

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG



RECORDABLE CONCESSION REPORT

1.3. NCR In DAI-System:
NCR23-2538

1.4. NCR REV: A

1. DOCUMENT IDENTIFICATION

1.1. Manufacturer: DAIC

1.2. Manufacturer Ref. No.: 23-2538

1.5. Sheet 1 of 2

2. IDENTIFICATION OF PRODUCT EFFECTED2.1. Type of product/program:
DA622.2. Part number:
DA62-COMPOSITE-KIT12.3. Part Description:
COMPOSITE PLANE FOR PAINTING2.4. Drawing No. / Revision:
D67-7116-13-00X08 REV -2.5. Part serial / batch / lot number
62.C066-100002.6. Assy serial number:
62.C066-100002.7. Product number (A/C Nr.):
62.C0662.8. Quantity.:
12.9. Work/Purchase order number:
62.C066-10000**3. DESCRIPTION OF NON-CONFORMANCE**

3.1. Detailed description ("should be" and "is"):

LH Cabin heat exchanger Duct does not align with Cowling "C" (D67-7116-13-00X08) Flange Zone D,4. With cabin heat exchanger housing pushed as far Fwd as possible and C cowl installed with existing camlocks approx. 9mm gap Fwd side of heat exchanger.

5. NON-CONFORMANCE RESOLUTION:

Install additional ISOVAL plate with same specification as D64-2410-11-03, Plate, Cabin Heat Exchanger inlet to measure overall length 155mm instead of 140mm and width 30mm instead of 15 ± 0.5 mm at Zone D7. Bond insert with Repaplast to heat exchanger.

6. SIGNATURES

6.1. Originator

6.2. QA MRB

6.3. Engineering

6.4. ENG MRB

6.5. Airworthiness

Function

Preparing of concession

Approval

Technical Evaluation

Approval

Airworthiness Evaluation

Name: V.Muthanna

B. Stephenson

I.Kubrak

I.Kubrak

S.Brown

Signature:

Date: dd/mm/yy

22-Sep-2023

22-Sep-2023

22-Sep-2023

22-Sep-2023

22-Sep-2023

7. CLOSING & DISTRIBUTION BY QA

Name: V.Muthanna

Signature:

Date: dd/mm/yy

25-Sep-2023

 OoA (original) Originator Final Assembly Austro Engine Customer Support PL-COMPOSITE QSL-PMS other: Customer (attached to AC logbook)



9400 E 34th St. N.
Wichita, KS 67226

16320 Stagg Street
Van Nuys, CA 91406

Altimeter Scale Correction Card

Altimeter P/N: 6420302-1

Serial Number: 023 - 11120

C

REFERENCE ALTITUDE IN FT	ALTIMETER READS
-1,000	-1,011
0	-11
500	489
1,000	987
1,500	1,487
2,000	1,989
3,000	2,990
4,000	3,989
5,000	4,992
6,000	5,989
8,000	7,992
10,000	9,992
11,000	10,993
12,000	11,993
14,000	13,996
16,000	15,997

REFERENCE ALTITUDE IN FT	ALTIMETER READS
17,000	16,998
18,000	17,998
20,000	19,999
22,000	22,001
25,000	25,001
30,000	30,005
35,000	35,005
40,000	40,005
45,000	45,000
50,000	49,995

Tested By: LL

Date: 3/15/2023

AIRCRAFT

- | | |
|---|----------|
| 1. Nationality and Registration: | N456SA |
| 2. Manufacturer's designation: | DA 62 |
| 3. Manufacturer's Serial Number: | 62.C066 |
| 4. Type Approval or Specification Number: | A00012NY |
| 5. Date of Manufacture: | 2023 |
| 6. Aircraft Inspections cycle: | |



Section 1: Airframe Log



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N456SA
AC Serial Number: 62.C066
LH Engine Serial Number: E4P-C-06317
RH Engine Serial Number: E4P-C-06299
LH Prop Serial Number: 231292
RH Prop Serial Number: 231291
Airframe Total Time: 5.8 HRS

- Total Time Airframe Brought forward from Production Test Flight Journey Log (DAI - Form Q-224): 5.8 HRS

- Compass Swing Performed:

- Date: NOVEMBER 14 2023
- Next Due: NOVEMBER 2024

FOR	N	30	60	E	120	150
STEER	001	030	060	090	120	150
FOR	S	210	240	W	300	330
STEER	180	210	240	271	301	330

- Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with CAR Standard 571, Appendix B and 14 CFR 91.411:

- Test Date: OCTOBER 12 2023
- Next Due: OCTOBER 2025

- Stand By Altimeter:

- Factory Test Date: MARCH 15 2023
- Next Due: MARCH 2025

- ATC Transponder & Altitude Reporting System(s) have been tested in accordance with CAR Standard 571, Appendix F and 14 CFR 91.217: & 91.413:

- Test Date: OCTOBER 13 2023
- Next Due: OCTOBER 2025
- Programmed Registration: N456SA
- Hex Code: N/A (USA Registration)

- The ELT was tested and inspected in accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d):

- Manufacturers Cert. date: 02/23 (WW/YY)
- Installation Inspected: NOVEMBER 16 2023
- Battery due: DECEMBER 2029
- Next ELT inspection due: NOVEMBER 2024
- ELT Programmed:
 - REG: N456SA
 - Hex ID: N/A
 - Country: 366 (USA)
 - 15 Hex ID: ADC6498A055D381

- Garmin G1000 NXi Installation:

- System: 3787.02
- Checklist File: N/A
- Basemap Land 5.20
- SafeTaxi Data: Expires 25-JAN-2024
- Terrain Data: 3.00
- Obstacle Data: Expires 25-JAN-2024
- Navigation Data: Expires 28-DEC-2023
- Apt Directory: Expires 25-JAN-2024
- FliteCharts Data: Expires 28-DEC-2023
- IFR/VFR charts: Date: 30-NOV-2023


Inspector

DEC 18 2023

date



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 LH Engine Serial Number: E4P-C-06317
 RH Engine Serial Number: E4P-C-06299
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 RH Prop Serial Number: 231291
 Airframe Total Time: 5.8 HRS

- Following limitations as per DA 62 AMM Chapter 4,5 (subject to change with revision):

Component	Hours	Years	Next Due:
ECU backup batteries LH/RH	-N/A-	1 yr. +/- 30 days	OCTOBER 2024
Bonding system and static discharging system.	1000 +/- 50	4 yrs. +/- 60 days	1000 or OCTOBER 2027
Emergency battery package (if MAM 62-002 is NOT installed)	-N/A-	2 yrs. +/- 30 days	N/A; MAM62-002 Incorporated.

- The following STC's are incorporated:
 - FAA STC No. SA000181B (Beringer wheel and brake system)
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO FAA TYPE CERTIFICATE A00012NY Rev. No. 2, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2023-26 all applicable AD's complied with
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.
- For the latest and most applicable maintenance requirements, please refer to the Diamond Aircraft Maintenance Manual (AMM).

[Signature]
 DA
 Q 8

Inspector

DEC 18 2023

date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) DEC 20 2023, has been installed in the Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO Section AIR-8A5 on:

(Date) DEC 20 2023

(Print) R. Salton (Signature) *[Signature]*



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- Programmed Registration: N456SA
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- The ELT was tested and inspected in accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d):

- Manufacturers Cert. date: 02/23 (WW/YY)
- Installation Inspected: NOVEMBER 16 2023
- Battery due: DECEMBER 2029
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- System: 3787.02
- Checklist File: N/A
- Basemap Land 5.20
- SafeTaxi Data: Expires 25-JAN-2024
- Terrain Data: 3.00
- Obstacle Data: Expires 25-JAN-2024
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 Inspector

DEC 18 2023
 date



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Bonding system and static discharging system.	1000 +/- 50	4 yrs. +/- 60 days	1000 or OCTOBER 2027
Emergency battery package (if MAM 62-002 is NOT installed)	-N/A-	2 yrs. +/- 30 days	N/A; MAM62-002 Incorporated.

- The following STC's are incorporated:
 - FAA STC No. SA000181B (Beringer wheel and brake system)
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO FAA TYPE CERTIFICATE A00012NY Rev. No. 2, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2023-26 all applicable AD's complied with
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.
- For the latest and most applicable maintenance requirements, please refer to the Diamond Aircraft Maintenance Manual (AMM).

[Signature]
 Inspector

DEC 18 2023

date

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(Date) DEC 20 2023, has been installed in the Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO Section AIR-8A5 on:

(Date) DEC 20 2023

(Print) R. Salton (Signature) *[Signature]*



Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENTS)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

wo: WO_632



Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

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N456SA
TACH: 135.9

DIAMOND AIRCRAFT IND INC, DA 62, S/N: 62.C066
TTSN: 135.9

November 26, 2024

1. C/W 200 / ANNUAL INSPECTION I/A/W DIAMOND AMM 5-28-50 ITEMS.
2. C/W ELT Inspection IAW FAR 91.207(D). NDN, Next due: 12/2029.
3. Checked AD's through Bi-Weekly date: 2024-23.
4. Checked MSB's for compliance.
5. C/W Autopilot mechanical check IAW Diamond DA62 AMM ch. 22-10-00 part 12.
6. R&R ECU Backup Batteries with new. Installed (4) P/N NP7-12 DIAMOND - 12V BATTERY, Batt 2, Diamond.
7. C/W MSB62-003/9 G1000 Software by verifying installed software.
8. C/W MSB62-051/1 by replacing retaining rings in landing gear IAW WI-MSB 62-051 Rev. 1. Installed (6) P/N DIN471-20x1.2-MZP - RETAINING RING, Installed (4) P/N DIN471-20x1.2-MZP - Retaining Ring, Installed (2) P/N DIN471-20x1.2-MZP - Retaining Ring.

I certify that this AIRFRAME has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_632.

Jeff Pleiman A/P I/A 3304319

wo: WO_1002



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N456SA
TACH: 304.5

DIAMOND AIRCRAFT IND INC, DA 62, S/N: 62.C066
TTSN: 304.5

January 16, 2026

1. C/W Annual/200 Hour in accordance with FAR Appendix D using Diamond DA62 AMM ch. 5-28-50.
2. C/W ELT Inspection IAW FAR 91.207(D). NDN, Next due: 1/2027 ELT battery date due: 12/2029.
3. Checked AD's through Bi-Weekly date: 2026-01.
4. Checked MSB's for compliance.
5. C/W Autopilot mechanical check IAW Diamond DA62 AMM ch. 22-10-00 part 12.
6. C/W ECU backup battery replacement. Installed (4) P/N NP7-12 DIAMOND - 12V BATTERY, Batt 2, Diamond.
7. Main battery passed capacity test @ 89%.
8. Performed visual inspection of the Center Wing Spar B at location of LH drain hole 1.37 per AMM-TR-MAN-501130, NDN at this time due every 200 hours. Next due 504.5.
9. Bled brake system and ops tested good.

I certify that this AIRFRAME has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_1002.

Jeff Pleiman A/P I/A 3304319

wo: CVG145-26004

Airframe · page 1 of 1

Air Elite LLC · 122 New Price Pike · Erlanger, KY 41018 · (513) 441-1450 · CRS#: 5A8R960B

N456SA
TACH: 317.6

DIAMOND AIRCRAFT IND INC, DA 62, S/N: 62.C066

January 26, 2026

Complied with 24 month 91.411 and 91.413 Inspection to 20,000 Ft IAW Far 43 Appendix E and F. No discrepancies Noted at this time.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Air Elite LLC under work order: CVG145-26004.

Hane Webb CRS 5A8R960B

AIR ELITE LLC. CRS # 5A8R960B

WO# CVG145-26004

REGISTRATION # N 4565A

SN # 62.0066

ALTITUDE	ERROR	ALTITUDE	ERROR
-1000	0	12000	-30
0	0	14000	-30
500	0	16000	-40
1000	0	18000	-40
1500	0	20000	-40
2000	0	25000	~~~~~
3000	0	30000	~~~~~
4000	0	35000	~~~~~
6000	-10	40000	~~~~~
8000	-20	45000	~~~~~
10000	-20	50000	~~~~~
At-15	ALTIMETER CORRECTION CARD		REV 2

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

wo: WO_1002

Airframe - page 1 of 1



Steel Aviation - 53 North Street Ext - Phillipsburg, Ohio 45354 - 937 332 7587

N456SA
TACH: 317.6

Diamond , DA62, S/N: 62.C066
SINCE NEW (TACH): 317.6

February 04, 2026

1. Removed De-Ice strainer / Cleaned/ inspected. installed.
2. Inspected magnetic compass NDN at this time.
3. Performed 2yr. landing gear damper fluid replacement w/ new Aeroshell #41 Serviced with P/N Aeroshell 41 - Hydraulic fluid, 5606.
4. C/W LPS FUNCTION TEST, NDN.
5. Installed new Beringer brake rotors on LF/RH Calipers, & brake linings on LF/RH calipers torqued all Allen bolts to 220 in/lbs. main axle mounting bolts torqued per chapter 20. Installed (4) P/N PQ-110.1(A) - Beringer Brake Pad AEROTEC+ Pro Elite, Installed (2) P/N DSC-009.5(A) - Brake Disc.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_1002.

Jeff Pleiman A/P I/A 3304319