AIRCRAFT

1. Nationality and Registration N384DM
2. Manufacturer's Designation DA40
3. Manufacturer's Serial Number 40.443
4. Type Approval or Specification Number A-224 / A47CE
5. Date of Manufacture 2004
6. Aircraft Inspection Cycle

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR INSPECTION, REPAIRS & REPLACEMENTS. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW WITH HARTZELL PROPELLOR INSTALLED		
					...LBOCH, GARMIN INTEGRATED AVIONICS SYSTEM INSTALLED AS PER STC No. SA[illegible]		DA Q 13
12 NOV 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT		
15 NOV 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT		
15 NOV 2004			1.	3			C284363
15 NOV 2004			2.	5			C284363
19 NOV 2004			2.	5	AIRCRAFT SERVICEABLE FOR FLIGHT		
19 NOV 2004			3.	4			C284363
19 NOV 2004			3.	9			C284363
22 NOV 2004			3.	9	AIRCRAFT SERVICEABLE FOR FLIGHT		
22 NOV 2004			4.	4			C284363
23 NOV 2004			4.	4	ALL DISCREPANCIES RECTIFIED		
			4.	4	CARRIED FORWARD		

Diamond

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

SERIAL NUMBER	REGISTRATION MARK
40.443	N384DM

Diamond

11 NOV 2004 S/N 40.443
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	001	029	059	088	119	149
FOR	S	210	240	W	300	330
STEER	178	207	237	269	299	331

Diamond

INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE: 12 November, 2004 — INSPECTOR: DA Q 8

Diamond

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

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE FOR FLIGHT.

DATE: 23 November, 2004 — INSPECTOR: DA Q 13

Diamond

...that the ATC Transponder & Altitude Reporting ...(s) have been tested in Accordance with Chapter ..., Appendix F F.A.R. 91:217: & F.A.R. 91:413.

DATE: ...ember, 2004 — INSPECTOR: DA Q 13

Diamond

The ELT was tested and inspected in Accordance with Chapter 571, Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)

ANNUAL INSPECTION DUE: NOVEMBER 2005
BATTERY DUE: JANUARY 2007

DATE: 12 November, 2004 — INSPECTOR: DA Q 13

Diamond

...ify that the Static Pressure system has been ...ed and tested in accordance with Chapter 571, ...dix B of the Airworthiness Manual, and F.A.R. 91:411

DATE: ...ovember, 2004 — INSPECTOR: DA Q 13

Diamond

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

THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE: 12 November, 2004 — INSPECTOR: DA Q 13

Diamond

U.S. STANDARD AIRWORTHINESS CERTIFICATE ISSUED

DATE: NOV 2 4 2004 AND INSTALLED ON THE AIRCRAFT ON BEHALF OF THE F.A.A. ON:

DATE: NOV 2 4 2004

NE-MIDO-46

MINISTÈRE DES TRANSPORTS - MINISTRY OF TRANSPORT
Délégué de l'Aviation civile
Canada
0315
Civil Aviation Delegate

AIR TIME AND ENGINEERING RECORD

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BROUGHT FORWARD			44				

MAINTENANCE RECORD

Date:	December 17, 2004	Page 1 of 1 Pages		Reg. No:	N384DM
Aircraft:	Diamond DA40	Serial #:	40.443	Total time / HM:	39.9 / 39.9
Engine:	Lycoming IO-360-M1A	Serial #:	L-31680-51A	Total time:	39.9
Propeller:	Hartzell HC-C2YR-1BF	Serial #	CH38397B	Total Time:	39.9

The below listed items were accomplished in accordance with Diamond DA40 Aircraft Maintenance Manual and other approved or acceptable data as applicable. Work order discrepancy numbers are shown in brackets [ ], followed, in bold, directly by AD notes and SB's. Task codes listed at end of corrective action as applicable.

Work order PG-04-10190

[500] 100-hour inspection complied with in accordance with 14 CFR Part 43 Appendix D using Diamond DA40 Series AMM Maintenance Practices and Checklist Doc# 6.02.01, Rev 4, as an aid.

[001] Adjusted elevator trim rigging.

I certify that the above listed items have been completed, and with regard to the above items, that this aircraft has been approved for return to service.

Signed _____

Central Flying Service, Inc.
1501 Bond Street, Little Rock, AR 72202 Phone: (501) 375-3245, (800) 888-5387 CRS No. HBKR587E FAX (501) 374-2150

19JAN 05			43.2				

Denton Jet and Aviation Center 19/Jan/05
5050 Warbird Dr. Denton, TX. 76207
Office 940-484-5998 Fax 940-380-1538
Diamond DA40 N384DM S/N 40.443
Hobbs 43.2
Adjusted elevator trim tab position per Diamond Maintenance Manual 27-38-00 and 06-00-00 Fig.4. New rigging performance is -38 Deg. Nose down -20 Deg. Neutral and +14 Deg. Nose up. Safety wire and Torque striped all adjustable locations. Tested in flight and checked good per M/M and flight Checklist.

John E. Logan A&P 573699381

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD						
29 Jun '05	80	0	80	0	REMOVED AND REPLACED MAINTENANCE MANUAL CH. 22- S/N OFF 9565 P/N ON ROLL SERVO OPERATIONAL		
3 Jul 05	82	2	82	2	REMOVED AND REPLACED MAINTENANCE MANUAL. P/N R624-15M. BATTERY		
	Hobbs						
10 Aug '05	121.8				PERFORMED 100 HR. INSPECTION RAN ENGINE AND PERFORMED ALL CHECK GOOD AT THIS TIME #1-73 #2-72 #3-71 #4-71 OPEN FILTER NO DEFECTS NOTED CH48110-1. RAN FOR LEAK GOOD. INSPECTED AIRCRAFT NOTED, INSPECTED LANDING BEARINGS NO DEFECTS NOTED INSPECTED ALL FLIGHT CONTROLS SEAT TO COMPLY WITH C/W NO OTHER DEFECTS FUNCTION CHECK OF ALL ALL INSPECTION PLATES REMOVED AIRCRAFT WASHED AND READY		
					CARRIED FORWARD		

HEARTLAND AVIATION INC
1725 S. Airport Road #5
Manhattan, Kansas 66503
(785) 537-9200

7/13/05 HM 111.0 N384DM

INSTALLED A NEW RH MAIN TIRE AND TUBE. GOODYEAR 15X600-6 6 PLY FLIGHT SPECIAL II.

GORDON J. SMITH AP514647274

					ROLL SERVO, KS271C PER DIAMOND 10-00. P/N OFF 065-00179-0300 065-00179-0300 S/N ON 10821. CHECK GOOD PER M.M. AT THIS TIME.		5736538
					AIRCRAFT BATTERY PER DIAMOND BATTERY IS NEW CONCORD TEST AND OPERATIONAL TEST NORMAL		5736538

July 14, 2005 TACH: 103.8 N384DM S/N: 40-443
Removed 1394T100-12Z Turn Coordinator, Installed 1394T100-12A Turn Coordinator with new right angle MS connector. New equipment checked IAW MPS OK.

A/C approved for return to service.

Daniel L Wiese
for Caris Midwest Aviation CRS XM5R897H

					PER DIAMOND MAINTENANCE MANUAL 05-20.00 ENGINE CHECK OUT AND MAGNETO CHECK ENGINE COMPRESSION CHECK WAS C/W CHANGE ENGINE OIL AND FILTER. CHT OIL IS AEROSHELL 15-50 8qts. FILTER CHECK NO LEAKS NOTED. BATTERY CHECK STRUCTURE AND CANOPIES NO DEFECTS GEAR AND TIRE ASSEMBLIES, GREASED		
					NO DEFECTS NOTED. REMOVED REAR REPAIR S/N 40.443 RAM 40-048 NOTED WITH REFERANCE TO REPAIR S/N 40.443. ELECTRICAL SYSTEMS ALL CHECK GOOD AND REPLACED FOR INSPECTION OF AIRCRAFT FOR RETURN TO SERVICE.		5736538

N384DM Airframe Log Entry
Serviced left and right side brakes with 5606 and checked braking operation. Removed left brake caliper, cleaned, inspected and reinstalled. This aircraft is approved for return to service with regard to the work performed
Date: 10/29/05 Tach: 128.6

Zachary P. Ortiz, A/P, 2729649

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER

FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K
LOG ID# 1881 23-January-2006 WO# 12625/1 REF# 12625 Document# FL13 AC TT 166.9
N384DM S/N 40.443 DIAMOND AIRCRAFT DA-40 Pg 1 / 1

ACTION: Installed Garmin GDL-69A and GA-55 XM antenna as per Diamond Aircraft Operational Service Bulletin No. OSB-40-042. Revised weight, balance and equipment list, performed compass swing.

Model: GDL-69A Part#: 011-00987-00 Serial#: 47754651
Model: GA-55 Part#: 011-01033-00 Serial#: 87503344

The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

Mark Pledger 1-23-06
DG2R767K MARK PLEDGER for Flite Electronics Date

FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K
LOG ID# 1906 23-January-2006 WO# 12723/1 REF# 12723 Document# FL13 AC TT 166.9
N384DM S/N 40.443 DIAMOND AIRCRAFT DA-40 Pg 1 / 1

**** ITEM # 12723-1 G-1000 SB 0539 ****
DISCREPANCY: Comply with mandatory Service Bulletin 0539.
Model: G-1000
ACTION: Performed mandatory Software upgrade from version 0369-06 to version 0369-08 in accordance with Garmin Service Bulletin 0539. System ramp check normal.

The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

Mark Pledger 1-23-06
DG2R767K MARK PLEDGER for Flite Electronics Date

FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K
LOG ID# 1905 23-January-2006 WO# 12725/1 REF# 12725 Document# FL13 AC TT 166.9
N384DM S/N 40.443 DIAMOND AIRCRAFT DA-40 Pg 1 / 1

**** ITEM # 12725-1 GIA-63 ****
DISCREPANCY: Comply with mandatory Garmin Service Bulletin 0522.
Model: GIA-63 Part#: 011-00781-00 Serial#: 46901887
ACTION: Removed GIA-63 from aircraft, confirmed GIA-63 required SB 0522. Replaced covers in accordance with Garmin Service Bulletin 0522. Reinstalled GIA-63 in aircraft. System ramp check normal.

**** ITEM # 12725-2 GIA-63 ****
DISCREPANCY: Comply with mandatory Garmin Service Bulletin 0522.
Model: GIA-63 Part#: 011-00781-00 Serial#: 46902588
ACTION: Removed GIA-63 from aircraft, confirmed GIA-63 required SB 0522. Replaced covers in accordance with Garmin Service Bulletin 0522. Reinstalled GIA-63 in aircraft. System ramp check normal.

The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

Mark Pledger 1-23-06
DG2R767K MARK PLEDGER for Flite Electronics Date

CARRIED FORWARD

4

N384DM Airframe Log Entry
Performed an Annual Inspection IAW Diamond DA-40 AMM Maintenance Checklist and per FAR 43, appendix "D". **C/W FAR 91.207**, ELT operational check. **C/W DAI MSB 40-046**, visual inspection of nose gear leg. **C/W DAI MSB 40-044/1**, Installation of muffler brace. **C/W DAI MSB 40-033**, cracks on exhaust flanges, no longer required due to installation of muffler brace. Replaced red nav light bulb with new P/N: W-1290-28. Replaced instrument flood light inverter with new P/N: APVL328-4-1-L-5QF. Set rudder cable tension to 37-38 lbs. Aircraft test flown and ops checked well. I certify that this Aircraft has been inspected in accordance with an **Annual** Inspection and Appendix D to Part 43 and was determined to be in airworthy condition.
Date: 02/18/06 Tach: 163.5 TTAF: 163.5
Zachary P. Ortiz, A/P, IA 2729649

Nov. 3, 2006
N 384DM Diamond DA 40 sn. 443

Repaired minor carbon damage in misc. areas on nose, main wheel fairings and cover plates with Interglas 98141 and MGS 285/286 resin. Refinished where required with Imron 5000 #752891HN. All repairs done in accordance with Diamond DA 40 Maintenance Manual Rev.4.

Larry Mansberger
A&P 348503761
Mansberger Aircraft
758 Aviator Dr.
Fort Worth TX 76279
Ph. 817-439-5977

FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K
LOG ID# 2193 02-November-2006 WO# 13282/1 REF# 13282 Document# FL13 AC TT 279.1
N384DM S/N 40.443 DIAMOND AIRCRAFT DA-40 Pg 1 / 1

**** ITEM # 13282-1 PFD - PILOT G-1000 ****
DISCREPANCY: PFD delaminating.
Model: GDU-1040 Part#: 011-00972-00 Serial#: 86500956
ACTION: Removed PFD model GDU-1040 p/n 011-00972-00 s/n 86500956 and sent to factory for repair. Reinstalled PFD after factory repair. Software levels do not match. Configured system as required. System ramp check normal.

**** ITEM # 13282-2 MFD - CO-PILOT G-1000 ****
DISCREPANCY: MFD delaminating.
Model: GDU-1040 Part#: 011-00972-00 Serial#: 86501127
ACTION: Removed MFD model GDU-1040 p/n 011-00972-00 s/n 86501127 and sent to factory for repair. Reinstalled MFD after factory repair. Software levels do not match. Configured system as required. System ramp check normal.

The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

Mark Pledger 11-2-06
DG2R767K MARK PLEDGER for Flite Electronics Date

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N384DM
Diamond DA40
SN: 40.443

Airframe Log Entry

November 1, 2006 Hour Meter: 279.9 Total Time: 244.5 ETSN: 244.5 PTSN: 244.5

Complied with an ANNUAL inspection IAW Diamond Aircraft DA-40 series MM inspection guide. Installed new LH and RH main tires Goodyear Flight Special II 15.00 x 6-6, LH sn 51127192, RH sn 51117211 using new tubes. Installed new nose tire Goodyear Flight Special II 5.00x5-6, sn 61550339, using new tube. Installed new LH fuel quantity transmitter pn 3010011WIP. Installed new LH and RH wing walk. Adjusted propeller and engine control, for proper operation. Installed new pilots seat assy pn DA4-2583-11-1X01-1AA and co-pilots seat pn DA4-2583-11-1X01-1AA. Installed new LH and RH wing root seals. Installed new emergency battery pack pn D41-2560-93-00, sn 06-167-8809. Installed new nose wheel fairing attach hardware. Touched up paint on aircraft and blended paint around LH jack pad. CW 12mo fire extinguisher weight check.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #06-2586 ON FILE AT THIS STATION. DATED 11/1/2006. INSPECTED BY _____ FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

MAKE: Diamond
MODEL: DA-40
S/N: 40.443
REG. NO: 384DM
WORK ORDER:
1101-03-2007

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

DATE: 3/15/2007
A/C TSN: 263
HOBBS: 301.1

Airframe Entries

REMOVED WINGS AND FUEL TANKS IAW DA40 M/M. INSTALLED LONG RANGE FUEL TANK KIT OSB40-010/1. WIRED O/B FUEL PROBES INTO MAIN WIRING IAW SERVICE INSTRUCTIONS. RE INSTALLED WINGS AND CALLIBRATED FUEL QUANTITY IAW DA40 M/M.... REPLACED ALTERNATE STATIC VALVE WITH NEW P/N CCA-7450.... INSTALLED OSB-40-050 EXTERNAL STATIC SOURCE KIT FOR KAP 140 IAW WORK INSTRUCTIONS. OPS CHECKED GOOD.... RE CONFIGURED G1000 DA-40 0369-12 SOFTWARE CONFIGURATION I/A/W DA-40 FIELD UPDATE INST 190-00544-01.REWIRED GMA CREW AUDIO MUSIC INPUT. G1000 FUCTIONS GROUND CHECK NORM.... C/W STATIC SYSTEM LEAK CHECK BY TROPIC RADIO. STATIC SYSTEM WITHIN TOLERANCE... REPLACED RH WING ROOT SEAL WITH NEW P/N B6000676.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 3/15/2007 SIGNED: _____ Work Order: 1101-03-2007
Emmanuel Yacioso, A&P: 592157851
Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA-40
S/N: 40.443
REG. NO: 384DM
WORK ORDER:
2414-09-2008

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

DATE: 10/24/2008
A/C TSN: ~~260~~ 376.1
HOBBS: ~~301.1~~ 429.4

Airframe Entries

INSTALLED WAAS GPS SYSTEM WITH OUT VNAV. I/A/W GARMIN G1000/KAP-140/WAAS FIELD UPDATE INSTRUCTIONS 190-00544-03 REV.1 GARMIN DWG. 005.00400-11 REV.4,-10 REV.7,-12 REV.3,-13 REV.1 AND POST INSTALL AND CHECK OUT INSTRUCTION 190-00544-02 REV.7. G1000 DA-40 SYSTEM SOFTWARE 0321.19 CONFIGURATION-1 INSTALLED. ALL GROUND AND FLIGHT CHECKS OK. REVISED P/O/H SUPPLEMENT 190-00492-10 REV.2 INSTALLED. UPDATED NAV DATA.... REPLACED PFD COOLING FAN WITH NEW P/N 305468-00, S/N 2533. REPLACED MFD COOLING FAN WITH NEW P/N 305468-00, S/N 2532. OPS CHECKED GOOD.... INSTALLED SVT AND NEW DATA CARDS P/N 010-00330-43. GROUND AND FLIGHT TEST OK.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 10/24/2008 SIGNED: _____ A&P 516048 5 Work Order: 2414-09-2008
Printed by EBis 3 (datcomedia.com)

DATE 3-15-07 TACH _____ HOUR METER 0301.8

MFG/MODEL Diamond DA-40 SERIAL 40-443

I certify that this aircraft was weighed in accordance with AC43.13-1B in level flight attitude inside a closed hanger. Weighed with full oil. Weighed with fuel tanks full
Scale readings were:

LH MAIN 882.0 RH MAIN 899.0 NOSE/~~XXX~~ 286.0

Scales Model 3-0101-299C, Serial 1239 Calibrated 8-2-06

_____ AIRFRAME NO: 324647477

AIRCRAFT WEIGHING CORP.
954-928-1619
1020 N.W. 62nd St. Hgr #6
Ft. Lauderdale, FL 33309

WRISTON AVIATION F.A.A. C.R.S. R2FR683J

AIRCRAFT- Diamond DA-40
TAIL NO.- N384DM
TACH. TIME- 440.5

R/R Garmin GDC-74A s/n 4780153 8 either Field Cal using Garmin Field Cal Software 6, Wriston Aviation wo# 081221, pitot/static system leak tested good. A&P 523940310

Stalls: Unbal 5934PD-5 s/n 440571

I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEMS TEST AS REQUIRED BY FAR 91.411 HAVE BEEN PREFORMED IN ACCORDANCE WITH FAR 43 APPENDIX E. THE ALTIMETER WAS TESTED TO 20,000 FEET ON 12/23/08 PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORKORDER NO. 081221
DATE 12/23/08 SIGNED _____ FOR
WRISTON AVIATION C.R.S. No. R2FR683J

I CERTIFY THAT THIS TRANSPONDER MAKE Garmin MODEL GTX-33 S/N 84700[illegible] AS INSTALLED IN THIS AIRCRAFT HAS BEEN TESTED AS REQUIRED BY FAR 91.413 IN ACCORDANCE WITH FAR 43 APPENDIX F ON THIS DATE 12/23/08 TACH 440.5
PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORKORDER NO. 081221
DATE 12/23/08 SIGNED _____ FOR
WRISTON AVIATION C.R.S. No. R2FR683J

(214)212-0499

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR ENTRIES. INSPECTION, REPAIRS & REPLACEMENT	LICENCE NUMBER

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N384DM
Diamond DA-40
SN: 40.443

Airframe Log Entry

November 12, 2007 Hour Meter: 391.0 Total Time: 343.1 ETSN: 343.1 PTSN: 343.1

Complied with an Annual inspection IAW Diamond Aircraft DA-40 series MM inspection guide. Installed an overhauled alternator pn ALU8521LS, sn E041879, ref Kelly Aerospace wo# M670270 for details. Installed new seam tape on nose gear leg fairing. Resealed overhead speaker. C/W Diamond OSB 40-057 (Gross weight increase). C/W Garmin MSB 0738, rev B by inspection of TVS units. None were found to apply. C/W 12mo fire extinguisher weight check. Installed a new ELT battery, expiration date is 11/09. C/W FAR 91.207(d) 12 mo ELT inspection. C/W AD 2007-17-06 (nose pivot axle) 12 mo/200 hr, by inspection.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #07-2799 ON FILE AT THIS STATION. DATED 11/12/07. INSPECTED BY _____ FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N384DM
Diamond DA-40
SN: 40.443

Airframe Log Entry

July 2, 2010 Hour Meter: 476.2 Total Time: 417.5 ETSN: 417.5 PTSN: 417.5

Complied with an Annual inspection IAW Diamond Aircraft DA-40 series MM inspection guide. Installed a new flap motor resistor p/n 107-4119. C/W 60 month rudder cable replacement by installing Diamond kit p/n CSKIT-04. C/W 12mo fire extinguisher weight check. C/W FAR 91.207(d) 12 mo ELT inspection. Installed new ELT batteries p/n MN1300, battery expiration date is 06/12.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #10-3267 ON FILE AT THIS STATION. DATED 07/02/10. INSPECTED BY _____ FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

CARRIED FORWARD

MAKE: Diamond
MODEL: DA-40
S/N: 40.443
REG. NO: 384DM
WORK ORDER:
4063-12-2010

Premier Aircraft Service,. Inc.
Repair Station No. 9PRR402B
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 5/3/2011
A/C TSN: 400
TACH: 400

Airframe Entries

(3) C/W ANNUAL INSPECTION ON THIS AIRFRAME IAW FAR 43 APPENDIX D USING DIAMOND DA40 MM CH 5 INSPECTION CHECKLIST AS A GUIDE. C/W FAR 91.207 D ELT INSPECTION AND FUNCTIONAL CHECK. ELT BATTERY EXPIRATION DATE: FEB 2017. ADs CHECKED THROUGH 2011-09.... (8) C/W AD 2010-25-01 TO CHANGE THE EMERGENCY OPEN DOORS PROCEDURE AND RETROFIT THE REAR PASSENGER DOOR RETAINING BRACKET IAW MSB-40-070. NO FURTHER ACTION REQUIRED.... (9) C/W AD 2007-17-06 NOSE GEAR PIVOT AXLE INSPECTION IAW DIAMOND MSB40-046 NO DISCREPANCIES NOTED. NEXT DUE IN 200 HRS OR NEXT ANNUAL WHICHEVER COMES LATER.... (10) VERIFIED THAT DIAMOND MSB40-058 WAS PREVIOUSLY COMPLIED WITH . INSTALLATION OF INLINE 100 OHM RESISTOR P/N DA42406-44-MOD ON ALTERNATOR SYSTEM.... (11) VERIFIED THAT DIAMOND MSB40-054/1 WAS PREVIOUSLY COMPLIED WITH. NO FURTHER ACTION REQUIRED.... (12) C/W DIAMOND MSB40-067 EMERGENCY EXIT LEVER REMOVED INCORRECT SEALANT FROM EXIT LEVER AND LIGHT SOCKET AND RE SEALED WITH TEROSTAT ADHESIVE IAW THIS MSB.... (13) REPLACED FAULTY MFD GDU1040 DISPLAY WITH O/H UNIT P/N 011-00972-00 S/N 86503163.INSTALLED DIAMOND G1000 SOFTWARE VERSION 0321.22 I/AAW GARMIN S/B 0919A AND G1000 FIELD UPDATE INSTRUCTION 190-00544-03 REV.1. SYSTEM GROUND CHECKS AND TESTS OK REVISED P/O/H. WEIGHT AND BALANCE NOT REQUIRED.... (15) INSTALLED B&C SPECIALTY PRODUCTS BC410 STAND-BY ALTERNATOR SYSTEM IAW DC AEROSPACE DRAWING "BC410 28v ALT INST'L" DATED 4/14/2011. SEE FORM 337 FOR DETAILS. AIRCRAFT EQUIPMENT LIST AND WEIGHT AND BALANCE WERE REVISED. SYSTEM AND OPERATIONAL CHECKS COMPLETED.... (16) INSTALLED ARTEX ME406 ELT KIT P/N 455-7420 S/N 197-08384 IAW ARTEX INSTALLATION MANUAL 570-0023 Rev E AND DIAMOND OSB40-062. REPLACE BATTERY BY FEB 2017. REVISED POH. OPS CHECKED GOOD. SEE ATTACHED 337 FORM FOR DETAILS.... (17) INSTALLED LO PRESTI BOOM BEAM KIT PER STC# SA02279AT AND PULSE OPTION PER STC# SA01861SE. SEE FORM 337 FOR DETAILS. UPDATED EQUIPMENT LIST AND WEIGHT & BALANCE AS REQUIRED OPS CHECK NORMAL.... (18) REMOVED SERVICEABLE HARTZELL HC-2CYR-1BF PROP. S/N CH38397B, AND INSTALLED NEW HARTZELL HC-C2YR-1N PROP, S/N NS74B IAW STC# SA0247CH-D. UPDATED POH AND WT & BALANCE. SEE FORM 337 FOR DETAILS. REMOVED DIAMOND STOCK EXHAUST SYSTEM ASSY AND INSTALLED POWERFLOW EXHAUST IAW STC# SA03281AT. UPDATED POH AND WT & BALANCE AS REQUIRED. SEE FORM 337 FOR DETAILS.... (19) REPLACED NOSE LANDING GEAR SHOCK DISCS WITH P/N DA4-9032-23-01 & WZ_8000-32X40 IAW DIAMOND D40 M.M CHAPTER 32.... (20) C/W CONTINUED AIRWORTHINESS REQUIREMENTS FOR DA40 CALLED OUT IN CHAPTER 4 BY REPLACEMENT OF EMERGENCY BATTERY PACK WITH P/N D41-2560-93-00 NEXT REPLACEMENT DUE 05-2012.

MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND/OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE.

DATE: 5/3/2011 SIGNED:

Adrian Arias
Certified Repair Station No. 9PRR402B

Work Order: 4063-12-2010
Printed by EBis 3 (datcomedia.com)

AIR TIME AND ENGINEERING RECORD

DATE	DAILY	TOTAL AIR	

CERTIFICATION EXPIRES ON MAY 31, 2013

LOGBOOK ENTRY: DA-40 N384DM
THE STATIC PRESSURE SYSTEM,TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED
TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413)
AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE
AT THIS REPAIR STATION UNDER W.O. 5311A DATE MAY 3, 2011

SIGNATURE Mark B. Alicandro INSP. MBA

TROPIC RADIO INC. 2695 N.W. 56th ST.HANGER 53-A
FT.LAUDERDALE FL.33309 FAA APPROVED REPAIR STATION # RZ4R510M
FT.LAUDERDALE EXECUTIVE AIRPORT*ARCHER RAMP*
TELEPHONE # 954-776-4030 WWW.TROPICRADIO.COM
GTX 33 S/N 84700598
GDC 74 S/N 47801598

SAFE SKIES AVIATION, LLC
MIDDLETOWN, OHIO
N384DM
DIAMOND DA-40 AIRFRAME S/N 40.443

21-Oct-2017 TACH-633.8 TTAF-633.8

1. Due to extended period of inactivity and at the owner's request the wings were removed at this time for transport of aircraft.
2. Transported aircraft from MGY (Dayton Wright Brothers Airport) to KMWO (Middletown Regional Airport) so proper repairs and inspections can be performed.

Kurt M. Yearout
A&P 3126345

2400 Greentree Rd
Lebanon, Ohio 45036
FAA Repair Sta.
#8WCR657C

W.O. No: 5074
Tech: N.C.
A/C Reg. No.: N384DM

Altimeter Correction Card

S/N: 47801598 GDC74

Alt	Error	Alt	Error
-1000	0	10,000	-20
0	-10	12,000	-30
500	-20	14,000	-20
1,000	-20	16,000	-20
1,500	-10	18,000	-40
2,000	0	20,000	-40
3,000	0	22,000	
4,000	-20	25,000	
6,000	-20	30,000	
8,000	-30	35,000	

FAA Repair Sta.
#8WCR657C

A/C Reg. No. N384DM

Altimeter Correction Card

S/N: 440511 United

Alt	Error	Alt	Error
-1000	-20	10,000	-50
0	0	12,000	-40
500	0	14,000	-30
1,000	0	16,000	-30
1,500	0	18,000	0
2,000	0	20,000	
3,000	0	22,000	
4,000	0	25,000	
6,000	0	30,000	
8,000	-50	35,000	

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N384DM
Diamond DA-40
SN: 40.443

Airframe Log Entry

August 21, 2012 Hour Meter: 2212.0 Total Time: 522.0 ETSN: 522.0 PTSN: 89.0

Complied with an Annual inspection IAW Diamond Aircraft DA-40 series MM inspection guide. Installed a new canopy lift strut p/n AS30-AS30-450N. Installed a new RH nav bulb. Installed new LH and RH main tires Goodyear FLISP II 15.00x6-6, LH s/n 20037576, RH s/n 13577592 using new inner tubes. Installed a new nose tire Goodyear FLISP II 5.00x5-6, s/n 20497504 using a new inner tube. C/W 500 hour induction filter replacement by installing a new filter p/n FR08504. C/W 12 month / 100 hour Power flow exhaust inspection and lubrication. C/W 12mo fire extinguisher weight check. C/W FAR 91.207(d) 12 mo ELT inspection. ELT battery expiration date is Feb, 2017. C/W AD 2010-13-10 (prop governor) by removing and reinstalling ONTIC governor p/n C210776, s/n 00198 after repair, reference ONTIC w/o GVN-12-0002 for details. C/W AD 2009-10-04 (nose pivot) by inspection.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #12-3557 ON FILE AT THIS STATION. DATED 08/21/12. INSPECTED BY _____ FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

NOT USED

SAFE SKIES AVIATION, LLC
MIDDLETOWN, OHIO
N384DM
DIAMOND DA-40 AIRFRAME S/N 40.443

22-May-2018 TACH-633.8 TTAF-633.8

Maintenance Actions Performed:

1. Completed a 50 hour, 100 hour, and an Annual inspection as per Diamond Aircraft DA 40 "Maintenance Checklist" and FAR 43 appendix D.
2. Reinstalled Lycoming O-360-M1A engine s/n L-31680-51A after inspection and repair by G&N Aircraft, Inc. CRS #MW2R020L under work order #72891 dated 01/29/2018. Cleaned and painted all engine baffles. Removed starter p/n 149-24LS s/n F4L-260403 and installed new starter p/n 149-24LS s/n H-R111195. Removed alternator p/n ALU-8521 s/n H095510 and installed newly overhauled alternator p/n ALU-8521 s/n F062545 after overhaul by Aerotech of Louisville, Inc. CRS # PU4R453M under work order #123218 dated 11/SEP/2017. Cleaned, inspected, and flushed oil cooler. B&C Standby alternator was reused at this time. Replaced all SCAT ducting with new ducting. Replaced all drain hoses with new MIL-6000-series hose. Replaced alternator drive belt with 1ea new belt p/n 37A19773-376.
3. Removed engine induction air filter due to rubber base torn and installed 1ea new filter assembly p/n FR-08504.
4. Remove aircraft battery and installed 1ea new FAA/PMA approved Concord sealed battery p/n RG24-15M s/n 40909529.
5. Cleaned loose fire paint from upper and lower engine cowling. Applied new fire paint p/n 7330BP082-KCHO and top coated with clear p/n 9008B0900D-KADO using activator p/n 9008B-LTKO.
6. Reinstalled wings and replaced LH and RH wing root seals with 5.2 meters of new seal p/n DAI-9057-00-01. Rigged flap and aileron systems.
7. Removed rudder and replaced top pivot bearing with 1ea new bearing p/n 23361_F06SCP. Reinstalled rudder using new hardware as required. Checked rigging of rudder, elevator, and elevator trim systems.
8. Replaced broken pilot storm window latch with 1ea new latch p/n 301-25-4110.
9. Removed loose caulk and applied new Terostat 9380 white adhesive caulk on the LH and RH fuel filler cap blanks on tops of wings, LH and RH rear cabin windows, and pitot tube base.
10. Cleaned elevator trim mechanism in tail and adjusted actuator friction block.
11. Removed LH and RH brake calipers and all 4 brake master cylinders. Disassembled, cleaned, inspected, and reassembled using new MS28775-series O-rings and 4ea new Stat-O-Seals p/n 600-001-10. Flushed brake system lines with new MIL-PRF-5606H hydraulic fluid. Reinstalled calipers and master cylinders in their respective positions. Replaced all LH and RH gear leg plastic brake line clamps with 6ea new clamps p/n 420420.
12. Removed worn LH tire, tube, and brake parts and installed 1ea new Michelin 15x6.0-6 tube p/n 097-500-0 lot # 21/17, 1ea new Goodyear 15x6.0-6 6-ply Flight Special II tire p/n 156E66B1 s/n 70465861, 1ea new Rapco brake disc p/n RA164-24400, and 2ea new Rapco brake linings p/n RA66-141-1.
13. Removed worn RH tire, tube, and brake parts and installed 1ea new Michelin 15x6.0-6 tube p/n 097-500-0 lot # 21/17, 1ea new Goodyear 15x6.0-6 6-ply Flight Special II tire p/n 156E66B1 s/n 70505854, 1ea new Rapco brake disc p/n RA164-24400, and 2ea new Rapco brake linings p/n RA66-141-1.
14. Removed worn nose tire and tube and installed 1ea new Michelin 5.00-5 tube p/n 0972-308-0 lot # 22/17 and 1ea new Goodyear 5.00-5 6-ply Flight Special II tire p/n 505C61-8 s/n 72552034. Tire/wheel assembly balanced prior to installation.
15. Trouble shot tachometer inop at engine run up. Found tachometer/magneto sensor located in the RH magneto faulty. Removed faulty sensor and installed 1ea new sensor p/n 653852 s/n 154429.
16. Removed inop LH wing tip strobe power supply p/n 01-0770062-05 s/n 04423 and installed serviceable power supply p/n 01-0770062-05 s/n 05223. Removed inop RH wing tip strobe power supply p/n 01-0770062-05 s/n 04430 and installed serviceable power supply p/n 01-0770062-05 s/n 05226.
17. Replaced Power Flow Systems exhaust muffler insert with 1ea new insert p/n PFS-8016.
18. Replaced the following fuel system parts as follows: Removed RH wing fuel quick drain and installed 1ea new drain p/n DA4-9028-17-01, removed fuel strainer quick drain and installed 1ea new drain p/n CCA-1550 and replaced LH and RH fuel filler cap seals with 2ea new seals p/n OHK3.

Time Items:

1. C/W 6 year cabin fire extinguisher inspection by removing Amerex model A620 s/n WH-325483 extinguisher and installing 1ea new (mfg date 1-2017) extinguisher Amerex model A620T s/n E-63888304. Next 6 year inspection due 1-2025.
2. C/W 12 month cabin fire extinguisher weight check. Next weight check due 6-1-2019.
3. C/W ELT battery replacement per FAR 91.207 (c) and the Artex Products Maintenance Manual No. 570-1600 by installing 1ea new battery pack p/n 452-6504. Next battery replacement due 8-2024.
4. C/W 12 Month ELT inspection by function test per FAR 91.207 (d) and the Artex Products Maintenance Manual No. 570-1600. Found satisfactory. Next inspection due 6-1-2019.

----------continued---------- KY

ENGINEERING RECORD

----------continued----------

ICA'S / Chapter 4 Items / Service Bulletins /AD'S

1. C/W instructions for continued airworthiness for B&C Specialties standby alternator, LoPresti Boom Beam lights, Artex ME406 ELT, Power Flow exhaust system, ant Hartzell HC-C2YR-1N propeller. Next due at next 100 hour or annual inspection.
2. Researched all Chapter 4 "Airworthiness Limitations" items. Replaced avionics emergency battery pack with 1ea new battery pack p/n D41-2560-93-00. Next battery replacement due 8-2025. No other Chapter 4 items due at this time.
3. C/W AD 09-10-04 dated 6-17-2009 by dye penetrant inspection of nose landing gear pivot axle per paragraph (f)(1). No defects noted. Next due in 200 hours TIS @ 833.8 Tach or 12 months @ 6-1-2019 – whichever occurs LATER.
4. AD 14-13-08 dated 8-27-2014 "Center wing aft main spar structural integrity" is not due at this time. Inspection due @ 2,000 TTAF or 2-2024 - whichever occurs first.
5. Researched AD'S through biweekly 2018-10 using the Tdata IApproach Pro system and updated AD list.

I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time. ----------

Kurt M. Yearout

A&P 3126345 I.A.

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR CO
BROUGH FORWAR					

Bragg Avionics, Inc. • 882 Bragg Avenue • Jacksonville, FL 32225
(904) 564-1717 • (904) 564-1718 • www.braggavionics.com
FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Or
N384DM	Diamond Aircraft Ind Inc	DA 40	40.443	10/31/2019	113

Confirmed no COM audio. Re-racked audio panel, COMs and intercom now working.

Work performed IAW G1000 FSM.
For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature: _____

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FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Order
N384DM	Diamond Aircraft Ind Inc	DA 40	40.443	12/04/2019	11420

Replaced defective GMA1347 with overhauled unit. Loaded and configured software and settings. Ramp tested, all okay.

Digital Audio Panel (Overhaul)
Garmin GMA1347
PN 011-00809-00
SN 47108323

Work performed IAW Diamond MM, Garmin G1000 IM.
For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. reg and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature: _____

FERNANDINA BEACH AIRCRAFT MAINTENANCE **01/15/2020**
3990 CENTURION WAY HANGAR A
FERNANDINA BEACH FL 32034

N384DM DIAMOND DA40 S/N40.443 TACH:760.50 AFTT:760.50
HOBBS: 0.3

PERFORMED AN ANNUAL INSPECTION PER FERNANDINA BEACH AIRCRAFT MAINTENANCE INSPECTION SHEET. TESTED AND INSPECTED ELT PER 91.207D. CW AD 09-10-04 NOSE LANDING GEAR LEG PIVOT AXLE BY DYE PENETRANT. NEXT DUE 860.50. REPLACED HOBBS METER. OLD HOBBS READING 5879.0 THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY. **THE END**

WO. 525 NOAH TIMMINS _____ **IA 3773737**

ENGINEERING RECORD

10

INSPECTION, REPAIRS & REPLACEMENT
TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. | SIGNATURE | LICENCE NUMBER

Bragg Avionics, Inc. • 882 Bragg Avenue • Jacksonville, FL 32225
(904) 564-1717 • (904) 564-1718 • www.braggavionics.com
FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Order No.
N384DM	Diamond Aircraft Ind Inc	DA 40	40.443	05/04/2020	11761

Tightened all hoses and fittings at Pitot Mast to correct Static leak. Leak tested, all ok.
I certify that the altimeter(s) and static system(s) tests required by 14 CFR 91.411 and transponder(s) tests, including data correspondence, required by 91.217 and 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.
Recertified ADC to 20,000 ft PN GDC74A.
Recertified standby altimeter to 20,000 ft.
Performed transponder biennial test.
Performed data correspondence test to 20,000 ft.
Performed pitot/static system leak test.
Next IFR Due: 05/04/22
For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature: _____

Altimeter Calibration Form

Work Order: 11761
Date: 5-4-2020
PO:

Customer and Aircraft Information: Aiers John
Registration: N384DM | Make: Diamond | Model: DA40 | SN: 40.443
Baro: 29.92 | Temp: 69°F | Humid: 82%

Equipment — Altimeter: Make / PN / SN; ADC: Make / PN / SN; Pilot Altimeter; Copilot Altimeter; Standby Altimeter; Alt/Enc Compliant

Cal (inc)		Tol (+/-)	Friction (+/-)	
-1	10	30	10	70
0	10	30	—	0
.5	0	30	—	0
1	10	30	10	70
1.5	10	30	—	0
2	10	30	20	70
3	0	30	10	70
4	-10	35	—	0
5	—		10	70
6	-20	40	10	70
8	-30	60	—	0
10	-30	80	30	90
12	-40	80	—	0
14	-40	100	—	0
15	—		30	90
16	-20	110	30	90
18	0	130	—	0
	Case Leak	150	LINE	70
20	20	150	20	130
22		140		0
25		150		120
30		180		140
35		205		160
40		230		180
45		255		0
50		280		200
After Effects 30" Mark			20	

Barometric Scale Error at 29.92

Setting	Altitude (+/-) 20
28.10	-1750'
28.90	-1040'
29.00	-940'
29.80	-240'
29.92	0'
30.00	60'
30.90	910'
30.99	1000'

Hysteresis (TR)

20K	30K	40K
8" = 40% 20	12" = 40%	20" = 40%
12" = 50% 30	18" = 50%	30" = 50%

Remarks

Inspection and Return to Service
Technicians Initials: BB | Preliminary Inspection: BB | Hidden Damage Inspection: N/A
Final Inspection: | Return to Service: | Article: | Date: 05/04/20
Return to service IAW FAR 43.9 certifying that the above test have been performed IAW Part 43, Appendix E and F and the calibrator has been found to meet the requirements for FAR 91.411.

Bragg Avionics, Inc.
Jacksonville Executive at Craig Airport
882 Bragg Avenue
Jacksonville, FL 32225
Office: 904-564-1717/1718
www.braggavionics.com
FAA Repair Station #UV1R546K

Altimeter Calibration Form

Customer and Aircraft Information: Aiers John
Registration: N384DM | Make: Diamond | Model: DA40 | SN: 40.443
Baro: 29.92 | Temp: 69°F | Humid: 82%

Inspection and Return to Service
Technicians Initials: BB | Preliminary Inspection: BB | Hidden Damage Inspection: N/A

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

Corporate Aircraft Maintenance, LLC
Engine logbook entry Hobbs: 39.9
Reg # : N384DM Model: DA40 Tach: 791.4 S/N: 40.443 6/3/2020

Squawk: Oil Change Due
1. Drained oil, removed and inspected oil filter. Installed new filter P/N AA48110-2 and serviced with 8 qts of Aeroshell W100+.
2. Compressions: 1)76/80 2)76/80 3)74/80 4)75/80

Squawk: Powerflow Exhaust ICA due
3. Complied with Powerflow Exhaust Inspection per ICA document PFS-15250-00, Rev. E.

Squawk: #3 EGT High and fuel flow is lean
4. Troubleshot by cleaning and flow checking fuel nozzles, replaced seals on #3 intake tube and replaced both #3 cylinder spark plugs with new P/N UREM37BY.

Ground run leak and ops checks good.

Robert D Mullen AP 2789626

Corporate Aircraft Maintenance, LLC
Engine logbook entry Hobbs: 58.0
Reg # : N384DM Model: DA40 Tach: 805.1 S/N: 40.443 10/7/2020

Squawk: Oil Change Due
1. Drained oil, removed and inspected oil filter. Installed new filter P/N AA48110-2 and serviced with 8 qts of Aeroshell W100+.
2. Compressions: 1)76/80 2)76/80 3)76/80 4)78/80

Squawk: Powerflow Exhaust ICA due
3. Complied with Powerflow Exhaust Inspection per ICA document PFS-15250-00, Rev. E.

Ground run leak and ops checks good.

Daniel Brown AP 2734116

Corporate Aircraft Maintenance, LLC
Airframe logbook entry Hobbs: 69.9
Reg # : N384DM Model: DA40 Tach: 815.3 S/N: 40.443 10/29/2020

Squawk: Main tires worn to limits
1. Removed both wheels. Disassembled, cleaned, and inspected wheels and bearings. Repacked wheel bearings. Reassembled wheels using new Goodyear Flight Custom III 15x6.0-6 tires P/N 156E66-4and new Michelin 15x6.0-6 inner tubes P/N 097-500-0. Serviced tires to 36 psi.

Robert D Mullen AP 2789626

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE	LICENCE NUMBER

Bragg Avionics, Inc. • 882 Bragg Avenue • Jacksonville, FL 32225
(904) 564-1717 • (904) 564-1718 • www.braggavionics.com
FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Order No.
N384DM	Diamond Aircraft Ind Inc	DA 40	40.443	12/22/2020	12382

Gained access & replaced all 5 lightning protection 3.2 Amp slow-blow fuses. Reassembled aircraft & ramp tested, all okay.
Next Lightning Protection Fuse Replacement Due: 12/2022
Work performed IAW Diamond MM, Garmin G1000 System MM Revision J.
For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature:

FERNANDINA BEACH AIRCRAFT MAINTENANCE 02/17/2021
3990 CENTURION WAY HANGAR A
FERNANDINA BEACH FL 32034

N384DM DIAMOND DA40 S/N40.443 TACH:760.50 AFTT: 822.0
HOBBS: 78.6

PERFORMED AN ANNUAL INSPECTION PER FERNANDINA BEACH AIRCRAFT MAINTENANCE INSPECTION SHEET AND THE TIME LIMITS AND MAINTENANCE CHECKS FROM THE DA 40 AMM. TESTED AND INSPECTED ELT PER 91.207D. CW AD 09-10-04 NOSE LANDING GEAR LEG PIVOT AXLE BY DYE PENETRANT NEXT DUE 922.0. CHECKED AD 20-14-06 FUEL TAKE CONNECTION HOSES. DNA PER MSB 40NG-064 REV2 PER DATES LISTED IN S/B. THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY. THE END

WO. 712 SHERMAN R KELLER IA 172464881

EAGLE AIRCRAFT MAINTENANCE

N384DM Diamond Aircraft DA40 SN:40.443 Tach:834.7 Hobbs:94.9

Pilot reported intermitted nav light circuit breaker popping. Traced issue to RH nav light wiring. Removed and replaced four improper splices and installed new multipin connector on fuselage side. Installed anti-chafe wrap on wiring and reinstalled tip. Ops check of nav and strobe lights good. Removed copilot lower panel cover. Removed and replaced "flap up" indicator lamp with new bulb (PN:T4.6 24-20). Ops check of indicator lamp good.

Owen Poirier AP4155081

AIR TIME AND

ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR DETAILS.
BROUGHT FORWARD					

N384DM Diamond DA-40 SN:40.443 Tach:836 Date 11/11/2021

Removed upper and lower cowling. Removed and replaced belt driven alternator with new (PN:10-5050-1, SN:H-V050895). Removed and replaced positive terminal @ alternator post. Ground run and operation check good.

Timothy Godwin AP/IA3537582

FERNANDINA BEACH AIRCRAFT MAINTENANCE 03/14/2022
3990 CENTURION WAY HANGAR A
FERNANDINA BEACH FL 32034

N384DM DIAMOND DA40 S/N 40.443 TACH: 842.00

PERFORMED AN ANNUAL INSPECTION PER FERNANDINA BEACH AIRCRAFT MAINTENANCE INSPECTION SHEET AND THE TIME LIMITS AND MAINTENANCE CHECKS FROM THE DA 40 AMM. TESTED AND INSPECTED ELT PER 91.207D. CW AD 09-10-04 NOSE LANDING GEAR LEG PIVOT BY DYE PENETRANT INSPECTION. NEXT DUE 942 OR 03/2023. INSTALLED NEW NOSE WHEEL FORK P/N D44-3223-30-00-02. CLEANED AND SERVICED AIR FILTER. THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY. THE END

WO 901 SHERMAN R KELLER IA 172464881

Bragg Avionics, Inc. • 882 Bragg Avenue • Jacksonville, FL 32225
(904) 564-1717 • (904) 564-1718 • www.braggavionics.com
FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Order No.
N384DM	Diamond Aircraft Ind Inc	DA 40	40.443	04/14/2022	13331

Gained access & replaced all 5 lightning protection 3.2 Amp slow-blow fuses. Reassembled aircraft & ramp tested, all okay.
Next Lightning Protection Fuse Replacement Due: 04/2024
Work performed IAW Diamond MM, Garmin G1000 System MM Revision J.

I certify that the altimeter(s) and static system(s) tests required by 14 CFR 91.411 and transponder(s) tests, including data correspondence, required by 91.217 and 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.
Next IFR Due: 04/2024
- Recertified ADC to 20,000 ft PN GDC 74A.
- Recertified standby altimeter to 20,000 ft.
- Performed transponder biennial test PN GTX 345 SN 3EH420296.
- Performed data correspondence test to 20,000 ft.
- Performed pitot/static system leak test.
- For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature:

CARRIED FORWARD

ENGINEERING RECORD

Altimeter Calibration Form

Bragg Avionics, Inc.
Jacksonville Executive at Craig Airport
882 Bragg Avenue
Jacksonville, FL 32225

EAGLE AIRCRAFT MAINTENANCE

N384DM Diamond Aircraft DA40 SN:40.443 Tach:842.7 Hobbs:107.7 Date 17Jun2022

Removed upper engine cowling. Removed battery cover. Removed aircraft battery PN:RG24-15M SN:40909529. Installed PN:RG25-15M SN:41235358. Installed battery cover and upper cowling. Op check good.

Timothy Godwin AP3537582

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR C

Southeast Aero Services Inc.

St Augustine, FL.
Phone (904) 824-1899

Diamond DA-40 s/n:40.443 N384DM
4-10-23 Hobbs:862.5hrs. Tach:862.5hrs. Airframe Total Time:862.5hrs.

Completed Annual inspection per 14CFR 43 Appendix D with references to Chapters 4&5 Diamond DA-40 maintenance manual, Power flow Systems Inc, this date. Opened access provisions and inspection panels. Completed general servicing as required and lubricated airframe components per lubrication schedule. Inspected/cleaned fuel system screens and filters. AD's checked thru FAA Bi-Weekly 2023-03 no AD's due at this time. Inspected ELT in accordance with 14 CFR 91-207(d) with satisfactory results. Battery expiration: AUG 2024. Serviced brake reservoir and tires to spec. Removed/cleaned/installed new prop aeroshield. Installed new fuel overflow tube. Installed new wing root seal. Repaired LH spar from chafing ground strap IAW Diamond Aircraft Engineering RDA 40-0114. Installed Whelen STC#SA02279AT Boom Beam light kit LSM-500-067-7 in accordance with Whelen installation manual LSM-500-067 Rev. C date 02/17/11. System function checks normal. Completed/filled form 337, no changes to aircraft weight and balance data. Repaired landing light lens receptacles. Installed new LT/RT wing fuel placards. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in Airworthy condition at this time.

Jared King A&P3847173IA

Southeast Aero Services Inc.

St Augustine, FL.
Phone (904) 824-1899

Diamond DA-40 s/n:40.443 N384DM
03APR2023 Hobbs:862.5hrs. Tach:862.5hrs. Airframe Total Time:862.5hrs.

Left hand spar web gouges located behind the landing light/taxi light at provision hole were cleaned, prepped, and repaired according to Diamond Aircraft Engineering RDA 40-0114. Completed/filled form 337. No changes to aircraft weight and balance.

Richard Evans A 3491690

wo: 14204

Avionics · page 1 of 1

Bragg Avionics, Inc. · 882 Bragg Ave. · Jacksonville, Florida 32225 · 904-564-1717 · CRS#: UV1R546K

N384DM **DIAMOND AIRCRAFT IND INC, DA40, S/N: 40.443** **June 30, 2023**

Installed new 3.2A fuse for G1000 display. Installed P/N 031303.2HXP - Fuse.
Removed and replaced Sandia G1000 PFD fan. Installed P/N 305468-00 - SAFE128 Fan S/N: 2533.
Reinstalled G1000 PFD. Reinstalled glare shield.
Functional checks, all ok. Ramp tested all ok.

The aircraft and/or component identified above was inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Details of work performed are on file with Bragg Avionics, Inc. under work order: 14204.

Michael Bragg Repairman 2518588

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE | LICENCE NUMBER

Southeast Aero Services Inc.

St Augustine, FL.
Phone (904) 824-1899

Diamond DA-40 S/N:40.443 N384DM
6/17/2024 Hobbs:883.9hrs. Tach:883.9hrs. Airframe Total Time:883.9hrs.

Completed Annual inspection per 14CFR 43 Appendix D with references to Chapters 4&5 Diamond DA-40 maintenance manual, Power flow Systems Inc, this date. Opened access provisions and inspection panels. Completed general servicing as required and lubricated airframe components per lubrication schedule. Inspected/cleaned fuel system screens and filters. AD's checked thru FAA Bi- Weekly 2024-09 complied with AD 09-10-04 NLG leg failed in area of the nose pivot axle. Performed dye penetrant inspection with No abnormalities found. Complied with AD 14-13-08 center wing AFT main spar structural integrity Inspected gained access to AFT main spar by removing seats and carpet. Removed adhesive from spar. Sanded/cleaned/prepped spar. Applied carbon fiber patched and set to pre cure. Once pre-cure has been accomplished, set up for post-cure. Successfully post cured patches and trimmed excess. Installed carpet and seats. This action terminated AD. Inspected ELT in accordance with 14 CFR 91-207(d) with satisfactory results. Installed new ELT battery. **Battery expiration: MAY 2030.** Installed new ELT battery remote switch. **Battery expires: MAY 2029**. Removed greased and repacked both main wheel bearing and nose wheel bearing. Installed new RH wheel bearing and race bearing due to damage. Installed/torqued/safetied main wheels and nose wheel. Installed new upper rudder hinge bearing P/N: DA4-5312-60-00. Installed all 5 lightning protection fuses. **Next replacement due: 6/31/2026.** Serviced brake reservoir and tires to spec. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in Airworthy condition at this time.

Jared King A&P3847173IA

AIR TIME AND

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR
BROUGHT FORWARD					

Southeast Aero Services Inc.
St Augustine, FL.
Phone (904) 824-1899 / Fax (904) 824-6334

Date: 04/29/2024 AF N384DM S/N 40.434 AFTT: 883.9

1. Recertified P/N: GDC 74A SN: 47801598
2. Recertified Standby Altimeter P/N: United S/N: 440511
3. Recertified Garmin Transponder P/N GTX 345 S/N: 3EH420296
4. **Next IFR due date 4/29/2026**

I certify that the Pitot/Static, Air Data Computer Instrument, Standby Altimeter systems test required by 14 CFR § 91.411 and Transponder checks, including data correspondence, required by § 91.413, have been performed and found to comply with the 14 CFR part 43 Appendix E(a)(c)(d) & Appendix F. All pertinent information can be found on Work Order # M24-21756

Signature: _____ **Certificate #: UV4R584M, Repairman # 4934255**

Mike Walker

#1 ALTIMETER SYSTEM TEST AND INSPECTION
- Certification of altimeter accomplished in accordance with FAR Part 43, appendix E
- Altimeter Part #: GDC-74A
- Altimeter Serial #: 47801598
- Certification performed using Laversab 6300W, S/N: 91130 Cal. Due Date: 11 JAN 2025

TEST ALTITUDE	EQUIVALENT PRESSURE (" HG)	TOLARANCE +/- (feet)	INDICATOR ALTITUDE
-1,000	31.018	20	-1000
0	29.921	20	0
500	29.385	20	500
1,000	28.856	20	1000
1,500	28.335	25	1500
2,000	27.821	30	2000
3,000	26.817	30	3000
4,000	25.842	35	4000
5,000	23.978	40	5000
6,000	22.225	60	6000
8,000	20.577	80	8000
10,000	19.029	90	10000
12,000	17.577	100	12000
14,000	16.216	110	14000
15,000	14.942	120	15010
16,000	13.750	130	16010
18,000	12.636	140	18010
20,000	11.104	155	20010
30,000	8.885	180	N/A
35,000	7.041	205	N/A

Certificate Number: Repair Station UVV4R584M.
Inspector: Michael Walker RCN# 4934255

STANDBY ALTIMETER SYSTEM TEST AND INSPECTION
- Certification of altimeter accomplished in accordance with FAR Part 43 appendix E
- Altimeter Part #: UNITED
- Altimeter Serial #: 440511
- Certification performed using Laversab 6300W, S/N: 91130 Cal. Due Date: 11 JAN 2025

TEST ALTITUDE	EQUIVALENT PRESSURE (" HG)	TOLARANCE +/- (feet)	INDICATOR ALTITUDE
-1,000	31.018	20	-1000
0	29.921	20	0
500	29.385	20	500
1,000	28.856	20	1000
1,500	28.335	25	1500
2,000	27.821	30	2000
3,000	26.817	30	3000
4,000	25.842	35	4000
5,000	23.978	40	5000
6,000	22.225	60	6000
8,000	20.577	80	7990
10,000	19.029	90	9990
12,000	17.577	100	11990
14,000	16.216	110	14000
15,000	14.942	120	15000
16,000	13.750	130	16000
18,000	12.636	140	18005
20,000	11.104	155	20010
30,000	8.885	180	N/A
35,000	7.041	205	N/A

Certificate Number: Repair Station UVV4R584M.
Inspector: Michael Walker RCN# 4934255

ACR ELECTRONICS, Inc.
Artex Products - CAGE Code 18560
Fort Lauderdale, FL 33312
LOG BOOK ENTRY 6/17/2024
E.L.T. BATTERY REPLACEMENT DATE 5/21/2024

ACR ELECTRONICS. Inc.
ARTEX PRODUCTS - CAGE Code: 18560
Fort Lauderdale, FL 33312
ME406 LITHIUM BATTERY PACK MnO2
PART NO: 452-6499 REV: G
TSO C126 S.N.:1009874-001
EXPIRATION DATE: Aug /2030 DO-227
ENV CAT D1XBC[204][204]KK)XXXX2A2Z[204]H[XXXX]XXX

CARRIED FORWARD

Diamond AIRCRAFT

APPENDIX A

EXECUTION REPORT TO SERVICE BULLETIN WI-MSB 40-103 / WI-MSB F4-042 / WI-MSB D4-114 / WI-MSB 40NG-084

AIRPLANE DATA

Airplane serial number: 40.443
Airplane registration: N384DM
Airplane operator:
Hours of operation of airplane (TSN):
Typical operation of airplane: private, club, training, other:

MAINTENANCE DATA

Date of maintenance: 6/16/2025
Maintenance carried out by: Kaitlin Markiewicz
During scheduled inspection? Yes No

Kaitlin Markiewicz
Name

Signature

Submit the execution report in Appendix A to Diamond Aircraft [illegible]

1. Use the electronic execution report through the Diamond Part[illegible]
   a) Login to the Diamond Partner Portal: https://partners.diamond[illegible]
   b) Search for the Aircraft (A/C):
      - Use the search field at the top, or
      - Navigate through the menu: Support > My fleet, then open the A/C by clicking the link
   c) In the right section "Aircraft Action", click the button "Add Execution Report".
   d) Choose "MSB 40-103 / MSB F4-042 / MSB D4-114 / MSB 40NG-084".
   e) Either create a new execution report or select a draft you previously created.
   f) Save and then submit the execution report.
2. Alternatively send the execution report by email to techpubs@diamondaircraft.com

Keep a copy of the execution report in the aircraft log.

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Internet: diamondaircraft.com
Service & Support Portal: partners.diamondaircraft.com

Corporate Aircraft Maintenance, LLC
Airframe logbook entry
ACTT: 886.5 Tach: 886.5 Hobbs: 167.3
Reg # : N384DM Model: DA40 S/N: 40.443 7/1/2025

1. Complied with an Annual Inspection per 14 CFR 43, Appendix D.
2. **AD2024-19-08** – NLG Inspection – Complied with by Dye Penetrant Inspection of the nose gear leg pivot axle IAW MSB 40-091, Rev. 0, dated January 18, 2021. No cracks noted at this time. Next due 996.5 ACTT. NLG Leg replacement due by November 29, 2026 or 2500.0 ACTT per para. (h)(2) of this AD, whichever occurs first.
3. **AD2022-13-06** – Baggage Nets – N/A, no baggage nets installed.
4. Complied with Passenger Door Inspection IAW MSB4-103/MSB F4-042/MSB D4-114/MSB 40NG-084, Rev. 1, dated May 15, 2025. Found front and rear latching pins under limits. Adjusted to proper length. Installed placards. Ops check good. Completed and submitted execution report to Diamond.
5. Complied with ELT inspection and ops check per 14 CFR 91.207(d). Battery due replacement 8/2030.
6. Complied with Garmin GTX-345 Annual inspection per ICA document # 190-00734-11, Rev. 8 with no defects noted.
7. Complied with Garmin G1000 Annual inspection per relevant sections of ICA document # 190-00545-01. Backup battery expires 8/2025. Replacement battery on back order.
8. Complied with B & C Specialty Products Annual inspection per ICA document # ICA-BC410, Rev. A with no defects noted.
9. Complied with Power Flow Systems Annual inspection per ICA document # PFS-15250-00, Rev. E. Replaced tailpipe hanger strap tearing per 5.6.6. Fabricated and installed new strap. Lubricated and reinstalled exhaust using new gaskets P/N SL77611.
10. Replaced worn scat hose to alternator with new.
11. Removed and replaced cracked nose wheel steering stop plate with new P/N D41-3223-00-51. Adjusted nose steering friction to 9.5 lbs. IAW Diamond DA40 MM 32-20-00. Ops check good.
12. Applied fiberglass repair to battery box cover and blended for fitment.
13. Cleaned oil cooler fins of dirt and debris.
14. Removed elevator balance weight. Cleaned and treated corrosion. Painted and reinstalled.
15. Replaced leaking LH wing fuel sump valve with new P/N CAV-180. Leak check good.
16. Reattached brake hose mounts to LH and RH MLG struts.
17. Removed and replaced damaged ELT remote switch with new P/N 453-0023, S/N 1020309-005. Installed new remote battery. Battery due replacement 6/2030.
18. Leak and ops check good on ground run.

I certify this airframe has been inspected per an annual inspection, is considered airworthy and is approved for return to service.

Robert D Mullen AP/IA 2789626 _____

Date: 07/17/2025 AF N384DM S/N 40.434 AFTT: 886.7

Removed Emergency Backup Battery P/N D41-2560-93-00
(Cell Manufacture: AUG2015 Expiry Date: AUG2025)

Installed Emergency Backup Battery P/N D41-2560-93-00
(SN: 2231630245 Cell Manufacture: SEP2023 Expiry Date: SEP2033)

Procedure completed in accordance with Diamond Aircraft DA 40 Series AMM 24-32-00 (Pages 203-204, Doc # 6.02.01 Rev. 8) Ops check good.

_____
John Casey Ayers
Pilot Certificate #4117836