. Engine test run in F.A.A. approved test cell. All applicable Airworthiness Directives and Manufacturer's Service Bulletins are in compliance as of the date of overhaul.

A description is on file at this agency under:

Job No. 66100

Date 07/17/2009

Mfg. Continental

Model IO-470-L

Serial No. 297559-R

Time in Svc. 711.1



1701 E. Main St.  
Griffith, IN 46319  
(219) 924-7110

*[Signature]*  
Authorized Signature

C.R.S. # MW 2R020L

The Accessories Listed Below Were Overhauled and Supplied With This Engine

Engine IO-470-L

|            | Part Number        | Serial Number    |
|------------|--------------------|------------------|
| MAG.       | <u>10-349350-4</u> | <u>F09FGN03</u>  |
| MAG        | <u>10-349350-5</u> | <u>F09FGN04</u>  |
| ALT./GEN   | <u>NONE</u>        |                  |
| INJ./CARB. | <u>625219-2</u>    | <u>E029503AR</u> |
| FUEL PUMP  | <u>646212-9</u>    | <u>D219512BR</u> |
| STARTER    | <u>PM2407</u>      | <u>85F18901</u>  |
| VAC. PUMP  | <u>NONE</u>        |                  |
| DIS. VALVE | <u>631427-3A5</u>  | <u>D219512CR</u> |

SN 297559-R      DATE 07/17/2009

|               | Part Number | Serial Number |
|---------------|-------------|---------------|
| PROPELLER     |             | <u>NONE</u>   |
| PROP. GOV     |             | <u>NONE</u>   |
| TACH. GEN.    |             | <u>NONE</u>   |
| TURBO CHARGER |             | <u>NONE</u>   |
| WASTE GATE    |             | <u>NONE</u>   |
| CONTROLLER    |             | <u>NONE</u>   |
| CONTROLLER    |             | <u>NONE</u>   |
| REL. VALVE    |             | <u>NONE</u>   |



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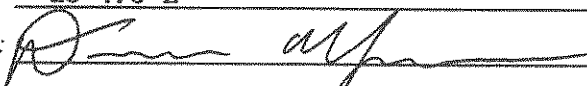
W.O.# 66100  
*[Signature]*  
Authorized Signature

C.R.S. # MW 2R020L

**AIRWORTHINESS DIRECTIVE**

At date of engine overhaul: 07/17/2009

Engine Model: IO-470-L


Authorized Signature: 

| AD & REV#     | REV DATE | APPLIC. SB # | ONE TIME | RECURRING |
|---------------|----------|--------------|----------|-----------|
| 72-20-02      |          | M73-2        | X        |           |
| 93-10-02      |          | M93-12       | X        |           |
| 97-21-02      |          | M97-10A      | X        |           |
| 98-01-08      |          | -----        | X        |           |
| 98-17-11      |          | -----        | X        |           |
| 99-19-01      |          | M99-3C       | X        |           |
| 2000-23-21    |          | 00-5D        | X        |           |
| 2007-04-19 R1 |          | SUP CYL      | X        |           |
| 70-14-07      |          | M70-10 R1    | X        |           |

**AIRWORTHINESS DIRECTIVE**

At date of engine overhaul: 07/17/2009

Engine Model: IO-470-L

Authorized Signature: 

| AD & REV#   | REV DATE | APPLIC. SB # | ONE TIME | RECURRING |
|-------------|----------|--------------|----------|-----------|
| 82-13-01    |          | SB613        | X        |           |
| 82-20-01    |          | SB623        | X        |           |
| 94-01-03 R2 | 06/28/95 | MSB644       | X        |           |
| 94-06-09    |          | CSB641       | X        |           |
| 2005-12-06  |          | MSB645       |          | X         |
| END         |          |              |          |           |
|             |          |              |          |           |
|             |          |              |          |           |
|             |          |              |          |           |

COMPLIANCE RECORD

S/N 297559-R

W/O 66100

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

CRS MW2R020L



|  |                       |
|--|-----------------------|
|  | N/A by date           |
|  | N/A by date           |
|  | N/A new cylinder kits |
|  | N/A by P/N            |
|  | C/W by insp.          |
|  | N/A by S/N            |
|  | N/A by S/N            |
|  | N/A by P/N            |
|  | P/C/W                 |

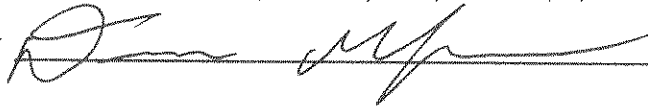
COMPLIANCE RECORD

S/N 297559-R

W/O 66100

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

CRS MW2R020L



|           |                    |
|-----------|--------------------|
|           | C/W new dist block |
|           | C/W new cam assy   |
|           | P/C/W              |
|           | C/W new capacitors |
| 500 hours | C/W new cam assy.  |
| END       |                    |
|           |                    |
|           |                    |
|           |                    |

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554 P 1

Repair Station #NF2R029L

ENGINE LOG #2

Type BEECHCRAFT 95-B55

Performed Work: Must include signature

N # 2189L

certificate number TSMOH and repair station number applicable

G/N TC-1993

REC. HR. METER 3121

ENGINE MODEL ID-470-L

ENGINE S/N 297559-R

RH ENGINE OVERHAUL-

REMOVED THE RH ENGINE MODEL ID-470-L S/N 297559-R WITH 711.1 HOURS TOTAL TIME AND SENT TO G&N AIRCRAFT FOR OVERHAUL REF WO# 66100.

THE ENGINE WAS REINSTALLED WITH NEW LORD ENGINE MOUNTS P/N J9613-5, ALL NEW FUEL AND OIL HOSES FROM OMAHA AIRPLANE SUPPLY. CLEANED AND PAINTED THE ENGINE MOUNT AND FIREWALL. THE PROPELLER GOVERNOR P/N 210666 S/N 1194232L WAS RESEALED BY AIRCRAFT PROPELLER. ALTERNATOR P/N ALT-8420 S/N 5032231, AND VACUUM PUMP P/N 3P-207-JA S/N DG023351 WERE INSPECTED AND REINSTALLED. ENGINE BAFFLES WERE REPAIRED, REPLACED AND NEW SEALS INSTALLED. EXHAUST SYSTEM COMPONENTS WERE OVERHAULED OR REPLACED AS NEEDED. (SEE OTHER AIRFRAME DESCRIPTIONS FOR DETAILS). THE ORIGINAL HARTZELL PROPELLER WAS REMOVED FROM SERVICE. INSTALLED A FACTORY NEW MCCAULEY 3 BLADE PROPELLER 3AF32C504/82NEA-4 S/N 080817 WITH ALCOHOL DEICE AND SPINNER ASSY AS PER STC SA01848CH INSTALLATION OF MCCAULEY PROPELLER 3AF32C504/82NEA IN ACCORDANCE WITH MCCAULEY TECHNICAL REPORT NO. 953, NO REVISION, DATED SEPTEMBER 28, 2001, OR LATER FAA APPROVED REVISION. SERVICED THE ENGINE WITH 20W50 TYPE M PHILLIPS.

AD2007-04-19R1 SAP CYLINDER SEPARATION RH ENGINE- NOT APPLICABLE BY CYLINDER MANUFACTURER. NO FURTHER ACTION REQUIRED.

I CERTIFY THAT THIS ENGINE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER W.O.# 17319. DATE OCTOBER 2, 2009 J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554 FAA APPROVED REPAIR STATION #NF2R029L

\* *Bruce F. Rebechini*  
BRUCE F. REBECHINI INSPECTOR

G&N Aircraft Recommended oil after break in: Any approved straight weight AD oil of a viscosity respective of operating outside air temperature, i.e. Grade 65W through 100W.

Date

TACH

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554 P 1

Repair Station #NF2R029L

ENGINE LOG #2

Type BEECHCRAFT 95-B55

TT 711

N # 155JA

certificate number, and repair station number if applicable

TSMOH LO-

S/N TC-1993

REC. HR. METER 3121

ENGINE MODEL IO-470-L

ENGINE S/N 297559-R

AD2009-24-51 HYDRAULIC LIFTER REPLACEMENT-

COMPLIED WITH AD2009-24-51 HYDRAULIC LIFTER REPLACEMENT IN ACCORDANCE WITH TCM MEB09-08. RESEARCH INDICATED THAT ONLY INTAKE LIFTERS WERE AFFECTED. REMOVED ALL INTAKE LIFTERS FROM RH ENGINE S/N 297559-R. INSTALLED & OVERHAULED LIFTERS P/N 628488 FROM AIRCRAFT SPECIALITIES SERVICE INC REFERENCE 8130-3 #AS-176217 SUPPLIED BY TCM.

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. #17779

DATE: NOVEMBER 30, 2009

SIGNED: BRUCE P. REBECHINI

For

J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554

F.A.A. APPROVED REPAIR STATION #NF2R029L

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554 P 1

Repair Station #NF2R029L

ENGINE LOG #2

Type BEECHCRAFT 95-B55

TT 711

N # 155JA

TSMOH

S/N TC-1993

REC. HR. METER 3121

ENGINE MODEL IO-470-L

ENGINE S/N 297559-R

SET ENGINE FUEL FLOWS-

ADJUSTED ENGINE IDLE SPEED. RUNUP FOUND FUEL FLOW TO BE CORRECT. NO FURTHER ACTION TAKEN EXCEPT RECOILED AREAS REMOVED FOR ADJUSTMENTS.

RH PROPELLER SPEED 50 RPM PAST REDLINE-

ADJUSTED GOVERNOR : 1/2 TURNS IN TO DECREASE PROPELLER SPEED. ADJUSTED AND MATCHED PROPELLER CONTROLS.

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. # 17776

DATE: DECEMBER 18, 2009

SIGNED: BRUCE P. REBECHINI

For

J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554

F.A.A. APPROVED REPAIR STATION #NF2R029L

G&N Aircraft Recommended oil after break in: Any approved straight weight AD oil of a viscosity respective of operating outside air temperature, i.e. Grade 65W through 100W.

| Date | TACH | TTSN | Repair Station #   | ENGINE LOG # | Type              | TT  | TSMOH | REC. HR. METER | S/N     | ENGINE MODEL | ENGINE S/N | 50 HR OIL CHANGE          | DRAINED OIL AND INSPECTED THE FILTER FOR CONTAMINANTS. NONE CONTAMINANTS FOUND. OIL SAMPLE TAKEN AND SENT TO BLACKSTON LABS FOR ANALYSIS. SERVICED ENGINE WITH 12 QTS OF 20W50 TYPE M OIL AND INSTALLED NEW GASKET ON FILTER P/N MS35769-48. 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. # 18014 DATE: APRIL 3, 2010 | SIGNED:            | For |
|------|------|------|--|--------------|-------------------|-----|-------|----------------|---------|--------------|------------|---------------------------|---|--------------------|-----|
|      |      |      | J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554<br>#NF2R029L | #2           | BEECHCRAFT 95-B55 | 736 | 25    | 3146           | TC-1993 | IO-470-L     | 297559-R   | 50 HR OIL CHANGE-         | DRAINED OIL AND INSPECTED THE FILTER FOR CONTAMINANTS. NONE CONTAMINANTS FOUND. OIL SAMPLE TAKEN AND SENT TO BLACKSTON LABS FOR ANALYSIS. SERVICED ENGINE WITH 12 QTS OF 20W50 TYPE M OIL AND INSTALLED NEW GASKET ON FILTER P/N MS35769-48. 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. # 18014 DATE: APRIL 3, 2010 | <i>[Signature]</i> |     |
|      |      |      | J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554<br>#NF2R029L | #2           | BEECHCRAFT 95-B55 | 786 | 75    | 3196           | TC-1993 | IO-470-L     | 297559-R   | RM ENGINE OIL CHANGE DUE: | DRAINED OIL AND REFILLED WITH 12 QTS. OF 20W50 X/C OIL. REMOVED AND INSPECTED THE OIL SCREEN. CLEANED AND REINSTALLED SCREEN WITH NEW GASKET P/N MS35769-48. RAN ENGINE AND DETECTED NO LEAKS. 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. # 18210 DATE: JULY 16, 2010   | <i>[Signature]</i> |     |

G&N Aircraft Recommended oil after break in: Any approved straight weight AD oil of a viscosity respective of operating outside air temperature, i.e. Grade 65W through 100W.



| Date | TACH | PERFORMED  | ENGINE LOG               | INCL                | #2 | SIGNATURE | APPLICABLE |
|------|------|--|--------------------------|---------------------|----|-----------|------------|
|      |      | J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554  | Repair Station #NF2R029L | TT 844              |    |           |            |
|      |      | Type BEECHCRAFT 95-B55   |                          | TSMOH 133           |    |           |            |
|      |      | N # 155JA  |                          | REC. HR. METER 3254 |    |           |            |
|      |      | S/N TC-1993  | ENGINE MODEL IO-470-L    |                     |    |           |            |
|      |      |  | ENGINE S/N 297559-R      |                     |    |           |            |
|      |      | OIL CHANGE-  |                          |                     |    |           |            |
|      |      | DRAINED OIL. OPENED & INSPECTED THE SCREEN FOR CONTAMINANTS. NO CONTAMINANTS FOUND. OIL SAMPLE TAKEN & SENT TO BLACKSTONE LABS FOR ANALYSIS. REINSTALLED SCREEN USING NEW BAKSET P/N MS35769-48 AND SERVICED ENGINE WITH 12 QTS FOR 20W50 X/C OIL. GROUND RAN ENGINE AND CHECKED FOR LEAKS. NO LEAKS FOUND AT THIS TIME. |                          |                     |    |           |            |
|      |      | 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. # 18419 DATE: OCTOBER 5, 2010               |                          |                     |    |           |            |
|      |      | SIGNED: <i>Don Morgan</i> For  |                          |                     |    |           |            |
|      |      | J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554   |                          |                     |    |           |            |
|      |      | F.A.A. APPROVED REPAIR STATION #NF2R029L   |                          |                     |    |           |            |

|  |  |  |                          |                     |  |  |  |
|--|--|--|--------------------------|---------------------|--|--|--|
|  |  | J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554  | Repair Station #NF2R029L | ENGINE LOG #2       |  |  |  |
|  |  | Type BEECHCRAFT 95-B55   |                          | TT 872              |  |  |  |
|  |  | N # 155JA  |                          | TSMOH 161           |  |  |  |
|  |  | S/N TC-1993  |                          | REC. HR. METER 3282 |  |  |  |
|  |  |  | ENGINE MODEL IO-470-L    |                     |  |  |  |
|  |  |  | ENGINE S/N 297559-R      |                     |  |  |  |
|  |  | RH ENGINE OIL CHANGE-  |                          |                     |  |  |  |
|  |  | DRAINED AND TOOK OIL SAMPLE. REFILLED WITH 12 QTS OF 20W50 X/C OIL. REMOVED OIL SCREEN, INSPECTED, CLEANED AND REINSTALLED. GROUND RAN AND LEAK CHECKED ENGINE. NO LEAKS FOUND AT THIS TIME.   |                          |                     |  |  |  |
|  |  | 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. # 18517 DATE: NOVEMBER 22, 2010 |                          |                     |  |  |  |
|  |  | SIGNED: DONALD K. MORGAN <i>Don Morgan</i> For   |                          |                     |  |  |  |
|  |  | J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554   |                          |                     |  |  |  |
|  |  | F.A.A. APPROVED REPAIR STATION #NF2R029L   |                          |                     |  |  |  |

G&N Aircraft Recommended oil after break in: Any approved straight weight AD oil of a viscosity respective of operating outside air temperature, i.e. Grade 65W through 100W.

Date

TAC

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554  
 Repair Station #NF2R029L ENGINE LOG #2  
 Type BEECHCRAFT 95-B55 TT 908  
 N # 155JA TSMOH 197  
 S/N TC-1993 REC. HR. METER 3318

ENGINE MODEL IO-470-L  
 ENGINE S/N 297559-R

RH ENGINE OIL CHANGE-

RAN THE ENGINE, DRAINED THE OIL AND INSPECTED THE OIL SCREEN  
 SERVICED THE ENGINE WITH 12 QTS OF PHILLIPS 20W50, XC OIL.  
 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. # 18643 DATE: DECEMBER 30, 2010

SIGNED: *[Signature]* For  
 J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554  
 F.A.A. APPROVED REPAIR STATION #NF2R029L

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554  
 Repair Station #NF2R029L ENGINE LOG #2  
 Type BEECHCRAFT 95-B55 TT 940  
 N # 155JA TSMOH 229  
 S/N TC-1993 REC. HR. METER 3350

ENGINE MODEL IO-470-L  
 ENGINE S/N 297559-R

OIL CHANGE, RIGHT ENGINE:

DRAINED OIL AND INSPECTED THE OIL SCREEN. SERVICED ENGINE  
 WITH 12 QTS OF PHILIPS 20W50 X/C OIL.

INSTALL F & M ENTERPRISES' INC. OIL FILTER ADAPTER:

INSTALLED F & M ENTERPRISES' OIL FILTER ADAPTER P/N C6LC-S  
 S/N 61625 FOR A SPIN ON OIL FILTER IN ACCORDANCE WITH STC  
 SE093565C AND F & M ENTERPRISES' INSTALLATION INSTRUCTIONS  
 DATED OCTOBER 26, 1998 OR LATER FAA APPROVED REVISIONS.

INSTALLED NEW FILTER P/N AA48108-2. FABRICATED AND INSTALLED  
 NEW BREATHER TUBE FROM 3/4 INCH ALUMINUM TUBING AND  
 RE-ROUTED TO PROVIDE CLEARANCE AWAY FROM THE ADAPTER.  
 RELOCATED WIRES AND HOSES AS NEEDED. CHECKED ENGINE CONTROLS  
 FOR CLEARANCE AS REQUIRED. OPERATED ENGINE AND DETECTED NO  
 LEAKAGE. FAA FORM 337 COMPLETED. AIRCRAFT WEIGHT & BALANCE  
 DATA UPDATED.

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. # 18652 DATE: APRIL 8, 2011

SIGNED: *[Signature]* For  
 J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554  
 F.A.A. APPROVED REPAIR STATION #NF2R029L

G&N Aircraft Recommended oil after break in: Any approved straight weight AD oil  
 of a viscosity respective of operating outside air temperature, i.e. Grade 65W through 100W.

