

**AIRCRAFT
MAINTENANCE RECORDS**

N 19519

AIRFRAME

LOG BOOK

Book 4

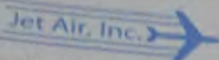


AIRCRAFT MAINTENANCE RECORD

Page No.

CARRIED FORWARD →

Date



Jet Air Inc. (KOW)
1801 S. Riverdale Dr
Iowa City, IA 52246
Ph: (319) 246-1200

1/9

IG WORK

Date: 7/26/2024; Aircraft: N19519
TACH:4031.8 CESSNA 177B S/N: 17702575 AFTT: SHI-23-00356

Removed inspection covers, panels, cabin interior, and engine cowling's. Checked all trim tab actuators. Checked wings, fuselage, and tail section. Lubricated all flight controls. Checked and set cable tensions. Checked all cabin interior, loose equipment, electrical system, interior and exterior lights. Checked windows, doors, and seals. Removed battery, serviced, charged, cleaned battery box, and re-installed battery. Checked and lubricated landing gear. checked/serviced shimmy dampener. Checked tires, brakes, and repacked wheel bearings. Serviced all hydraulics. C/W FAR 91.207 inspection of E.L.T. for proper installation, battery corrosion, operations of controls and crash sensor, and signal strength. Next inspection due: JULY 2025. ELT BATTERY charge due: MARCH 2027 Complied with the followings items:

-RECEIVED AIRCRAFT DISASSEMBLED FOR CARRYTHRU SPAR REPLACEMENT DUE TO BEYOND LIMITS WITH CORRSION, PULLED WIRING THROUGH SPAR AND REMOVED AFT UPPER FUSELAGE SKIN TO ACCESS SPAR. REMOVED SPAR. INSTALLED REPAIRED SPAR P/N 1710703-6 FROM ADVANTAGE AVIATION SERVICES LLC. REFERENCE NDT REPORT FROM NDI CONSULTANTS, INC. REPAIR STATION # 6NDR159C W/O # 6067B AND AIRFRAME LOG FROM FILLMORE AVIATION WITH NEW HARDWARE. PREVIOUS AIRCRAFT CESSNA 177B, N1381C, S/N 17702718, 21661.3 HRS ACTT. REINSTALLED SKIN AND REROUTED WIRING AS NEEDED. REFERENCE DISCREPANCY 3 OF THIS SHOP ORDER FOR REASSEMBLY OF AIRCRAFT. PAINTED AS NEEDED TO MATCH.

-RECEIVED AIRCRAFT DISASSEMBLED. REASSEMBLED AIRCRAFT. INSTALLED STABILATOR, RUDDER, AND WINGS. ROUTED AND SECURED ALL WIRING IN WINGS AND RUDDER. ROUTED ALL CONTROL CABLES. RIGGED ALL FLIGHT CONTROLS AND STEERING. RECONNECTED ALL FUEL LINES. REINSTALLED ALL VENTILATION DUCTS, ALL INTERIOR PANELS, AND SEATS. REINSTALLED ALL ACCESS PANELS, LANDING GEAR FAIRINGS, WHEEL PANTS, AND ENGINE COWLING.

-REMOVED ALL OLD AND UNUSED WIRING. RESCUED WIRING AS NEEDED. REMOVED ABOUT 8 POUNDS OF WIRING.

-REMOVED TORN INSTRUMENT PANEL SHOCK MOUNT. INSTALLED NEW MOUNT P/N J6984-8

-REMOVED SEVERELY TORN DEFROST DUCT BEHIND INSTRUMENT PANEL. INSTALLED NEW DUCT P/N F222003.

-REMOVED CRACKED R/H FORWARD ENGINE BAFFLE. STOP DRILLED CRACKS. FABRICATED AND INSTALLED REPAIR DOUBLERS. PAINTED TO MATCH. REINSTALLED BAFFLE.

-FABRICATED AND INSTALLED REPAIR DOUBLERS AS NEEDED FOR MULTIPLE DAMAGED RIVET HOLES AND UP SIZED RIVETS WHERE POSSIBLE F.S. 54.00-75.50.

-REPLACED AS NEEDED MULTIPLE RIVETS DUE TO INCORRECT INSTALLATION AT F.S. 54.00-75.50.

-STOP DRILLED CRACKS WHERE NEEDED. FABRICATED AND INSTALLED REPAIR DOUBLERS AS NEEDED FOR MULTIPLE CRACKS AND BEND CHANNEL ENDS UNDER THE FLOOR F.S. 75.50

-PERFORMED WEIGHT AND BALANCE OF AIRCRAFT. NEW TOTAL EMPTY WEIGHT 1,706 LBS, NEW USEFUL LOAD 794 LBS, NEW A/C CG 106.4.

-TRIMMED AND REFORMED PILOT DOOR SKIN EDGE AS NEEDED WHERE CHAFING AND ADJUSTED LATCHES.

-INSPECTED AND CHECKED SERVICING OF NOSE STRUT. REMOVED WORN FILLER PLUG GASKET AND INSTALLED NEW GASKET P/N MS35769-9.

-REMOVED WINDSHIELD RETAINER STRIPS, COMPASS, AND WINDSHIELD. TRIMED, FITTED AND INSTALLED NEW WINDSHIELD P/N 329 187 UV-SG FROM LP AERO PLASTIC INC. AUTHORIZATION NO. PQ0046NE W/O # 22682 USING FELT AND REINSTALLED

RETAINERS AND COMPASS. EDGE SEALED USING PR 1425 B1/2 SEALANT.

-REMOVED GLARESHIELD DECK COVER. PREPPED AREA AS NEEDED. TRIMMED, FITTED, AND INSTALLED VINYL P/N SPIRIT II BLACK US 393 USING SPRAY ADHESIVE.

-REMOVED WORN L/H AILERON DIRECT CABLE PULLEY AT DOOR POST. INSTALLED NEW PULLEY P/N MS20220-2.

-REMOVED DAMAGED PILOT KICK PANEL DUCT. INSTALLED NEW DUCT P/N S1110ET19.50.

-REMOVED SEVERELY WORN L/H DOOR STOP ARM SPACERS AND SCREW. INSTALLED NEW SPACERS P/N 1411206-1 AND NEW SCREW P/N MS27039-0817.

-REMOVED DAMAGED R/H DOOR STOP BRACKET AND SPRING. INSTALLED NEW BRACKET ASSEMBLY P/N 1717056-4 AND NEW SPRING ASSEMBLY P/N 1717053-3.

-REMOVED WORN FORWARD STABILATOR DOWN CABLE. INSTALLED NEW CABLE P/N 1760006-8.

3/1

Date
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3 WORK

-REMOVED FLIGHT CONTROL CABLE PULLEY CLUSTER AT APPROX. F.S. 64 90 WITH SPACERS INSTALLED INCORRECTLY. ARRANGED SPACERS CORRECTLY AND REINSTALLED CLUSTER

-REMOVED 6 FAILING RIVETS UPPER COWLING AFT SEAL ON FUSELAGE. INSTALLED NEW RIVETS.

-REMOVED WORN AILERON RUDDER INTERNNECT SPRINGS. INSTALLED NEW SPRINGS P/N 1760016-1

-REMOVED BROKEN EXTERNAL POWER DIODE ASSEMBLY BLOCK. INSTALLED NEW DIODE BLOCK P/N 1570043-3.

-REMOVED ALTERNATE STATIC AIR DAMAGED NUT INSERTS. INSTALLED NEW INSERTS AND NUTS.

-INSTALLED NEW SET SCREW P/N AS565D6H2 ON PANEL LIGHT DIMMER KNOB.

-INSTALLED NEW ENGINE TRUSS MOUNTING HARDWARE DURING REINSTALLATION OF ENGINE TRUSS.

-REMOVED DETERIORATED FUEL STRAINER COOLING TUBE. INSTALLED NEW SCAT TUBING.

-REMOVED BROKEN PARKING BRAKE TUBE ASSEMBLY. INSTALLED AND ADJUSTED SERVICEABLE TUBE ASSEMBLY P/N 1713099-1.

-REMOVED DAMAGED GROMMET FOR FUEL VENT LINE AT W.S. 172. INSTALLED NEW GROMMET P/N MS35489-12.

-REMOVED 2 DAMAGED NUTPLATES FOR L/H AND R/H WING TIP. INSTALLED NEW NUTPLATES P/N'S A6198-8Z1D AND S3430-1A.

-REMOVED AND DISASSEMBLED CRACKED RUDDER TIP. FITTED AND PAINTED TO MATCH NEW TIP P/N 1733009-2. REASSEMBLED AND INSTALLED TIP. 5/9

-REMOVED AND DISASSEMBLED CRACKED AND DAMAGED R/H WING TIP. FITTED AND MATCH DRILLED NEW TIP P/N 1723005-12. PAINTED TO MATCH. REASSEMBLED AND INSTALLED TIP.

-REMOVED AND DISASSEMBLED CRACKED AND DAMAGED L/H WING TIP. FITTED AND MATCH DRILLED NEW TIP P/N 1723005-11. PAINTED TO MATCH. REASSEMBLED AND INSTALLED TIP.

-INSTALLED NEW STABILATOR BOLTS P/N NAS6606D17 DURING INSTALLATION OF STABILATOR.

-INSTALLED NEW FWD WING ATTACH BOLTS DURING REINSTALLATION OF WINGS.

-REMOVED BOTH STABILATOR TIPS THAT ARE CRACKED. FITTED AND MATCH DRILL NEW TIPS P/N 1732024-1-791. PAINTED TO MATCH AND INSTALLED TIPS.

-REMOVED BAD LAMP FOR INOP 1 GLARE SHIELD EYEBROW LIGHT. INSTALLED NEW LAMP P/N 53

-REMOVE BAD LAMP ON INOP R/H FUEL QUANTITY GAUGE LIGHT. INSTALLED NEW LAMP P/N 330.

-REMOVED PINS OUT OF 3 DAMAGED WIRING CONNECTORS AT WING ROOTS. INSTALLED PINS INTO NEW CONNECTORS P/N'S S1641-6 QTY. 1 AND S1641-9 QTY. 2.

-DRILLED A #30 HOLE ON L/H FLAP HOLE ON LEADING EDGE SKIN INBOARD END FROM SCREW TO CLEAN UP HOLE. INSTALLED RIVET PLUG.

-DRILLED A #30 HOLE ON R/H FLAP CHAFED ON LEADING EDGE SKIN INBOARD END

FROM SCREW TO CLEAN UP DAMAGE. INSTALLED RIVET PLUG. 6/9

-REMOVED L/H WING TIE DOWN HOOK AND BROKEN SPRING. REINSTALLED HOOK WITH NEW SPRING P/N 0523616-1.

-STOP DRILLED CRACK ON R/H WING RIB AT W.S. 172.

-REMOVED EXCESSIVE PLAY R/H COWLING FLAP HINGE. DURING REMOVAL FOUND RIVET HOLES FOR HINGE WERE DAMAGED ON COWLING SIDE. FABRICATED AND INSTALLED REPAIR DOUBLERS FOR DAMAGED HOLES. MATCH DRILLED AND INSTALLED NEW HINGE P/N 1752091-13.

-STOP DRILLED CRACKS ON LOWER COWLING WEB SKIN BY BOTH FLAPS. FABRICATED AND INSTALLED REPAIR DOUBLER BY R/H COWLING FLAP.

-PREPPED AREAS AS NEEDED NOSE WHEEL FAIRING CRACKS AROUND WHEEL OPENING. APPLIED LAYERS OF FIBERGLASS CLOTHE USING EPOXY RESIN.

-REMOVED BAD NUTPLATE ON L/H MAIN WHEEL FAIRING. INSTALLED NEW NUTPLATE P/N MS21059L08.

-REMOVED FRAYING L/H REAR SEAT BELT AND SENT OUT FOR REPAIR. INSTALLED REPAIRED SEAT BELT P/N S-1746 HH-16 FROM CLASSIC INTERIOR COMPLETIONS CERT # R4GD031Y W/O # C6530 DATED 12/JUN/2024.

-REMOVED PILOT SEAT SECONDARY SEAT STOP REEL ASSEMBLY AND BROKEN CABLE HOUSING CONNECTION. INSTALLED AND RIGGED NEW REEL ASSEMBLY P/N 505590-403.

-INSTALLED MISSING RUDDER TRIM CONTROL INDICATOR PLACARD "NOSE RIGHT".

-TROUBLESHOT LOPRESTI LANDING LIGHT SYSTEM. FOUND POWER SUPPLY BAD.

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Date REMOVED LOPRESTI R/H LANDING LIGHT SYSTEM. PUT SYSTEM BACK TO OEM. 7/9
INSTALLED NEW LAMP P/N 4509 WITH NEW GASKET P/N 0752646-1. INSTALLED NEW WIRING USING 14 GA FROM LAMP TO CONNECTOR AT FIREWALL.
-AD2023-02-17 CARRY-THRU SPAR INSP PREVIOUSLY C/W PER SEL-67-09 AND SEL-67-07R1
-C/W AD2011-10-09 SEAT RAIL INSPECTION. NEXT INSPECTION DUE IN THE NEXT 100 HOURS (TACH TIME 4131.6) OR 12 MONTHS, WHICHEVER OCCURS FIRST.
-C/W ICA DOC 4003 CHALLENGER AIR FILTER CLEANING. REMOVED FILTER CLEANED AND RECHARGED WITH KIT P/N CP99-5050. REINSTALLED FILTER WITH NEW GASKET P/N CP-1504. RECHARGE DUE IN THE NEXT 100 HOURS (4131.6 TACH TIME) OR 12 MONTHS WHATEVER OCCURS FIRST.
-C/W VACUUM REGULATOR FILTER CHANGE DUE. REMOVED OLD FILTER AND INSTALLED NEW FILTER P/N B3-5-1.
-C/W INSTRUMENT CENTRAL FILTER CHANGE DUE. REMOVED OLD FILTER AND INSTALLED NEW FILTER P/N AAD9-18-1.
-REMOVED L/H MAIN LANDING GEAR TO ACCESS WORN PILOT OUTBOARD SEAT RAIL FASTENERS. REMOVED WORN SEAT RAIL. POSITIONED, MATCH DRILLED AND INSTALLED NEW SEAT RAIL P/N 1711015-7. REINSTALLED GEAR WITH NEW BOLT P/N NAS150-62 AND NEW NUT P/N MS21045L10. BLEED BRAKE.
- FOUND POWER WIRE TO ENCODER PLUG ON PIN 8 AND PIN 6 HAD NO GROUND. REMOVED PIN 8 POWER WIRE AND SOLDERED ONTO PIN 14. CUT GROUND WIRE 6 3 INCHES FROM PLUG AND ATTACHED NEW WIRE AND ROUTED WIRE TO GROUND

7/9
PENDING WORK

BEHIND COPILOT INSTRUMENT PANEL. 8/1
-PERFORMED COMPASS SWING. INSTALLED NEW DEVEATION CARD INTO AIRCRAFT. SIGHT COMPASS MODEL SC063 S/N 2754 CERT NO ECS51367, CAL DUE 3/21/2025
-REMOVED LEAKING FUEL RESERVOIR DRAIN. INSTALLED NEW DRAIN VALVE P/N S2020-3.
-REMOVED PILOT AND COPILOT DOORS, AVIONICS, INSTRUMENTS, AND LINES AS NEEDED, FUEL PRIMER, PROP, ENGINE AND TRUSS, PEDESTAL ASSEMBLY, BRAKE AND RUDDER PEDAL ASSEMBLY, FUEL RESERVOIR, CENTER FWD FLOORBOARD, L/H FUSELAGE SIDE SKIN AND STRINGERS, TO ACCESS AND REMOVE DAMAGED L/H LOWER DOOR POST ASSEMBLY. INSTALLED NEW UPPER DOOR HINGE P/N 1711002-5 AND NEW DOOR STOP BRACKET P/N 1717056-3 ON PILOT DOOR. TEMP INSTALLED PILOT DOOR AND INSTALLED SERVICEABLE DOOR POST ASSEMBLY P/N 0713015-7. FABRICATED AND INSTALLED NEW SIDE SKIN USING .025" 2024-T3 ALUMINUM AND REINSTALLED STRINGERS. REINSTALLED AVIONICS, INSTRUMENTS, LINES, FUEL PRIMER, CENTER FLOORBOARD, FUEL RESERVOIR, PEDAL ASSEMBLY, PEDESTAL, ENGINE AND TRUSS, PROP, AND DOORS WITH NEW CLEVIS PINS ON PILOT DOOR. PAINTED TO MATCH AS NEEDED. RIGGED ENGINE CONTROLS.
-DURING REMOVAL OF FUEL SHUTOFF CABLE FOR DISCREPANCY #2 BROKE SOLID CORE CABLE FOR FUEL SHUTOFF. INSTALLED AND ADJUSTED SERVICEABLE CABLE P/N S2113-1.
-STOP DRILLED CRACK ON L/H DOOR FRAME CRACKED AT DOOR STOP CUTOUT. FABRICATED AND INSTALLED REPAIR DOUBLER
-STOP DRILLED CRACKS ON PILOT DOOR SKIN BY HINGES. FABRICATED, INSTALLED AND PAINTED TO MATCH REPAIR DOUBLERS 9/1

Performed engine run-ups, no leaks noted. Installed all covers, inspection covers, cabin interior and engine cowling's. I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Date 7/26/24 Signed, [Signature]
For Jet Air, Inc.-IOW FAA CRS I2JR069B

Jet Air, Inc.



Jet Air Inc. (KIOW)
1801 S. Riverside Dr.
Iowa City, IA 52246
Ph. (319)-248-1200

Date: 7/26/2024; Aircraft: N19519
A/C #. N19519, S/N:17702575, Hobbs:1438.4, W/O:SHI-23-00356.

I certify this aircraft altitude reporting system correspondence has been tested and inspected with reference to FAR 91.411 to the aircraft service ceiling altitude of 14,000 feet MSL.
Aircraft transponder certified with reference to FAR 91.413, FAR 43 Appendix F.

Transponder M/N: GARMIN GTX330 S/N:84100212 TSO:C112.
Encoder M/N:T.C.I. SSD120-30A S/N:55289 TSO: C88a

Signature: [Signature]
For Jet Air, Inc.-IOW Repair Station I2JR069B

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Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →	4031.8	
8/7/24	4036.4	Removed Concord Battery RG-35 AXC. Installed New Concord Battery RG-35 AXC Serial Number 70039418 per Concord owner/operator manual document No. 5-0171 Rev. P. Supplemental Type Certificate SAΦ1118 WI from Concord Battery Corp. Appleton, Wis 3532747.
		End of Entry
08/20/2024	4042.0	ADJUSTED FLAP CONTROL FOLLOW UP CABLE TO ALLOW FLAP CONTROL "DOWN" LIMIT SWITCH TO CONTROL FLAP EXTENSION = 30.8° (WITH IN TECH MANUAL SPEC.: 0-30° ±2%/-0°) James D. White JAMES D. WHITE AIP 3238656-IA

Date: 1/15/2025

Tach/Hobbs 476.9 ~~014~~
4076.9

Blue Skies
Blue Skies over Dubuque Inc.
Airplane Maintenance

10800 Airport Road
Dubuque, Iowa 52003
Repair station #YQYR3431
1-563-582-1293

1. Replaced internal seals in nose gear strut. Serviced with nitrogen.
Work Order #84769

Name: David M. Farningham

Signed:
Certified Repair Station # YQYR343B

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Date Total Time DESCRIPTION OF WORK PERFORMED
SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK

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4031.8

8/7/24 4036.4 Removed Concord Battery RG-35 AXE.
Installed New Concord Battery RG-35 AXE
SERIAL NUMBER 70039418 per Concord
owner/operator manual document
NO. 5-0171 Rev. P. Supplemental Type
Certificate SA0118 WI from
Concord Battery Corp. *Robert Laule*
3532747.

End of Entry

08/20/2024 4042.0

ADJUSTED FLAP CONTROL FOLLOW UP
CABLE TO ALLOW FLAP CONTROL
"DOWN" LIMIT SWITCH TO CONTROL
FLAP EXTENSION = 30.8° (WITH IN
TECH MANUAL SPEC.: 0-30° +2°/-0°)

James D. White
JAMES D. WHITE
AIP 3238656-IA

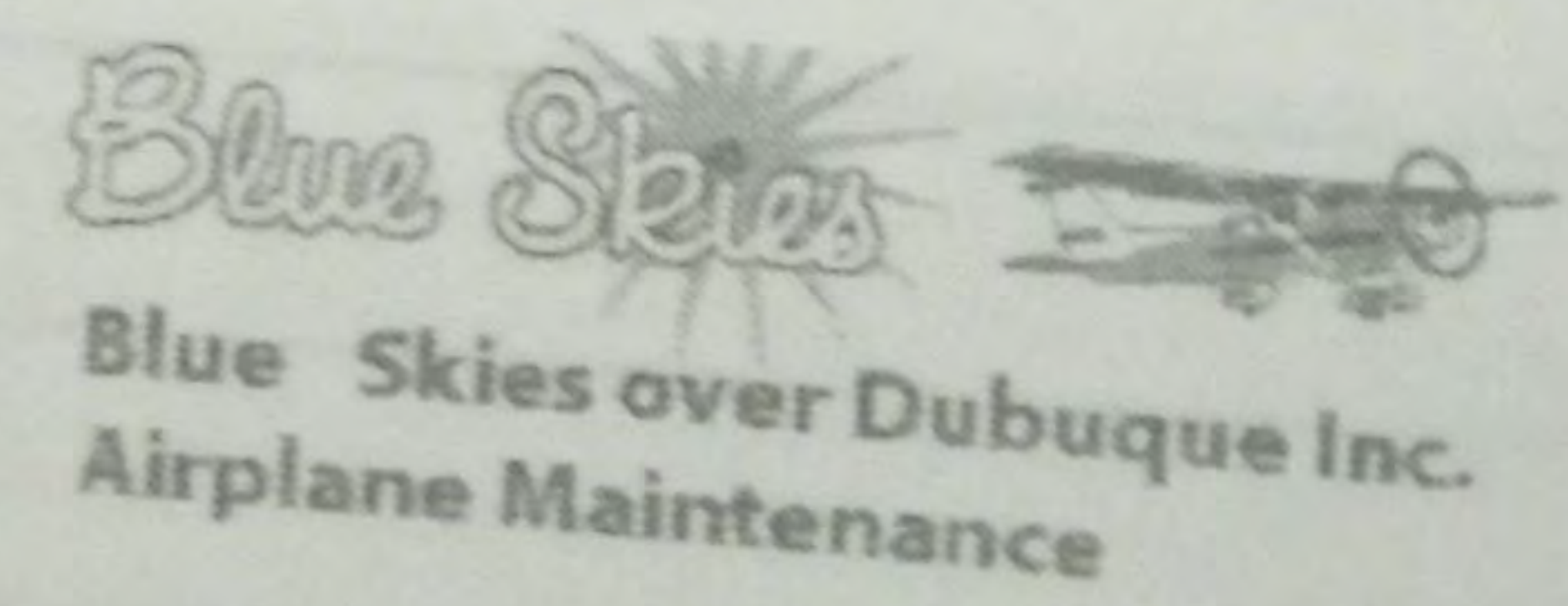
Date: 1/15/2025
Tach/Hobbs ~~476.9~~
4076.9



10800 Airport Road
Dubuque, Iowa 52003
Repair station #YQYR3431
1-563-582-1293

1. Replaced internal seals in nose gear strut. Serviced with nitrogen.
Work Order #84769
Name: David M. Farningham
Signed: *David M. Farningham*
Certified Repair Station # YQYR343B

Date: 5/16/2025
Tach/Hobbs: 4077.6



10800 Airport Road
Dubuque, Iowa 52003
Repair station #YQYR343B
1-563-582-1293

Inspected brake system after master cylinder, and wheel cylinder o-ring replacement.
Work Order #84961
Name: Eric W. Seier
Signed: *Eric W. Seier*
Certified Repair Station # YQYR343B

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