

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

AIRCRAFT DATA

- | | |
|---|-----------------|
| 1. Nationality and Registration: | N23DA |
| 2. Manufacturer's designation: | DA 50 C |
| 3. Manufacturer's Serial Number: | 50.C.A.A.055 |
| 4. Type Approval or Specification Number: | A00064IB Rev. 2 |
| 5. Date of Manufacture: | February 2024. |
| 6. Aircraft Inspections cycle: | |

Section 1: Airframe Log



AMO 161-93

Aircraft Reg: N23DA
Work Order: S0074768

Date: May 15, 2024

T)

	Make	Model	SN		
Airframe	Diamond	DA 50 C	50 C.A.A.055	TSN:	32.6 Hrs.
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	32.6 Hrs.
Prop	MT-Propeller	MTV-12-D210-56	230724	TSN:	32.6 Hrs.

The following information has been transcribed from the aircraft production records & ferry flight log:

- Compass swing performed February 14, 2024:

FOR	N	30	60	E	120	150
STEER	000	029	059	090	121	150
FOR	S	210	240	W	300	330
STEER	179	209	239	270	300	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: February 15, 2024
 - Next Due: February 14, 2026
- ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with CAR Standard 571, Appendix F and 14CFR 91.217 & 91.413.
 - Test Date: February 15, 2024
 - Next Due: February 14, 2026

The Following Limitations as per DA 50 C AMM Doc No. 9.02.01 Issue 11, Chapter 04 - Subject to change with AMM revision, always refer to latest revision:

- Certification Maintenance Requirements:

ATA Ch.	Component	Hours	Years	Next Due
51	Bonding System and static discharging system	1000 +/- 50	4 +/- 60 Days	1000 hrs/ February 14, 2028

Garmin G1000 Installation:

Software Version:	2576.03	FileCharts Expiry:	2024-05-16
Obstacle Database Expiry:	2024-05-16	SafeTaxi Expiry:	2024-05-16
Navigation Database Expiry:	2024-05-16	ChartWise Expiry:	N/A
GTX 145 Software Version:	V2.60	Act. Directory Expiry:	2024-05-16

Import Summary:

- Aircraft Imported with Export Certificate of Airworthiness, No.3558/24, dated March 6, 2024.
- USA Registration Letters "N23DA" installed on fuselage side surface I.A.W. FAR45.25 (b) (2).
- ELT & TXPR reprogrammed & verified for USA Registration "N23DA":
 - ELT Hex Code: A20673, ELT Hex ID: ADC64926650CB81, ELT P/N: S1851501-02 S/N: TM0000292590, ELT Battery Due Date: February 1, 2030
 - TXPR P/N: 011-03303-00 S/N: 3EH031910
- ELT function checked I.A.W. CAR 571 appendix G and FAR 91.207 par D.
- Transponder default VFR code set to 1200.
- COM frequency channel spacing set to 25 KHz.
- Removed Turtle Pac ferry tank and pump assembly IAW Diamond work instructions WI-FCDN 50-011 Rev. 1.
 - Turtle Pac PN: D66X SN: 4412
- Removed ferry seat bench and reinstalled original PAX seat bench IAW DA 50 C AMM 9.02.01 Issue 11 Ch. 25-10-15.
 - Removed ferry bench PN: D67-2521-00-00 Installed original PAX seat bench PN: D67-2521-03-00-S1+S2.
- Current Aircraft Weight and balance information as found in AFM 9.01.01-E Issue: 14 Ch. 6 dated May 14, 2024.
 - Current Empty Weight = 1488.5 kg OR 3281.58 lbs
 - Current Empty C of G = 2.368 m OR 93.228 in
 - Max Ramp Weight = 1999 kg OR 4407.04 lbs
 - Current Useful Load = 510.5 kg OR 1125.46 lbs
- IAW DA 50 C NAM 50-007/c (Operation in USA), the following design change advisories have been reviewed and found to be carried out:
 - MAM 50-097, MAM 50-270
- Power connectors JA & JB installed IAW OAM 50-042/a (Ferry Tank Provisions) have been capped and stowed behind instrument panel. 10 Amp CB "ACC-Power" pulled and locked.
- Co-Pilot removable control stick removed and reinstalled to facilitate above work.
- Oil sample and Oil filter replacement performed IAW CAT CD-300 MM OM-06-01 Ch. 6.
- Adjusted fuel quantity frequency limits IAW Diamond Aircraft RAM 50-002/a.
- Airframe documentation inspected for Major Mod's and/or STC's incorporated. None Found.
- All applicable Airworthiness Directives, Service Bulletins complied with. See attached report.
- AWD BI-weekly checked thru 2024-09.

An Independent inspection has been carried out on the flight controls affected by the work performed.

Signature:

ACA



I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO TYPE CERTIFICATE: A000641B Revision No. 2 AND IS IN A FIT AND SAFE STATE FOR FLIGHT

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA



NAME/
SIGNATURELICENCE
AME or
AMO/ACA

I find that this aircraft meets the requirements for
the certificate requested and have issued
Standard Airworthiness Certificate Dated

MAY 17, 2024



John Polonenko, DAR-T 055245268



Aircraft Reg: N23DA
Work Order: S0074768

Date: May 22, 2024

AMO 161-93

	Make	Model	SN	TSN:	32.6 Hrs.
Airframe	Diamond	DA 50 C	50 C A A 055	TSN:	32.6 Hrs.
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	32.6 Hrs.
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN:	32.6 Hrs.

The following work was performed:

- Engine oil pressure transducer replaced with new IAW CD-300 RM-06-01 Ch 39-40.01
PN 06-7930-E000102

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: 



Aircraft Reg: N23DA
Work Order: S0074768

Date: May 27, 2024

AMO 161-93

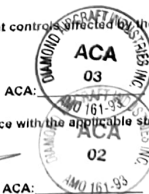
	Make	Model	SN	TSN:	33.6 Hrs.
Airframe	Diamond	DA 50 C	50 C A A 055	TSN:	33.6 Hrs.
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	33.6 Hrs.
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN:	33.6 Hrs.

The following work was performed:

- RACC control head removed and reinstalled in correct orientation
- RH door FWD microswitch adjusted as required
- RH outboard flap long push rod outboard fork end adjusted one turn out (OB flap down)
- Re-sealed RH gear safe light bulb

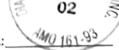
An independent inspection has been carried out on the flight controls affected by the work performed.

Signature: 



The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: 

ACA: 

Section 1: Airframe Log

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



AMO 161-93

Aircraft Reg: N23DA
Work Order: S0074768

Date: May 28, 2024

	Make	Model	SN	TSN:	
Airframe	Diamond	DA 50 C	50 C.A.A.055	TSN:	34.2 Hrs
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	34.2 Hrs
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN:	34.2 Hrs

The following work was performed:

- RH inboard flap short rod adjusted out (Flap Down) one turn.

An independent inspection has been carried out on the flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:



AMO 161-93

Aircraft Reg: N23DA
Work Order: S0074768

Date: May 30, 2024

	Make	Model	SN	TSN:	
Airframe	Diamond	DA 50 C	50 C.A.A.055	TSN:	34.7 Hrs
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	34.7 Hrs
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN:	34.7 Hrs

The following work was performed:

- RH outboard flap long push rod outboard fork end adjusted one turn out (OB flap down).
- LH outboard flap long push rod outboard fork end adjusted one turn in (OB flap up).

An independent inspection has been carried out on the flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:



AMO 161-93

Aircraft Reg: N23DA
Work Order: S0074768

Date: May 31, 2024

	Make	Model	SN	TSN:	
Airframe	Diamond	DA 50 C	50 C.A.A.055	TSN:	35.2 Hrs
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	35.2 Hrs
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN:	35.2 Hrs

The following work was performed:

- RH outboard flap long push rod inboard fork end adjusted one turn out (OB flap down).

An independent inspection has been carried out on the flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:

NAME:
SIGNATURELICENCE
AMECA
AMCAAircraft Reg: N23DA
Work Order: S0074768

Date: June 04, 2024

AMO 161-93

	Make	Model	SN	TSN	
Airframe	Diamond	DA 50 C	50 C A A 055	TSN	35 7 Hrs
Engine	Continental	Centurion 3.0	06-01-00084	TSN	35 7 Hrs
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN	35 7 Hrs

The following work was performed:

- LH outboard flap long push rod fork end adjusted one turn in (flap up)
- LH inboard flap short rod adjusted one turn ~~in~~ (flap up)

An independent inspection has been carried out on the flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:

Aircraft Reg: N23DA
Work Order: S0074768

Date: June 04, 2024

AMO 161-93

	Make	Model	SN	TSN	
Airframe	Diamond	DA 50 C	50 C A A 055	TSN	36 3 Hrs
Engine	Continental	Centurion 3.0	06-01-00084	TSN	36 3 Hrs
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN	36 3 Hrs

The following work was performed:

- LH aileron adjusted at short rod AFT rod end connection 1/2 turn in

An independent inspection has been carried out on the flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:

Aircraft Reg: N23DA
Work Order: S0074768

Date: June 05, 2024

AMO 161-93

	Make	Model	SN	TSN	
Airframe	Diamond	DA 50 C	50 C A A 055	TSN	36 7 Hrs
Engine	Continental	Centurion 3.0	06-01-00084	TSN	36 7 Hrs
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN	36 7 Hrs

The following work was performed:

- LH outboard flap long push rod outboard fork end adjusted one turn out

An independent inspection has been carried out on the flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:

Section 1: Airframe Log

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



AMO 161-93

Aircraft Reg: N23DA
Work Order: S0074768

Date: July 16, 2024

	Make	Model	SN		
Airframe	Diamond	DA 50 C	50.C.A.A.055	TSN:	37.1 Hrs.
Engine	Continental	Centurion 3.0	06-01-00084	TSN:	37.1 Hrs.
Prop	MT-Propeller	MTV-12-D/210-56	230724	TSN:	37.1 Hrs.

The following work was performed:

- G1000 databases updated as required.
- Complied with Diamond **MSB 50-002/3**. Updated engine software IAW CAT doc. **TM TAE 000-0007 Rev. 61**. See form one tracking # P20767/2024.
- Verified compliance with Diamond **RSB 50-007**. Found N/A by aircraft S/N.
- Verified compliance with Diamond **MSB 50 -008**. Found N/A by aircraft S/N.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: _____

ACA: _____



MAKE: Diamond
MODEL: DA-50C
S/N: 50.CAA055
REG. NO: 23DA
WORK ORDER:
10755-07-2024



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/20/2024
A/C TSN: 49.3
TACH: 49.3

Airframe Entries

- (2) REPLACED NLG DAMPER ASSY WITH NEW P/N D54-3220-14-00 AND REPLACED NLG STEERING CENTERING UNIT WITH NEW P/N D54-3220-60-00 IAW DA50 MM CH 32-20.
- (5) REPLACED CURRENT SENSOR #1 WITH NEW P/N DA4-2466-12-00 IAW DA50 MM CH 20-30.
- (10) REPLACED RH BRAKE CALIPER AND BRAKE LININGS ASSY WITH NEW P/N 30-233E S/N 1230 IAW DA50 MM CH 32-40. BLED BRAKES AND SERVICED IAW CH 12.
- (11) REMOVED RH REAR EMERG EXIT WINDOW, ADJUSTED SEAL AT UPPER AFT SECTION AND RE INSTALLED WINDOW IAW DA50 MM CH 52-22.
- (12) INSTALLED BATTERY MINDER AIRFRAME INTERFACE KIT BM-AIK2A HARNESS I/A/W ENHANCED FLIGHT INSTALL MANUAL 752-647 E 20221207 AND AC43.13-2B CHAPTER 11.

DATE: 8/20/2024

SIGNED: _____

Work Order: 10755-07-2024

Emmanuel Vicioso, A&P: 3708718

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MAKE: Diamond
MODEL: DA-50C
S/N: 50.CAA055
REG. NO: 23DA
WORK ORDER:
10755-07-2024



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/29/2024
A/C TSN: 50
TACH: 50

Airframe Entries

- (15) REPLACED AIR CONDITIONER UNIT P/N D54-2153-37-00 S/N 36 WITH SERVICEABLE AIR CONDITIONER UNIT P/N D54-2153-37-00 S/N 03 IAW DA50C AMM CH 21-50. OPS CHECK GOOD.

DATE: 8/29/2024

SIGNED: _____

Work Order: 10755-07-2024

Emmanuel Vicioso, A&P: 3708718

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PAGE
TOTALS

CARRY FORWARD to Top of Next Page

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

DA 50 C

Airplane Serial Number: **50. C.A.A.055**Registration Number: **N23DA**Check: 100 Hrs.

REMARKS:

	Make	Model	S/N		
Airframe	Diamond	DA 50 RG	50.C.A.A.055	TSN	103.0
Engine	Continental	Centurion 3.0	06-01-00084	TSN	103.0
Propeller	MT Propeller	MTV-12-D/210-58	23724	TSN	103.0

1. Complied with 100 hours check I/A/W the following sections of Diamond aircraft DA 50 C AMM Doc No.: 9.02.01, 05-10-02, 05-42-02 through 05-42-34, 05-20-04, 05-41-01 through 05-41-05
2. Oil samples and oil filter replacement performed IAW CD-300 MM OM-06-01 Chapter 6
3. All applicable Airworthiness Directives found complied with through FAA Federal Bi-Weekly 2024-22

-----LAST LINE-----

This airplane was inspected and repaired in accordance with the latest manufacturer instructions and procedures and current Federal Aviation Regulations and is approved for return to service for the work performed



JORGE SOTO VARGAS

MRPV
PlaceNOV/10/24
DateJ.S.V.
Authorized

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)																																								
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL																																									
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CARRIED FORWARD																																															
DA 50 C																																															
Airplane Serial Number: 50. C.A.A.055						Registration Number: N23DA																																									
Check: 200 (100 hr, 200 hr, 1000 hr, 2000 hr, Annual)																																															
REMARKS:																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Make</th> <th>Model</th> <th>S/N</th> <th>TSN</th> <th></th> </tr> </thead> <tbody> <tr> <td>Airframe</td> <td>Diamond</td> <td>DA 50 C</td> <td>50.C.A.A.055</td> <td>TSN</td> <td>198.7</td> </tr> <tr> <td>Engine</td> <td>Continental</td> <td>Centurion 3.0</td> <td>06-01-00084</td> <td>TSN</td> <td>198.7</td> </tr> <tr> <td>Propeller</td> <td>MT Propeller</td> <td>MTV-12-D/210-58</td> <td>23724</td> <td>TSN</td> <td>198.7</td> </tr> </tbody> </table>									Make	Model	S/N	TSN		Airframe	Diamond	DA 50 C	50.C.A.A.055	TSN	198.7	Engine	Continental	Centurion 3.0	06-01-00084	TSN	198.7	Propeller	MT Propeller	MTV-12-D/210-58	23724	TSN	198.7																
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Propeller	MT Propeller	MTV-12-D/210-58	23724	TSN	198.7																																										
- Complied with 200 hours check I/AW the following sections of Diamond aircraft DA 50 C AMM Doc No.: 9.02.01, 05-10-05 through 05-10-08, 05-42-04 through 05-42-53, 05-20-06 through 05-20-11, 05-41-02 through 05-41-09 and lubrication schedule 12-20-2 - Oil sample and oil filter replacement performed IAW CD-300 MM OM-06-01 Chapter 6 - Replaced Transfer fuel filter P/N FX375-MK S/N off 53880, S/N on 51129, operational ground and leak check performed satisfactorily. - Performed autopilot mechanical check IAW AM/M 22-10-05, test and inspection. - Performed main battery capacity test IAW concord RG series maintenance manual. Battery passes with 90%. - Complied with magnetic compass swing check IAW AMM 34-20-07 found satisfactory. - All applicable Airworthiness Directives found complied with through FAA Federal Bi-Weekly 2025-05 -----LAST LINE-----																																															
This airplane was inspected and repaired in accordance with the latest manufacturer instructions and procedures and current Federal Aviation Regulations and is approved for return to service for the work performed																																															
<i>MRPV</i> Place <i>APR/3/2025</i> Date <i>Jorge A Soto V</i> <i>[Signature]</i> <i>APR 25 2025</i> Authorized																																															
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PAGE TOTALS							CARRY FORWARD to Top of Next Page																																								

DA 50 RG					
REGISTRATION	N23DA				
	Make	Model	S/N		Hrs.
Airframe	Diamond	DA 50 C	50.C.A.A.055	TSN	198.7
Engine	Continental	Centurion 3.0	06-01-00084	TSN	198.7
Propeller	MT Propeller	MTV-12-D/210-56	230724	TSN	198.7

- 1- Complied with 200 hours / Annual Inspection on this Diamond Aircraft DA 50 C, IAW AMM DOC No. 9.02.01, 05-10-05 through 05-10-08, 05-42-04 through 05-42-53, 056-20-06 through 05-20-11, 05-41-02 through 05-41-09 and lubrication schedule 12-20-2, no defects noted at this time.
- 2- Checked AD's Through FAA Small Federal BI-Weekly 2025-10, No AD's were found applicable to this aircraft.

This Aircraft was inspected in accordance with the latest manufacturer instructions and procedures and current Federal Aviation Regulations and is approved for return to service for the work performed

Place MRPV

Date MAY. 24. 2025

Mechanic

(Signature) 3

AD4074179 IA

DA 50 C					
Registration Number: N23DA					
Check: BATTERY REPLACE					
	Make	Model	S/N		
Airframe	Diamond	DA 50 C	50.C.A.A.055	TSN	255.00
Engine	Continental	Centurion 3.0	06-01-00084	TSN	255.00
Propeller	MT Propeller	MTV-12-D/210-58	23724	TSN	255.00

1. Replaced main battery p/n RG24-15 s/n off 41284238 and installed new battery p/n RG24-15 s/n on 41459830, IAW AMM 24-31-02 to 24-31-06

—LAST LINE—

JORGE SOTO VARGAS

Place MRPV

Date AUG/14/2025

Authorized

21122582541