

AIRCRAFT TECHNICAL RECORD

N53RG

REGISTRATION

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

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AIRCRAFT DATA

- | | |
|---|-----------------|
| 1. Nationality and Registration: | N53RG |
| 2. Manufacturer's designation: | DA 50 C |
| 3. Manufacturer's Serial Number: | 50.C.A.A.052 |
| 4. Type Approval or Specification Number: | A00064IB Rev. 2 |
| 5. Date of Manufacture: | April 2024 |
| 6. Aircraft Inspections cycle: | |

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		

DETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)



AMO 161-93		Work Order: 50074814			
	Make	Model	SN		
Airframe	Diamond	DA 50 C	50.C.A.A.052	TSN:	37.5 Hrs.
Engine	Continental	Centurion 3.0	06-01-00107	TSN:	37.5 Hrs.
Prop	MT-Propeller	MTV-12-D/210-56	230722	TSN:	37.5 Hrs.

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

- Compass swing performed March 27, 2024:

FOR	N	30	60	E	120	150
STEER	000	030	061	091	121	152
FOR	S	210	240	W	300	330
STEER	181	209	240	271	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: April 10, 2024
 - Next Due: April 10, 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: April 10, 2024
 - Next Due: April 10, 2026
- Following limitations as per DA 50 C AMM Doc No. 9.02.01 Issue 12, 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/ April 9, 2028

- Garmin G1000 Installation:

Software Version:	2576.03	FileChairs Expiry:	2024-08-08
Obstacle Database Expiry:	2024-09-05	SafeTaxi Expiry:	2024-09-05
Navigation Database Expiry:	2024-08-08	ChartView Expiry:	N/A
GTx 345 Software Version:	V2.60	Apt Directory Expiry:	2024-09-05

Import Summary:

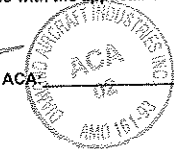
- Aircraft Imported with Export Certificate of Airworthiness, No.3579/24, dated April 30, 2024.
- USA Registration Letters "N53RG" installed on fuselage side surface I.A.W. FAR45.25 (b) (2).
- ELT & TXPR reprogrammed & verified for USA Registration "N53RG":
 - ELT Hex Code: A6AF92, ELT Hex ID: ADC64926050AAB1, ELT P/N: S1851501-02 S/N: TM0000301104, ELT Battery Due Date: March 1, 2030
 - TXPR P/N: 011-03303-01 S/N: 3EH044492
- 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: D33X SN: 4496 & 6174
- Removed ferry seat bench and reinstalled original PAX seat bench IAW DA 50 C AMM 9.02.01 Issue 12 Ch. 25-10-15.
 - Removed ferry bench PN: D67-2521-00-00 Installed original PAX seat bench PN: D67-2521-03-00-S1+S2, SN: 138
- Current Aircraft Weight and balance information as found in AFM 9.01.01-E Issue: 15 Ch. 6 dated July 30, 2024.
 - Current Empty Weight = 1514.0 kg OR 3337.80 lbs
 - Current Empty C of G = 2.375 m OR 93.505 in
 - Max Ramp Weight = 1999 kg OR 4407.04 lbs
 - Current Useful Load = 485.0 kg OR 1069.24 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, OAM 50-057
- OAM 50-011 (Ice protection system) has been de-activated IAW OAM 50-057/b.
- 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.
- RH AFT baggage pillar repaired IAW DA 50 C AMM 9.02.01 Issue 12 Ch. 51-20-05. Headliner rivnut and attach screw replaced following repair.
- Airframe documentation inspected for Major Mod's and/or STC's incorporated. None Found.
- 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.
- Complied with Diamond MSB 50-008. Horizontal stabilizer bolts retorqued IAW Diamond work instructions WI-MSB 50-008.
- Complied with Diamond RSB 50-007. Flap actuator trigger rod inspected/lubricated IAW Diamond work instructions WI-RSB 50-007.
- All applicable Airworthiness Directives, Service Bulletins complied with. See attached report.
- AWD Bi-weekly checked thru 2024-15.

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO TYPE CERTIFICATE: A00064IB 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:



1a

1b

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

JULY 30, 2024

John Polonenko, DAR-T 055245268



AMO 161-93		Work Order: S0074814		Date: August 1, 2024	
	Make	Model	SN		
Airframe	Diamond	DA 50 C	50.C.A.A.052		
Engine	Continental	Centurion 3.0	08-01-00107	TSN:	38.4 Hrs.
Prop	MT-Propeller	MTV-12-D/210-56	230722	TSN:	38.4 Hrs.
				TSN:	38.4 Hrs.

The following work was performed:

- LH FWD door inner seal adjusted as required.

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

Signature:

ACA:



AMO 161-93		Work Order: S0074814			
	Make	Model	SN		
Airframe	Diamond	DA 50 C	50.C.A.A.052	TSN:	38.8 Hrs.
Engine	Continental	Centurion 3.0	06-01-00107	TSN:	38.8 Hrs.
Prop	MT-Propeller	MTV-12-D/210-56	230722	TSN:	38.8 Hrs.

The following work was performed:

- G1000 databases updated as required.
- OAM 50-011/r "Ice protection system (TKS)" has been enabled for flight into known or forecast icing conditions IAW FAA TCDS A00064IB Rev. 3
 - OAM 50-057/b "De-activation of Ice Protection System" removed.
 - DA 50 C AFM Doc. No: 9.01.01-E Issue 015, Ch. 9 "Supplements" updated. Supplement S003 Issue 002 "Ice protection system for flight into known icing" marked applicable in Table 1. Supplement printed and inserted into AFM Ch. 9.
 - Limitations placard "Alternate static & FIKI" installed IAW AFM Supplement S003 Issue 002 Ch. 2 Fig. 2.

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

Signature:

ACA:

