

AIRCRAFT S/N
40.823

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME


AIRCRAFT

1. Nationality and Registration N569CA
2. Manufacturer's Designation DA 40
3. Manufacturer's Serial Number 40.823
4. Type Approval or Specification Number A-224/A47CE
5. Date of Manufacture 2007
6. Aircraft Inspection Cycle _____

**CALIBRATION CARD
ALTIMETER**

P/N: 5934PD-3 C/N: A.130 S/N: 460955

Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	-15	14,000	-65
0	-10	16,000	-70
500	-10	18,000	-65
1,000	-5	20,000	-60
1,500	-5	22,000	
2,000	0	25,000	
3,000	0	30,000	
4,000	-5	35,000	
6,000	-25	40,000	
8,000	-40	45,000	
10,000	-45	50,000	
12,000	-60		

Date: 3/19/07 Tested By: Inspected By: 

UNITED INSTRUMENTS, INC.

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	Ø	Ø	Ø	Ø	AIRCRAFT NEW WITH MT-PROPELLER ENTWICKLUNG TCCA STC NO. SA06-52, GARMIN G1000 STC NO. SA01254WI AMEND. 2, GARMIN GFC 700 PER FAA STC NO. SA01389WI, RYAN 9900BX FAA STC NO. SA02266NY, POWER FLOW SYSTEMS FAA STC NO. SA03281AT, AMSAFE INFLATABLE SA01918LA



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

SERIAL NUMBER

REGISTRATION MARK

40.823

N569CA



I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Standard 571, Appendix F F.A.R. 91:217: & F.A.R. 91:413.

DATE

INSPECTOR

29 June, 2007

DA
Q 42



28 June 2007 S/N 40.823
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	060	090	120	150
FOR	S	210	240	W	300	330
STEER	180	210	240	270	300	330



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

INSPECTOR




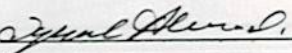
29 June, 2007

DA
Q 65

Allan Pepper

JUNE 29 2007	Ø	Ø	Ø	Ø	AIRCRAFT SERVICEABLE FOR FLIGHT
JUNE 29 2007			2.	5	
JULY 03 2007			2.	5	AIRCRAFT SERVICEABLE FOR FLIGHT
JULY 03 2007			4.	1	
JULY 03 2007			4.	4	
SEPT 17 2007			4.	4	ALL DISCREPANCIES RECTIFIED
			4.	4	CARRIED FORWARD

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			4	4	
 <p style="text-align: center;">DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVED MANUFACTURER #161-93</p> <p style="text-align: center;">I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE FOR FLIGHT.</p> <p style="text-align: center;">DATE: SEP 17 2007 INSPECTOR:  DA Q 42</p>					
<i>September 19, 2007 TACH:</i>			4	.4	 <p style="text-align: center;">19 September 2007 S/N: 40.823 Reg : N569CA WO# RO-07-224 Tach: 4.4</p> <p><i>The following work carried out</i> Tanis Heater Kit P/N TAS100-03-104S S/N 40649 Installed I.A.W. Tanis Aircraft Services Inc. Instruction # 100 and Drawings no. 100 A & 2163. Weight & Balance and equipment list amended. New Empty Weight = 821.99 kg. OR 1812.15 lbs. New E.W. Moments = 2050.15 kgm . OR 259761.64 in. lbs. New E.W. C of G = 2.494 m OR 98.19 ins. Max. Gross Weight = 1200 kg. OR 2646.0 lbs. New Useful Load = 378.01 kg. OR 833.85 lbs. 36 J.A.</p>
<p>INSTRUCTIONS FOR CONTINUED AIRWORTHINESS:</p> <p>TANIS AIRCRAFT PRODUCTS TAS104 - 50 WATT CYLINDER ELEMENT Dwg#2010 Rev.A dtd June 18,2002 FAA-PMA APPROVED</p> <p>This element is a part of a system that does not function during flight and is installed on a no hazard basis according to FAA Letter dated May 16,1984. Instructions for Continued Airworthiness: Inspect to see that leads are securely tied off close to the element at each 100 hr. or annual inspection so they do not vibrate during aircraft operation & break over time.</p>					
			4	.4	<p>The maintenance described above has been performed in accordance with the applicable standards of airworthiness.</p> <p style="text-align: center;">DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #161-93</p> <p>Signature:  Lic or Stamp: DA R06</p>
			4	.4	CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT <small>ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
<p>Diamond</p> <p>U.S. Standard Airworthiness Certificate, issued: (Date) <u>SEP 18 2007</u>, has been installed in the aircraft on behalf of NE-MIDO-46 on: (Date) <u>SEP 18 2007</u> (Print) <u>R. Salton</u> (Signature) </p>		<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> DA Q 42 </div>

Tanis Aircraft Products

P. O. Box 117
GLENWOOD, MN 56334
800-443-2136
www.tanisaircraft.com

ITEM: Engine Preheater
P/N: TAS100-01SP & TAS100-03 W/OPT TAS300 ELEMENT
 W/OPT. TAS104ELEMENTS & CAN MOD
S/N: 40649
Eligible on: See Reverse.
 For complete application and interchange listings see Tanis Aircraft master sheet.

Tanis Aircraft Products

P.O. Box 117
Glenwood, MN 56334
800-443-2136
www.tanisaircraft.com

Item: Power Cord Mount
P/N: PMT
Eligible On: See Reverse.
 For complete application and interchange listings see TANIS AIRCRAFT master sheet.

Airframe

LOG BOOK ENTRY

Page 1 of 1

A/C REG: N569CA

A/C S/N: 40.823

DATE: 01/25/2008

A/C TOTAL TIME:

HOUR METER:

W/O NOA-08-1897

ENGINE TOTAL TIME 17.1

S.M.O.H.

- 1. Complied with Garmin SB# 0739. Updated G1000 software from 0369.12 to 0369.13. Operational check satisfactory.

- END -

Maintenance Release
 The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:
 W/O# A-08-1897 Date: 01/25/2008 Signed: *[Signature]*
Columbia Air Services, Inc.
 Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # SO5R204N

04/16/08 N569CA Mod#:DA-40 Ser#:40.823 TTA: 25.2 hrs Tach: 25.2 hrs

- 1. C/W AD 08-06-51 Inspected per SB PRS-107 rev. 2 para. D,E & G plug was NOT loose. Inspected plug and threads. Installed new gasket 2577258 stamped Letter "G" on hex plug repetitive inspection no longer required

I certify this aircraft has been inspected in accordance with a Diamond 25hr. inspection using the Diamond DA40 maintenance manual 50hr inspection checklist and was found to be in a airworthy Condition.

Scott Deegan A19466634

SD Air Service Corp.

Rutland State Airport, North Clarendon VT 05701
802-775-0205

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N569CA

A/C S/N: 40.823

DATE: 05/01/08

A/C TOTAL TIME: 33.5 (TIS)

HOUR METER: 49.6

W/O NO: MWO-08-2465

ENGINE TOTAL TIME

S.M.O.H.

1. Installed Diamond Engine Mass Ballast Kit in accordance with Diamond Aircraft Industries, Inc. Drawing # C41-7106-01-00. Updated aircraft weight and balance.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-08-2465 DATE 05-01-08 SIGNED: John H. Luth

FOR **Columbia Air Services, Inc.** FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Hap's Aerial Enterprises, Inc. 7001 Airport Drive, Sellersburg, IN 47172

Date: 07-01-08 N569CA Model: DA40 SN: 40.823 Hobbs: 62.0

AIRCRAFT LOG ENTRY Tach: 41.2 Total Time: 41.2

1. Inspected airframe and skin surface.
2. Lubed all controls, hinges and attach points.
3. Inspected aircraft battery.
4. Tested all lights.
5. Inspected wheels and brakes.
6. CW AD 07-17-06 nose gear pivot axle by inspection. No cracks noted. Inspection due every 200 hours or annually.
7. Inspected ELT In Accordance With FAR 91.207D. Tested ok. Battery good till 9/2009.
8. Test ran aircraft, all systems tested ok.

I certify that this aircraft has been inspected In Accordance With FAR 43 appendix "D" annual inspection and was determined to be in airworthy condition. *****

Signed: John Luth ABP 3088025

Signed: W. E. Happel IA 1439711

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

7/25/07
Tach-500

CW GARMIN SERVICE ALERT No. 0824
By Inspection AND ops CHECK OF
CRS/BARS Knobs FOR INTERFERENCE. CHECKED
OK.

[Signature]

[Signature]

HONAKER AVIATION SELLERSBURG INDIANA

MN:Diamond DA40 SN:40.823 ACTT: 135.2
N3ZZ TACH:135.2 DATE:07/10/2009

AIRCRAFT LOG

Removed all exterior and interior panels, inspected and reinstalled panels. Checked all lights and electrical systems. Inspected all wheels and brakes, installed new 066-14100 linings on both brakes, greased wheel bearings. Inspected ELT IAW FAR 91.207 D, found good, battery good till March 2013 and remote switch battery good till Sept 2015. Removed fuel boost pump Pn:5100-00-9 Sn:7994 and installed repaired unit from Dukes Inc. Pn:5100-00-9 Sn:5290. AD2008-02-06 Garmin Inter. dated Feb. 26, 2008 does not apply due to model and part numbers. AD 2008-06-28R1 Avidyne, dated April 10,2008 does not apply due to not installed. AD20009-05-05 Avidyne, dated April 03-2009, does not apply due to not installed. AD 2009-07-14 Diamond Aircraft, dated May 11-2009 wing spars is due for compliance by end of August 2009. Complied with AD 2009-10-04 Diamond Aircraft, dated June 17, 2009,

CONTINUED

HONAKER AVIATION SELLERSBURG INDIANA

MN:Diamod DA40 SN:40.823 ACTT: 135.2
N3ZZ TACH:135.2 DATE:07/10/2009

AIRCRAFT LOG

CONTINUED

by dye penetrant inspection, no defects noted, due every 200 hours or annually whichever occurs first. AD 2008-08-14 Precision Airmotive, dated April 29, 2008 was PCW. Complied with AD 2008-14-07 Lycoming, dated Aug. 14, 2008 by inspection, due every 100hours, due again by ACTT:235.2. AD2008-19-05 Engine Components, dated Oct. 20, 2008, does not apply. AD2009-02-03 Precision Airmotive, dated Feb. 09-2009 was previously complied with 04-16-2008 at ACTT: 25.2 by SD Air Service Corp. no further action required. I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was found to be in a airworthiness condition.

SIGNED: *[Signature]* AP 3130580

SIGNED: *[Signature]* AP 2824972-1A

1. Approving National Aviation Authority/Country FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number 9091713
4. Organization Name and Address Sky-Tec Partners, LTD. 350 Howard clemmons Rd. Granbury, Texas 76048 (S01R819N)					5. Work Order/Contract/ Invoice Number 9091713	
6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	STARTER	149-24LS	N/A	1	F4L-040809	OVERHAULED
13. Remarks This PMA part is not a critical component. This item has been overhauled and tested in accordance with Sky-Tec Component Maintenance Manual LPMGR01.						
14. Certifies the items above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design and specified in Block 13.			19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13. Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature		16. Approval/Authorization No.		20. Authorized Signature <i>Ken McDonald</i>		21. Approval/Certificate No. S01R819N
17. Name (Typed or Printed)		18. Date (m/d/y)		22. Name (Typed or Printed) Ken McDonald		23. Date (m/d/y) OCT 21, 2009
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/assembly.						
Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts part/components/assemblies from the Airworthiness authority of the country specified in Block 1.						
Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the nation regulations by th the user/installer before the aircraft may be flown.						

Hebbs
0257.6

-----CUT HERE-----

WEIGHT AND BALANCE/EQUIPMENT LIST REVISION					
NAME:		DATE:			
AIRCRAFT MAKE/TYPE:		MODEL #:			
REGISTRATION #:		SERIAL #:			
PREVIOUS DATE:	WEIGHT:	ARM:	MOMENT:		
EQUIPMENT LIST	IN	OUT	WEIGHT	ARM	MOMENT
1 (P/N) (S/N) (Desc.) SKY-TEC STARTER	X				
2					
3					
4					

AIRCRAFT EMPTY WEIGHT: _____	
ARM: _____	SIGNATURE _____
MOMENT: _____	
GROSS WEIGHT: _____	AUTHORIZATION _____
USEFUL LOAD: _____	

NOTE: Weight and balance must be completed and attached to pilot's operating handbook.

- Sky-Tec Serial Numbers Beginning w/
- Lycoming Starters
 - CN - 9.4 lbs.
 - FN - 9.4 lbs.
 - CNE - 9.4 lbs.
 - FNE - 9.4 lbs.
 - FNR - 9.4 lbs.
 - FNER - 9.4 lbs.
 - C(x)H - 10.2 lbs.
 - F(x)H - 10.2 lbs.
 - C(x)M - 8.5 lbs.
 - F(x)M - 8.5 lbs.
 - C4E - 8.5 lbs.
 - F4E - 8.5 lbs.
 - H(x)M - 8.5 lbs.
 - H4E - 8.5 lbs.
 - C(x)C - 8.9 lbs.
 - F(x)C - 8.9 lbs.
 - H(x)C - 8.9 lbs.
 - C(x)L - 8.2 lbs.
 - F(x)L - 8.2 lbs.
 - C(x)P - 8.2 lbs.
 - F(x)P - 8.2 lbs.
- Continental Starters
- 2C - 9.2 lbs.
 - 2CR - 9.2 lbs.
 - (x)C3 - 6.5 lbs.

Removed ~~109~~ P/N 149-24LS
S/N F4L-190712

AIR TIME AND

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

BROUGHT FORWARD	Hrs: 199.5			
Aug-10-2009	TACH: 152.7	ACT: 152.7		<p>Complied with AD 2009-07-14 Diamond Aircraft cargo May 11, 2009, by inspecting No. 2 wing forward and aft spans for delamination in accordance with Diamond mandatory service Bulletin MSB-40-069 MSB-016, dated Oct-20-2008, results were fair to Diamond Aircraft and a copy was supplied in Aircraft Records and photos were taken. I certify that in the respect to the work performed that this aircraft is approved for return to service. — END —</p> <p style="text-align: right;"><i>P. Douglas Miller</i> AP 3130580</p>

12-18-2009 Tach Time 196.0 N3ZZ SN 40.823
 Complied with Garmin Service Bulletin # 0919 Rev. A by installing software version 0321.22 per G1000 Field Update Instructions (PN 190-00544-03 Rev 8). Complied with Garmin Service Bulletin # 0814 Rev A, by unlocking G1000 Synthetic Vision & Pathways per G1000 Synthetic Vision & Pathways Option, Activation Instructions (PN 190-00545-10). Replaced datacard cards with new PN 010-00330-43 & tested in according to Garmin SB 0919 Rev A.

P. Douglas Miller
 P. Douglas Miller
 A&P 307789261

12-29-2009	197	6		<p>unlocked TAWS with new card.</p> <p style="text-align: right;"><i>P. Douglas Miller</i> A&P 309489261</p>
------------	-----	---	--	---

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

MARCH 5, 2010 TACT 0257.6 ACTT 0257.6
Removed inoperative Sky Tec starter
p/n 149-2465, s/n 190712. Installed overhauled
Sky Tec starter p/n 149-2465, s/n F4L-040809, checked
starter system operations, checks normal with
respect to work performed this aircraft is
approved for return to service. -END-

Stephen Williams

AP2824972

H&S AVIONICS, INC 1924 Boston Rd. Bardstown, Ky 40004 502-510-1981

I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by Andrew Harlow to 20000 ft. Left altimeter S/N 47807958 Right altimeter S/N 460955. The ATC Transponder(s) were tested and inspected as per Part 91.413 IAW Part 43, Appendix F. #1 S/N 89104429 #2 S/N N/A Automatic altitude reporting system tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph C to 20000 feet. The static pressure system(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph A.

Signature: *Andrew Harlow* Date: 5/18/10
For H&S AVIONICS, INC FAA Certified Repair Station #V4HR991Y

Date: 05-20-2010 Registration #: N3ZZ
Make: Diamond Tach Time: 228.7
Model: DA-40 Hobbs Time: N/A
Serial No.: 40.823
ACTT: 228.7

HONAKER

Removed all interior and exterior panels as needed to inspect, lubricate aircraft. Reinstalled all panels that were removed for inspection. All lights and electrical systems checked and found to function properly. Inspected all wheels and brakes, packed all wheel bearing, reinstalled all wheels on aircraft. Inspected ELT in accordance with FAR 91.207D, found good, battery found good till March 2013, remote switch battery good till Sept-2015. Complied with AD2008-14-07 Lycoming Engine Fuel Injection lines by inspection of lines, no defects noted at this time, due anytime lines are loosened, moved for maintenance or annually. Complied with AD09-10-04 Diamond Aircraft Nose gear leg, by dye penetrant inspection of nose gear leg, no cracks or defects found at this time, due every 200 hours or annually, whichever occurs first, due again by ACTT: 428.7. AD 09-26-12 Engine components Inc., does not apply, due to cylinder's effected not installed on engine. Aircraft was test ran and all systems were checked and found to function properly. I certify that this aircraft has been inspected in accordance with an 100 HOUR inspection and was determined to be in an airworthiness condition.

Signed by: *Nicholas Arnold* Nicholas Arnold AP3281184
Honaker Aviation, Clark County Airport (JVV) (812) 246-5491
7001 Airport Rd, Sellersburg, IN 47172

I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthiness condition.

Signed by: *Stephen Williams* Stephen Williams AP2824972IA
Honaker Aviation, Clark County Airport (JVV) (812) 246-5491
7001 Airport Rd, Sellersburg, IN 47172

AIR TIME AND

7/12/10 N3ZZ HOBBS 298.0

Removed PFD, P/N 011-00972-03, S/N 88904364, and installed new unit, S/N 106002724. Configured and loaded software as required. Ground test okay. I certify that, with respect to the work performed, this aircraft is airworthy and is approved for return to service. Records are on file at this agency under WO# 59510.

signed *David Brown* for, RS PZ4R458M

Aircraft Specialists, Inc.
Sellersburg, Indiana



(800) 356-3723
(812) 246-4696

ED FOR COMPLETE

Date: 17-May-2011

Make: Diamond

Model: DA40

ACTT: 383.9

Registration #: N3ZZ

Tach Time: N/A

Hobbs Time: 383.9

Serial No.: 40.823

Removed all interior and exterior panels inspected and lubricated airframe as needed. Checked all lights and electrical systems, no defects noted at this time. Inspected all wheels and brakes, installed new main tires Pn:301-249-006 left sn:10412106 and right sn:10402347
Serviced tires to correct pressures. Removed aircraft main ship battery Pn:RG24-15M Sn:40181860 and installed new Concorde battery PN:RG24-15M Sn:40405053, operational check performed and battery found to function properly. Inspected ELT system in accordance with FAR 91.207 D and found good, battery good till Mar-2013 and remote switch battery good till Sept-2015. Complied with **Diamond Mandatory Service Bulliten MSB 40-067, D4-074, MSB F4-021 Emergency Exit Lever** by inspection of the pin, no defects noted at this time, filled out Execution Report for MSB and mail copy back to Diamond Aircraft and installed copy in aircraft paperwork. Complied with **AD2008-14-07 External Fuel Injection Lines** dated 14-Aug-2008, by visual inspection of lines, no defects noted at this time, due every 100 hours or anytime lines are loosened or moved for maintenance, due again by Actt:483.9. Complied with **AD2009-10-14 Nose Landing Gear Leg** dated 17-Jun-2009, by dye checking, no defects noted at this time, due every 200 hours or Annually whichever occurs first, due again by Actt:583.9 or May-2012. Aircraft was test ran and all systems were checked and found to function properly. I certify that this aircraft has been inspected in accordance with FAR 43 an **ANNUAL Inspection** and was determined to be in a airworthiness condition at this time.

Signed by: *Kent W. Hartfield*

Kent W. Hartfield AP31305801A

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

H
HONAKER
 Honaker Aviation, JVY
 (812) 246-5491

A/C REG: N3ZZ **DATE:** 5/18/12
MAKE: Diamond **METER:** 471.1
MODEL: DA40 **TAT:** 471.1
SERIAL #: 40.823 **TAC:** N/A

- Opened all interior and exterior panels, inspected and lubed airframe as needed. Installed panels. Checked all lights and electrical systems, no defects noted at this time. Inspected landing gear, serviced tires to correct pressures, greased all wheel bearings. Inspected brake system, no defects noted at this time. Inspected ELT IAW FAR 91.207 "D" found good. Battery expires March 2013, and remote switch battery expires September 2015.
- Complied with AD 2009-10-14 Nose landing gear leg, by dye pen inspection, no defects noted at this time. Due every 200 hours or annually which ever occurs first. Due again at Hobbs time 671.1 or May 2013

I certify, this airframe has been inspected in accordance with FAR 43 appendix D, an ANNUAL inspection, and has been found to be in an airworthiness condition at this time, and is approved for return to service.

MECHANIC: Nicholas Arnold **CERT #** 3281184 IA

SIGNATURE: *Nicholas Arnold*

H
HONAKER
 Honaker Aviation, JVY
 (812) 246-5491

A/C REG: N3ZZ **DATE:** 7/20/12
MAKE: Diamond **METER:** 493.7
MODEL: DA40 **TAT:** 493.7
SERIAL #: 40.823 **TAC:** N/A

- Removed and replaced RH MLG tube. Installed new 15x6-6.0 tube and serviced IAW Diamond MM.

I certify, in respect to the work accomplished, this aircraft has been released from maintenance and approved for return to service.

MECHANIC: Nicholas Arnold **CERT #** 3281184 A&P

SIGNATURE: *Nicholas Arnold*

VITATOE AVIATION LLC.
 Pickaway County Airport
 28181 McCrady Rd. Circleville, Ohio 43113

Date: 4 Oct 2012 HOBBS: 520.0 TTIS: 520.0 N3ZZ

Removed and replaced Nose landing tire and tube, tire P/N 505C61-8, tube P/N TR-67 Stem. Repaired right nose fairing

Bob Bell

AP 2961799

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					<p style="text-align: right;">A/C REG: N3ZZ DATE: 10/10/12</p> <p style="text-align: right;">MAKE: Diamond METER: 521.4</p> <p style="text-align: right;">MODEL: DA40 TAT: 521.4</p> <p style="text-align: right;">SERIAL #: 40.823 TAC: N/A</p> <p>➤ Removed and replaced LH MLG tube, installed new P/N 302246401. Serviced IAW Diamond MM installed wheel.</p> <p><i>I certify, in respect to the work accomplished, this aircraft has been released from maintenance and approved for return to service.</i></p> <p>MECHANIC: Nicholas Arnold CERT # A&P3281184</p> <p>SIGNATURE: </p>

					<p style="text-align: right;">A/C REG: N3ZZ DATE: 6/11/13</p> <p style="text-align: right;">MAKE: Diamond METER: 566.3</p> <p style="text-align: right;">MODEL: DA40 TAT: 566.3</p> <p style="text-align: right;">SERIAL #: 40.823 TAC: N/A</p> <p>➤ Opened all interior and exterior panels, inspected and lubed airframe as needed. Installed panels. Checked all lights and electrical systems, no defects noted at this time. Inspected landing gear, serviced tires to correct pressures, greased all wheel bearings. Inspected brake system, no defects noted at this time. Inspected ELT IAW FAR 91.207 "D" found good. Battery expires December 2023, and remote switch battery expires September 2015.</p> <p>➤ Removed and replaced leaking check valve on left fuel tank. Installed new CK250-E, leak and ops checks good.</p> <p>➤ Complied with AD 2009-10-14 Nose landing gear leg, by dye pen inspection, no defects noted at this time. Due every 200 hours or annually which ever occurs first. Due again at Hobbs time 766.3 or May 2014</p> <p><i>I certify, this airframe has been inspected in accordance with FAR 43 appendix D, an ANNUAL inspection, and has been found to be in an airworthiness condition at this time, and is approved for return to service.</i></p> <p>MECHANIC: Nicholas Arnold CERT # A&P 3281184IA</p> <p>SIGNATURE: </p>

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

 HONAKER Honaker Aviation, JVY (812) 246-5491	A/C REG: N3ZZ MAKE: Diamond MODEL: DA40 SERIAL #: 40.83	DATE: 10/25/13 METER: 622.9 TAT: 622.9 TAC: n/a	
---	--	--	--

- Installed overhauled fuel boost pump P/N 5100-00-9 ; S/N 10691B.
 Operates normal. Work performed IAW Diamond MM chapter 28-22-00.

I certify, in respect to the work accomplished, this aircraft has been released from maintenance and approved for return to service.

MECHANIC: Jeffrey Merkle **CERT #** A&P 2763903

SIGNATURE: _____

11/13/13 N3ZZ Diamond DA40, S/N 40.823
TACH 515.9 TOTAL ACFT 515.9

Removed emergency battery, P/N D60-2560-91-00, S/N 06-355-5808, and installed new emergency battery, P/N D60-2560-91-00, S/N 13-303-10. Replacement due 11/2015. Accomplished 12 Autopilot Slip Clutch Torque Checks in accordance with G1000 System Maintenance Manual - Diamond DA40/40F, P/N 190-00545-01 Rev G. Pitch servo slip clutch tested at 32"lbs (specification is 35+/-5). Roll servo slip clutch tested at 41"lbs (specification is 40+/-5). Pitch trim servo slip clutch tested at 29"lbs (out of specification, 36+/-5). Removed co-pilot's seat to access servo mount. Adjusted Pitch Trim Servo mount, P/N 011-00894-04, S/N 66800263 and retested with satisfactory result of 37"lbs. Installed co-pilot's seat. Removed battery, P/N RG24-15M, S/N 40405053, and top charged. Accomplished capacitance check with a satisfactory result of 85%. Top charged battery and installed. Researched AD 2010-25-01 "Change to emergency open door procedures" and verified compliance by presence of TR-MAM-40-428, inside POH. Installed new exhaust support hangar, P/N 211 and new retainers, P/N 202 at tailpipe. Installed new duct from cowl to inlet on heater shroud. I certify that, with respect to the work performed, this aircraft is airworthy and is approved for return to service. Records are on file at this agency under WO# 70367.

signed for, RS PZ4R458M

Aircraft Specialists, Inc.
Sellersburg, Indiana



(800) 356-3723
(812) 246-4696

11/13/13 N3ZZ Diamond DA40, S/N 40.823
TACH 515.9 TOTAL ACFT 515.9

The biennial check required by FAR Part 91.411 on the static pressure system, altimeter instrument and automatic pressure altitude reporting system have been performed and found to comply with FAR Part 43 appendix E. All systems have been tested to 20,000 feet. The biennial check required by FAR Part 91.413 on the ATC transponder has been performed and found to comply with FAR Part 43 appendix F.
 #1 Altimeter: Garmin GDC74A, P/N 011-00882-00, S/N 47807958. Transponder: Garmin GTX33, P/N 011-00779-10, S/N 89104429. #2 Altimeter: United P/N 5934PD-3, S/N 460955.
 Records are on file at this agency under WO# 70367.

signed for RS PZ4R458M

Aircraft Specialists, Inc.
Sellersburg, Indiana



(800) 356-3723
(812) 246-4696

10/25/13

SLM

N3ZZ

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: QAA# WO1770005717.003	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 East Apache Tulsa, OK 74115		Phone: 1-877-833-6948 918-835-6948 Fax: 918-835-2804		5. Work Order/Contract/Invoice Number: WO1770005717.003	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:
1	FUEL PUMP	5100-00-9	N/A	1	10691B
12. Status/Work: OVERHAUL					

13. Remarks:
S/B'S 0001, 0002, 0003, 0004

MANUAL#: 5100-00 SERIES REV. 1 ISSUE DATE: 02/28/10
ATP 5100-04-9 REV. C ISSUE DATE: 02/25/08

Certifies that the work specified in Block 12/13 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 approval no EASA 145.5982.

See Attached Work Order Summary for details. (3) pages (MECH: DC)

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
15. Authorized Signature:		20. Authorized Signature: <i>Dwight Mitchell</i>	
16. Approval/Authorization No.:		21. Approval/Certificate No.: QYIR334Y	
17. Name (Typed or Printed):		22. Name (Typed or Printed): <i>Dwight Mitchell</i>	
18. Date (m/d/y):		23. Date (m/d/y): NOV 21, 2012	
User/Installer Responsibilities			
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.			

1. Approving Civil Aviation Authority/Country

Transport Canada

2.

AUTHORIZED RELEASE CERTIFICATE FORM ONE

3. Form Tracking Number:

SI123850

4. Organizations Name and Address:

**Diamond Aircraft Industries Inc.
1560 Crumlin Sideroad
London, Ontario N5V 1S2**

5. Work Order/Contract/Invoice

PO13-01392

6. Item:

1 Check Valve Replaces 820-2811-07-00

8. Part Number:

CK250-E

9. Quantity:

2

10. Serial/Batch Number:

RC1303342 (2)

11. Status/Work:

NEW

12. Remarks: Customer Reference PO13-01392

13a. Certifies that the items identified above were manufactured in conformity to:

- Approved design data and are in condition for safe operation
- Non-approved design data specified in Block 12.

19. CAR 571 (10) Maintenance Release

Other regulations specified in block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the Canadian Aviation Regulations

13b. Signature

13c. Approval Organization Number

DA Q 123 /161-93

13d. Name

Dave Hari

13e. Date (dd/mm/yyy):

30/May/2013

14b. Signature

14d. Name

14c. Approved Organization Number

14e. Date (dd/mm/yyyy)

30 Dec 2008(Previously form 24-0078)

Installer Responsibilities


This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

AIR TIME AND

Date: 6/02/2014; Aircraft: N3ZZ; Type: DA40; S/N: 40.823
Tach: 536.4; Total Time: 536.4

Inspected ELT, P/N, E-01, S/N, 058394 in accordance with 14 CFR Part 91.207 (d)(1)(2)(3)(4). Installed new batteries, P/N MN1300, Expiration 06/2016. Adjusted preload on nose wheel steering spindle in accordance with DA.40 MM, Chapter 32-20-000, section 200. Removed CO2 sensor, P/N 452-201-010, S/N 70476, and installed new CO2 detector sensor, P/N 452-201-011, S/N 93276. Researched AD 2009-10-04 - Inspection of nose landing gear leg, and determined AD states reoccurring inspection to be done each 12 months or 200 hours, whichever occurs later. Researched logs and determined AD was last accomplished on 6-11-13 at Hobbs = 566.3, next due at Hobbs = 766.3. Researched AD 2013-24-14 - Modification of main spar in cabin area, and determined AD is due at the next major structural inspection (2000 hours), or 07/2023, whichever occurs first. Removed battery, P/N RG24-15M, S/N 40405053 and installed new battery, P/N RG24-15M, S/N 40654271. Accomplished Instructions for Continued Airworthiness on Power Flow Exhaust System in accordance with Section 5.0 of Report No. PFS-15250-00, Rev E, dated 6/10/2010 as required by STC# SA03281AT Lubricated airframe, cleaned fuel screens, serviced battery, serviced hydraulics. I certify that this aircraft has been inspected and serviced in accordance with an ANNUAL Inspection and has been determined to be in airworthy condition. Records are on file at this agency under WO# SVC14-04052

Signed  for CRS# PZ4R458M
Douglas J Bramer

Clark Regional Airport (KJVY)
Sellersburg, Indiana



800-356-3723

Date: 6/18/2015; Aircraft: N3ZZ; Type: DA40; S/N: 40.823
Tach: 605.9; Total Time: 605.9

Inspected ELT, P/N E-01, S/N 058394 in accordance with 14 CFR Part 91.207 (d)(1)(2)(3)(4). Battery Expiration date: 06/16. Complied with AD 2009-10-04 by inspection of nose landing gear for cracks. No discrepancies noted, next due at Tach = 805 or 12 months, whichever occurs later. Performed power-flo exhaust instructions for continued airworthiness in accordance with ICA Section 5.2, Airworthiness Limitation Checklist. Removed left wheel assembly, disassembled wheel and rotated existing tire, P/N 156E66-4, S/N 1041206 to obtain even camber wear, assembled wheel and installed. Installed new insert in tailpipe, P/N PFS-8016 and installed tailpipe assembly. Removed right wheel assembly, disassembled wheel and rotated existing tire, P/N 156E66-4, S/N 10402341 to obtain even camber wear, assembled wheel and installed. Removed nose wheel caster assembly and installed new tow limit stop plate, P/N D41-3223-00-51, installed nose wheel caster assembly. Verified steering friction test to be within limits. Researched AD 2015-02-07, "Propeller governor shaft set screw: and determined not applicable due to engine is not aerobatic. Lubricated airframe, cleaned fuel screens, serviced battery, serviced hydraulics. I certify that this aircraft has been inspected and serviced in accordance with an ANNUAL Inspection and has been determined to be in airworthy condition. Records are on file at this agency under WO# SVC15-04459.

Signed  for CRS# PZ4R458M
Douglas J Bramer

Clark Regional Airport (KJVY)
Sellersburg, Indiana



800-356-3723

CARRIED FORWARD

Date: 2/29/2016; Aircraft: N3ZZ; Type: DA40; S/N: 40.823

Tach: 654.4; Total Time: 654.4

Installed new scat tubing from right cooling inlet to battery box. Serviced nose tire to 29 PSI and mains to 36 PSI and verified wear okay at this time. Swapped #3 cylinder EGT probe with #1 cylinder EGT probe to determine future indication. I certify that, with respect to the work performed this aircraft is airworthy and is approved for return to service. Records are on file at this agency under WO# SVC16-04772.

Signed _____

DJ Bramer

for CRS# PZ4R458M

Douglas J Bramer

Clark Regional Airport (KJVY)
Sellersburg, Indiana
800-356-3723



ENCE
MBER

Date: 7/08/2016; Aircraft: N3ZZ; Type: DA40; S/N: 40.823

Tach: 673.1; Total Time: 673.1

The biennial check required by 14 CFR Part 91.411 on the static pressure system(s), altimeter instrument(s), and automatic pressure altitude reporting system(s) have been performed and found to comply with 14 CFR Part 43 appendix E. All systems have been tested to 20,000 feet. The biennial check required by 14 CFR Part 91.413 on the ATC transponder has been performed and found to comply with FAR Part 43 appendix F.

#1 Altimeter: P/N 011-00882-00, S/N 47807958, Date Altimeter Tested: 7/5/2016.

#2 Altimeter: P/N 5934PD-3, S/N 460955, Date Altimeter Tested: 7/5/2016.

#1 Txp: GTX33, P/N 011-00779-10, S/N 89104429. Records are on file at this agency under WO# SVC16-04888.

Signed _____

Douglas J Bramer

for CRS# PZ4R458M

Douglas J Bramer

Clark Regional Airport (KJVY)
Sellersburg, Indiana
800-356-3723



Date: 7/08/2016; Aircraft: N3ZZ; Type: DA40; S/N: 40.823

Tach: 673.1; Total Time: 673.1

Removed ELT, P/N E-01, S/N 058394, and installed new battery, inspected ELT in accordance with 14 CFR Part 91.207 (d)(1)(2)(3)(4). Battery Expiration date: 06/2017. Installed new induction air filter, P/N FR-08504. Removed birds nest material from engine compartment. Installed new terminal end on ground strap for rudder mount and installed at mounting bolt. Removed battery, P/N RG24-15M, S/N 40654271 and installed new battery, P/N RG24-15M, S/N 40803769. Installed new emergency battery, P/N D60-2560-91-00, S/N 16-180-4. Next due 07/2018. Complied with power-flo exhaust instructions for Continued Airworthiness in accordance with ICA Section 5.2, Airworthiness Limitation Checklist, no defects noted. Lubricated airframe, cleaned fuel screens, serviced hydraulics. I certify that this aircraft has been inspected and serviced in accordance with an ANNUAL Inspection per 14 CFR, Part 43, Appendix D - Scope and Detail of Items to be Included in Annual Inspections, and has been determined to be in airworthy condition. Records are on file at this agency under WO# SVC16-04888.

Signed _____

Douglas J Bramer

for CRS# PZ4R458M

Douglas J Bramer

Clark Regional Airport (KJVY)
Sellersburg, Indiana
800-356-3723



AIR TIME AND

OR COMPLETE

Date: 9/02/2016; Aircraft: N3ZZ; Type: DA40; S/N: 40.823; Tach: 687.0

Installed new EGT probe P/N A002BG-WIP in #1 cylinder and completed satisfactory operational check. I certify that, with respect to the work performed this aircraft is airworthy and is approved for return to service. Records are on file at this agency under WO# SVC16-04943.

Signed *Doug J Bramer* for CRS# PZ4R458M
Douglas J Bramer

Clark Regional Airport (KJVY)
Sellersburg, Indiana
800-356-3723



Date: 7/27/2017, Aircraft: N3ZZ, Type: DA40, S/N: 40.823, Tach: 863.0, TT: 863.0

Inspected ELT IAW 14 CFR Part 91.207 (d)(1)(2)(3)(4), expires 06-2018. Researched ADs. Complied with AD 2009-10-04 inspection of nose landing gear for cracks with no defects noted. Inspected MLG/NLG wheel and tires assemblies, lubricated airframe, serviced hydraulics and cleaned fuel screens. Replaced exhaust attachment assembly and complied with power-flo exhaust instructions for continued airworthiness. I certify that this aircraft has been inspected and serviced IAW an annual/100hr inspection and has been determined to be in airworthy condition. Records are on file at this agency under WO# SVC17-05132.

Signed *Michael W. Nation* CRS #PZ4R458M
Michael W. Nation

Clark Regional Airport (KJVY)
Sellersburg, Indiana
800-356-3723



Date: 8/7/2017, Aircraft: N3ZZ, Type: DA40, S/N: 40.823, Tach: 868.7, TT: 868.7

Replaced electrical fuel pump PN 5100-00-9, performed ops check and leak check with no defects. Installed WAAS Antenna GA35 PN 013-00235-00 SN 137827 and installed GTX 335R PN 010-01215-43 SN 3EF400398, performed ops check with no defects. With respect to the work performed the aircraft is approved for return to service. Records are on file at this agency under WO# SVC17-05157.

Signed *Michael W. Nation* CRS #PZ4R458M
Michael W. Nation

Clark Regional Airport (KJVY)
Sellersburg, Indiana
800-356-3723



CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

DATE: 24 JULY 2018, N3ZZ, TYPE: DA40, S/N: 40.823

TACH: 772.2 HOBBS: 924.1

ANNUAL INSPECTION DUE; COMPLIED ANNUAL INSPECTION REQUIREMENTS IN ACCORDANCE DIAMOND MAINTENANCE MANUAL CHAP 5. SERVICED BRAKE CYLINDERS WITH HYDRAULIC FLUID, CLEANED AND LUBRICATED ALL FLIGHT CONTROLS, INSPECTED AND CLEANED INDUCTION AIR FILTER. RESEARCHED APPLICABLE AD'S. AD2009-10-04 DUE AT TACH TT 1063.0 AD2014-13-08 DUE AT OR BEFORE TACH TT 2000.0 OR AUGUST 2023. INSPECTED ELT IN ACCORDANCE WITH FAR 91.207(d).

LEFT AND RIGHT MAIN TIRES WORN BEYOND LIMITS; REMOVED LEFT MAIN TIRE P/N 156E66-4 S/N UNKNOWN, INSTALLED NEW LEFT MAIN TIRE P/N 156E66-4 S/N 80442266, REMOVED RIGHT MAIN TIRE P/N 156E66-4 S/N UNKNOWN INSTALLED NEW RIGHT MAIN TIRE P/N 156E66-4 S/N 10402347 IN ACCORDANCE WITH DIAMOND MAINTENANCE MANUAL CHAP 32-40-00.

PROPELLER LEAKING GREASE FROM HUB; CLEANED GREASE FROM BLADES AND HUB, PERFORMED GROUND WITH NO LEAKS NOTED.

LEFT AND RIGHT BRAKE LININGS WORN; REMOVED AND REPLACED BRAKE LININGS P/N 066-14100 IN ACCORDANCE WITH DIAMOND MAINTENANCE MANUAL CHAP 32-40-00.

LEFT AND RIGHT BRAKE CALIPERS LEAKING HYDRAULIC FLUID; REMOVED AND REPLACED BRAKE CALIPER O-RINGS P/N MS28775-224. PERFORMED FUNCTIONAL TEST, NO LEAKS NOTED.

EMERGENCY BATTERY DUE REPLACEMENT; REMOVED OLD EMERGENCY BATTERY P/N D60-2560-91-00 S/N 16-180-4, INSTALLED NEW EMERGENCY BATTERY P/N D60-2560-91-00 S/N 17-180-8 IN ACCORDANCE WITH DIAMOND MAINTENANCE MANUAL CHAP 24-00-00.

ELT BATTERIES DUE REPLACEMENT; REMOVED AND REPLACED ELT BATTERIES P/N D8 DURACELL BATTERIES (8 EACH).

THIS AIRCRAFT IS APPROVED RETURN TO SERVICE AND FOUND TO BE IN AN AIRWORTHY CONDITION.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC18-05424.

Signed  for CRS# PZ4R458M
DANIEL K. BARTON



Clark Regional Airport KJVY Sellersburg IN

DATE: 17 AUGUST 2018, N3ZZ, TYPE: DA40, S/N: 40.823

TACH: 776.0 HOBBS: 928.9

CUSTOMER REQUEST MAIN BATTERY BE REPLACED; REMOVED OLD BATTERY P/N RG24-15M S/N 40803769, INSTALLED NEW BATTERY P/N 7243-14 S/N G03018841. PERFORMED ENGINE START AND GROUND RAN AIRCRAFT. NO DEFECTS NOTED.

THIS AIRCRAFT IS APPROVED RETURN TO SERVICE AND FOUND TO BE IN AN AIRWORTHY CONDITION.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC18-05458.

Signed  for CRS# PZ4R458M
DANIEL K. BARTON



Clark Regional Airport KJVY Sellersburg IN

AIR TIME AND

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

Date: 01/31/2019; Aircraft: N3ZZ, Type: DA40, S/N: 40.823, HOBBS: 947.4 Hrs,

PERFORMED THE FOLLOWING MAINTENANCE: Removed and installed new Gill 7243-14, serial G03031005 Main Ship Battery i/a/w DA40 MM Ch. 24-34-00 as applicable.

I CERTIFY THAT IN AS FAR AS THE WORK PERFORMED THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE AND FOUND TO BE IN AIRWORTHY CONDITION. DETAILS ARE ON FILE AT THIS LOCATION WO# SVC19-05596

SIGNED *Robert C Masters* FOR CRS# PZ4R458M

ROBERT C MASTERS

CLARK REGIONAL AIRPORT (KJVY) SELLERSBURG, INDIANA 800-356-3723



DATE: 8/1/2019, N3ZZ, TYPE: DA40, S/N: 40.823, TACH: 806.9, HOBBS: 965.0, ACTT: 965.0

ANNUAL INSPECTION: PERFORMED ANNUAL INSPECTION PER DIAMOND DA40.180 MAINTENANCE MANUAL CHAPTERS 4&5. JACKED AIRCRAFT. REMOVED MAIN AND NOSE WHEEL ASSEMBLIES. CLEANED, INSPECTED, PACKED BEARINGS AND REINSTALLED TO AIRCRAFT. PERFORMED 12 MONTH ELT INSPECTION AND FUNCTIONAL CHECK PER FAR 91.207 (d). COMPLIED WITH ICA FOR POWER FLOW EXHAUST BY VISUAL INSPECTION WITH NO DISCREPANCIES NOTED AT THIS TIME. INSPECTED AND CLEANED FUEL STRAINERS. LUBRICATED FLIGHT CONTROLS AND SERVICED BRAKE RESEVOIRS WITH HYDRAULIC FLUID. AD'S ARE CURRENT AND UP TO DATE THROUGH CURRENT DATE.

AMSAFE INFLATOR BOX EXPIRED: REMOVED EXPIRED AMSAFE ELECTRONIC MODULE AND INSTALLED NEW MODULE P/N 508358-421, LN: 35720470, DOM: A0519 (CIRRUS P/N 20902-001). TESTED SYSTEM WITH AMSAFE TEST BOX. TEST SATISFACTORY. NEXT REPLACEMENT DUE 06/2026.

ELT BATTERIES DUE REPLACEMENT: REMOVED AND REPLACED OLD ELT BATTERIES WITH EIGHT NEW "D" CELL DURECELL BATTERIES. BATTERIES DUE REPLACEMENT 3/2021. PERFORMED FUNCTIONAL CHECK OF ELT. CHECK SATISFACTORY.

MAIN AIRCRAFT BATTERY CAP TEST DUE: PERFORMED BATTERY CAPACITY CHECK IAW GILL "LT SEALED" VALVE-REGULATED LEAD-ACID BATTERY COMPONENT MAINTENANCE MANUAL. BATTERY CAPACITY CHECK SATISFACTORY AT 91%. NEXT DUE 12 MONTHS

NOSE WHEEL CASTORING TORQUE LOW: TIGHTENED SPINDLE NUT OF NOSE WHEEL FORK ASSY FOR A CASTORING TENSION OF 10.5 lbs. PERFORMED IAW DA40 MAINTENANCE MANUAL.

NOSE WHEEL TURN STOP WORN OUT: REMOVED NOSE LANDING GEAR FORK. REMOVED AND REPLACED WORN STEERING STOP WITH NEW STOP P/N D41-3223-00-5, 1 AND 2 NEW WASHERS P/N DIN2093A-25X12.2X1.5. REINSTALLED NOSE LANDING GEAR FORK AND SET CASTORING TENSION.

AD 2009-10-04 NOSE GEAR INSPECTION DUE: COMPLIED WITH AD 2009-10-04 EFFECTIVE DATE: 6/17/09 BY DYE PENETRANT INSPECTION OF THE NOSE LANDING GEAR LEG FOR CRACKS. NO DEFECTS NOTED AT THIS TIME. NEXT DUE 12 MONTHS OR 200HRS. WHICHEVER OCCURS FIRST.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC19-05761.

Signed *Aaron J Andrews* for CRS# PZ4R458M

AARON J ANDREWS



Clark Regional Airport KJVY Sellersburg IN

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



DATE: 08/01/2019, REGISTRATION: N3ZZ, TACH: 806.9

THE BIENNIAL CHECK REQUIRED BY FAR PART 91.411 ON THE STATIC PRESSURE SYSTEM(S), ALTIMETER INSTRUMENT(S), AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43 APPENDIX E. THE BIENNIAL CHECK REQUIRED BY FAR PART 91.413 ON THE ATC TRANSPONDER HAS BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43 APPENDIX F.

- #1 ALTIMETER MFG: GARMIN MODEL: GCD-74A P/N: 011-00882-00 S/N: 47807958
- #1 TRANSPONDER MFG: GARMIN MODEL: GTX 33 S/N: 89104429
- #1 STAND BY ALTIMETER MFG: UNITED INST. MODEL 5934PD-3 S/N: 460955

WITH RESPECT TO THE WORK PERFORMED THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

RECORDS ARE ON FILE AT THIS AGENCY UNDER WO# SVC10-08116.

SIGNED

CRS #PZ4R458M

MAX WIKE
CLARK REGIONAL AIRPORT (KJVY)
SELLERSBURG, INDIANA
800-356-3723

DATE: 11/24/2020, AIRCRAFT: N3ZZ, TYPE: DA40-180, S/N: 40.823, A/FTT: 1010.3, TACH: 845.5

ANNUAL INSPECTION: PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH DIAMOND DA40-180 MAINTENANCE MANUAL CH. 4&5. REMOVED MAIN AND NOSE WHEEL ASSEMBLIES, INSPECTED, LUBRICATED AND REINSTALLED WHEEL ASSEMBLIES. NO DISCREPANCIES NOTED. COMPLIED WITH ELT 12 MONTH CHECK IAW FAR 91.207 (d) WITH NO DISCREPANCIES NOTED. LUBRICATED AIRFRAME AND SERVICED HYDRAULICS. REMOVED CLEANED INSPECTED AND REINSTALLED AIRCRAFT FUEL STRAINER WITH NOT DISCREPANCIES NOTED. AD'S ARE CURRENT AND UP TO DATE THROUGH THIS DATE.

CO-PILOT'S BRAKE CYLINDERS WEAK: SERVICED BOTH BRAKE MASTER CYLINDER RESEVOIRS WITH FLUID.

R/H AILERON BONDING STRAP FRAYED: REMOVED FRAYED BONDING STRAP AND REPLACED WITH NEW BONDING STRAP.

ACK ELT REMOTE SWITCH BATTERY DUE: REMOVED AND REPLACED ACK ELT REMOTE SWITCH BATTERY WITH NEW BATTERY, NEXT DUE DATE 03/2028. OPS CHECK GOOD.

WING ROOT SEALS DETERIORATING: REMOVED AND REPLACED WITH NEW SEALS.

RIGHT RUDDER TRAVEL OUT OF RIG: ADJUSTED RIGHT RUDDER TRAVEL TO WITHIN TOLERANCES.

OIL COOLER SEAL MISSING PIECE: REPLACED MISSING SEAL ON OIL COOLER.

NOSE GEAR STEERING STOP BUMPERS WORN: REMOVED AND REPLACED WORN NOSE GEAR STEERING STOPS WITH 2 NEW STOPS P/N D44-3223-30-32_01.

MULTIPLE PANEL SCREWS STRIPPED: REMOVED AND REPLACED MULTIPLE STRIPPED FASTENERS FROM AIRFRAME INSPECTION PANELS.

12 MONTH BATTERY CAPACITY TEST DUE: BATTERY CAPACITY TEST FAILED 3 TIMES. REMOVED OLD "GLL" BATTERY P/N 7243-14, RECEIVED, INSPECTED, SERVICED, AND INSTALLED NEW "GILL" BATTERY P/N 7243-14, SN# G03101834. OPS CHECK SATISFACTORY.

ICA FOR POWER FLOW EXHAUST: REMOVED EXHAUST AND COMPLIED WITH 12 MONTH CHECK OF POWERFLOW EXHAUST PER POWERFLOW EXHAUST ICA. NO DISCREPANCIES NOTED AT THIS TIME. REINSTALLED EXHAUST.

FUEL INTERCONNECT AND VENT HOSES DUE REPLACEMENT: REMOVED WINGS FROM AIRCRAFT AND REMOVED FUEL CELLS FROM CAVITIES. REMOVED AND REPLACED ALL FUEL INTERCONNECT HOSES AND VENT LINES WITH NEW. REINSTALLED CELLS TO CAVITIES AND REINSTALLED WINGS TO AIRCRAFT. INCREMENTALLY FILLED AND LEAK CHECKED FUEL TANKS. NO LEAKS DETECTED, FUEL QTY INDICATION ACCURATE. NAV LIGHTS AND FLIGHT CONTROLS SURFACES FUNCTIONAL CHECK SATISFACTORY. ALL WORK PERFORMED IN REFERENCE WITH DIAMOND DA40-180 MAINTENANCE MANUAL.

FIRE EXTINGUISHER IS DUE REPLACEMENT: REMOVED AND REPLACED EXPIRED HAND HELD FIRE EXTINGUISHER WITH NEW MODEL NUMBER AMA620T.

AD 2015-19-07 EFF DATE 11/03/2015 FUEL INJECTOR FUEL LINES INSP DUE: COMPLIED WITH AD 2015-19-07 EFF DATE 11/03/2015 BY VISUAL INSPECTION OF FUEL LINES AND ATTACHING HARDWARE WITH NO DISCREPANCIES NOTED AT THIS TIME.

EMERGENCY BATTERY DUE IT'S TWO YEAR REPLACEMENT: REMOVED AND REPLACED TIMED OUT EMERGENCY BATTERY PACK WITH NEW PACK P/N D60-2560-91-00.

NOSE WHEEL CASTERING TORQUE LOW: SET NOSE WHEEL STEERING TENSION TO WITHIN MANUFACTURERS SPECS IAW DIAMOND DA40-180 MAINTENANCE MANUAL.

Continued on next page →

Altitude Scale Error <i>N3Z Z</i>			
Test Altitude	Scale Error	PILOT	STANDBY
-1000	<u>20</u>	-1000	-1000
0	<u>20</u>	0	-980
500	<u>20</u>	490	500
1000	<u>20</u>	980	980
1500	<u>25</u>	1480	1480
2000	<u>30</u>	1980	2000
3000	<u>30</u>	2980	3020
4000	<u>35</u>	4975	4000
5000		0	0
6000	<u>40</u>	5978	5980
8000	<u>60</u>	7980	7960
10000	<u>80</u>	9970	9960
12000	<u>90</u>	11975	11980
14000	<u>100</u>	13960	13920
15000		0	0
16000	<u>110</u>	0	0
18000	<u>120</u>	0	0
20000	<u>130</u>	0	0
22000	<u>140</u>	0	0
25000	<u>155</u>	0	0
30000	<u>180</u>	0	0


AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

BRO FOR AMSAFE INFLATER CARTRIDGES EXPIRED: REMOVED EXPIRED AMSAFE INFLATOR CARTRIDGES AND HARNESS. INSTALLED NEW INFLATOR KIT P/N 509667-217 AND PERFORMED TEST OF AMSAFE SYSTEM. NO DISCREPANCIES NOTED. INFLATOR EXPIRATION DATE IS 10/2030. PERFORMED IN REFERENCE WITH DIAMOND DA40-180 MAINTENANCE MANUAL.
 RH WINDOW LATCH BROKEN: REMOVED AND REPLACED WITH NEW P/N 301.25.4110. OPS CHECK GOOD. ALL WORK PERFORMED PER DIAMOND AIRCRAFT DA-40 MAINTENANCE MANUAL.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC20-06154 & 06155.

Signed  for CRS# PZ4R458M
 AARON J. ANDREWS



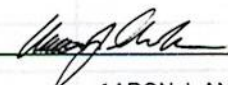
Clark Regional Airport KJVY Sellersburg IN

DATE: 1/25/2021, AIRCRAFT: N3ZZ, TYPE: DA40-180, S/N: 40.823, HOBBS: 1018.8, TACH: 851.8

NOSE WHEEL SHIMMY: INSPECTED NOSE WHEEL ASSEMBLY. RESECURED LOOSE NOSE WHEEL PANT AND RESET NOSE WHEEL CASTORING TORQUE TO WITHIN SPECIFIED LIMITS. PERFORMED IN REFERENCE WITH DA40-180 MAINTENANCE MANUAL.

I CERTIFY THAT IN AS FAR AS THE WORK PERFORMED THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC21-06292.

Signed  for CRS# PZ4R458M
 AARON J. ANDREWS



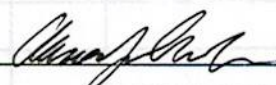
Clark Regional Airport KJVY Sellersburg IN

DATE: 3/17/2021, AIRCRAFT: N3ZZ, TYPE: DA40-180, S/N: 40.823, HOBBS: 1024.2, TACH: 856.3

NOSE WHEEL TORQUE CHECK: INSPECTED NOSE WHEEL ASSEMBLY. CHECKED NOSE WHEEL CASTORING TORQUE AND DETERMINED TO BE TOO LOW. REMOVED, CLEANED, REINSTALLED AND SET CASTORING TORQUE IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL.

I CERTIFY THAT IN AS FAR AS THE WORK PERFORMED THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC21-06352.

Signed  for CRS# PZ4R458M
 AARON J. ANDREWS



Clark Regional Airport KJVY Sellersburg IN

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking Number: SI185899
4. Organizations Name and Address: Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad London, Ontario N5V1S2				5. Work Order/Contract/Invoice 8233	
6. Item: 1	7. Description: Nut, Hexagon	8. Part Number: DIN985-M6-A2	9. Quantity: 5	10. Serial/Batch Number: RC2007841 (5)	11. Status/Work: NEW
12. Remarks: Customer Reference 8233					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i>		
13b. Signature: 	13c. Approval Organization Number:  161-93	14b. Signature	14c. Approved Organization Number		
13d. Name: Derreck Leenders	13e. Date (dd/mmm/yyyy): 13/Oct/2020	14d. Name	14e. Date (dd/mmm/yyyy):		
30 Dec 2008(Previously form 24-0078)					
Installer Responsibilities					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

1. Approving Civil Aviation Authority (Country): FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 7444885	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					
5. Item:	6. Part Number:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:
10	7243-14	SEALED ACID BATTERY 24V 14A	G03101834	1	New
11. Status/Work					
New					
12. Remarks: AUTHORIZED RELEASE DOCUMENT					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approval design data and are in a condition for safe operation. <input type="checkbox"/> Non-spare of design data specified in Block 12.					
13b. <input type="checkbox"/> 14 CFR 43.9 Items in Service. <input type="checkbox"/> Other regulations specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
13c. Authorized Signature: <i>David J. Miller</i>		13d. Approval/Certificate No.:		13e. Date (dd/mm/yyyy):	
		PC4		19/Oct/2020	
13f. Name (Typed or Printed): DAVID J. MILLER		13g. Name (Typed or Printed):		13h. Date (dd/mm/yyyy):	
				19/Oct/2020	
14. Approval/Certificate No.:					
User/Installer Responsibilities					
It is important to understand that the existence of this document does not automatically constitute authority to install the aircraft engine propeller article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that they are airworthiness authority accepts aircraft engine/propeller article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 13b do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S436057-1-ND	
4. Organization Name and Address: AMSAFE, INC 1043 NORTH 47TH AVE PHOENIX, AZ. 85043				5. Work Order/Contract/Invoice Number: S436057-1 3 PAGES ATTACHED		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	INFL KIT ASSY	509667-217	2	SEE ATTACHED SHEETS	NEW	
12. Remarks: DRAWING: 509667 REV: P INFLATOR ASSY P/N: 512847-401 LOT NO: 35955165 EXPIRATION DATE: OCT/2030 DATE CODE: A0920 AIRWORTHINESS APPROVAL						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): NGA DUONG		13e. Date (dd/mm/yyyy): 12/NOV/2020		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

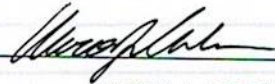
DATE: 9/16/2021, AIRCRAFT: N3ZZ, TYPE: DA40-180, S/N: 40.823, HOBBS: 1058.9, TACH: 885.9

OWNER REQUESTS REPLACE GILL BATTERY WITH CONCORDE: REMOVED UPPER COWL. REMOVED AND REPLACED GILL BATTERY P/N 7243-14 WITH NEW CONCORDE BATTERY P/N RG24-15M, S/N 41173723. GROUND OPERATIONAL CHECK SATISFACTORY. PERFORMED IN REFERENCE WITH DIAMOND DA40 MM.

I CERTIFY THAT IN AS FAR AS THE WORK PERFORMED THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC21-06531.

Signed



for CRS# PZ4R458M

AARON J. ANDREWS



Clark Regional Airport KJVY Sellersburg IN

wo: AVI21-08298

Airframe - page 1 of 1



Aircraft Specialists, Inc. - 6005 Propeller Lane - Sellersburg, Indiana 47172 - 812-246-4696 Ext. 705 - CRS#: PZ4R458M

N3ZZ DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.823
HOBBS: 1065.6 TTAF: 891.4

December 01, 2021

The biennial test and inspection required by 14 CFR Part §91.411 on the static pressure system(s), altimeter instrument(s), and automatic pressure altitude reporting system(s) have been performed and found to comply with 14 CFR Part §43 Appendix E. All systems have been tested to 20,000 feet.

The biennial test and inspection required by 14 CFR Part §91.413 on the ATC transponder(s) have been performed and found to comply with 14 CFR Part §43 appendix F.

Altimeter/ADC (1) P/N 011-00882-00 S/N 47807958

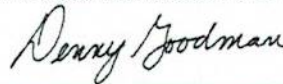
Altimeter/ADC (2) P/N 5934PD-3 S/N 460955

Date Altimeters/ADCs Tested: 12 / 01 / 2021

Transponder (1) P/N 011-03301-40 S/N 3EF400398.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Aircraft Specialists, Inc. under work order: AVI21-08298.

Denny Goodman FAA CRS PZ4R458M



**Concorde Battery Corporation
Limited Warranty Claim Card**

This Limited Warranty Claim Card applies only to RG Series commercial aircraft batteries and assembly parts (temperature sensors, monobloc assemblies, front shell, back shell and heater control units) manufactured and sold by Concorde. This card is for warranty claim purposes only.

The complete terms and conditions of the Concorde Battery Corporation Limited Warranty for Commercial Aircraft Batteries are published on www.concordebattery.com. In the event of any inconsistency between this Card and the Limited Warranty, the Limited Warranty shall control.

This card is not intended to be used to register your battery. Battery registration is NOT required.

End User: _____
Phone: _____
Aircraft Make & Model: _____
Company Filing Claim: _____
Contact Name: _____
Contact Phone: : _____
Battery or Assembly Part Number: _____
Reason for Rejection: _____

Concorde Battery Corporation reserves the right to contact the End User and/or the Company End User is utilizing for the Warranty Claim.

Attach serial number sticker here to file a warranty claim

Please file your claim through a Concorde Battery Distributor.

Claims supplied directly to Concorde will be returned. You must file your claim within 60 days of battery/assembly part removal from the aircraft.

Distributor: _____
Contact: _____
Debit Memo Ref: _____
Telephone: _____
E-mail: _____

End User Procedure for Warranty Claim

1. Fill in the "End User" portion of the Warranty Claim Card.
2. Remove the serial number from the Battery or Assembly Part and attach it to the Warranty Claim Card.
3. Submit a copy of aircraft Logbook or Part History Log entries accurately reflecting the Battery or Assembly Part's operation time and the installation and removal dates.
Without this information, the Limited Warranty is void.
4. Send Warranty Claim Card and copies of the aircraft Log Book or Part History Log entries to a Distributor stocking a replacement battery.
5. Do not dispose of Battery or Part. A Return Material Authorization (RMA) may be issued to evaluate the claim of premature failure. Please note a returned battery or assembly part meeting the criteria for continued use will be returned and the warranty claim voided. Evaluation time may take up to four weeks from date of receipt at the Concorde factory. A service fee may apply.

Upon receipt of the claim, your authorized Concorde Distributor will complete their portion of this card and e-mail the Warranty Claim Card and Log Book or Part History Log data to Concorde at orderentry@concordebattery.com within ten (10) days.

Concorde will determine whether the Battery or Assembly Part is eligible for credit, and, if so, whether the End-User is entitled to Full Warranty Credit or a Partial Warranty Credit. If applicable, a warranty claim credit memo will be issued to the Distributor with the credit amount. If complete and correct information has been provided, this process should take no longer than one business day Monday through Friday (Excludes holidays and factory shut-down periods). Please note Distributor claims processing time to the end user may vary.

(Limited Warranty Summary on reverse side)

LIMITED WARRANTY SUMMARY

The following is merely a summary. The complete terms and conditions of the Concorde Battery Corporation Limited Warranty for Commercial Aircraft Batteries are published on www.concordebattery.com. In the event of any inconsistency between this Card and the Limited Warranty, the Limited Warranty shall control.

Coverage

If the Battery or Assembly Part fails during normal and customary use, due to defects in materials or workmanship, within 180 days (6 months) or 300 hours, whichever occurs first, from the Date of First Installation then Full Warranty Credit will be processed.

Reciprocating Engine Starting and Standby Applications

If the Battery or Assembly Part fails during normal and customary use, due to defects in the Battery or Assembly Part's materials or workmanship, after the 180th day (6 months) but no later than the 730th day (24 months), from the Date of First Installation, or after the 300th hour but by no later than the 1200th hour of operation, based on the Logbook or Part History Log, whichever occurs first, then Partial Warranty Credit for the Battery or Assembly Part will be processed.

Turbine Engine Starting Applications

If the Battery or Assembly Part fails during normal and customary use, due to defects in the Battery or Assembly Part's materials or workmanship, after the 180th day (6 months) but no later than the 365th day (1 year), from the Date of First Installation, or after the 300th hour but by no later than the 600th hour of operation, based on the Logbook or Part History Log, whichever occurs first, then Partial Warranty Credit for the Battery or Assembly Part will be processed.

Full Warranty Credit

Full Warranty Credit means that Distributor receives full warranty credit for the failed Battery or Assembly Part enabling Distributor to provide End User with full warranty credit, based on Concorde's price sheet in effect at the time End-User removes the Battery or Assembly Part from the aircraft based on the Log Book or Part History Log.

Partial Warranty Credit

Partial Warranty Credit shall be calculated by reducing the Full Warranty Credit by the "Pro-Rata Charge". The "Pro-Rata Charge" will be calculated by determining the percentage of the useful service life of the Battery or Assembly Part used prior to the failure. The Pro-Rata Charge will be based on the number of days since installation or the number of hours of operation, whichever percentage is greater. For example, if warranty is claimed for a reciprocating installation where a battery is installed for 450 days and 550 hours the time frame of 450 days consumes 61.6% of the total days covered (450 days divided by 730 days covered). The hours installed consume 45.8% of the total coverage (550 hours divided by 1200 hours covered is 45.8%). Warranty credit would be based on days as 61.6% is greater and the Full Warranty Credit would be reduced by a Pro-Rata Charge of 61.6%.

Warranty Termination

The Limited Warranty shall terminate if:

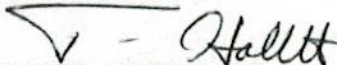
- The Battery or Assembly Part was not purchased new and unused, directly or indirectly, from a Distributor or OEM.
- The claim for warranty credit, including proper documentation, was not received by a Distributor within sixty (60) days from the date of the Battery or Assembly Part's removal.
- The Battery or Assembly Part has been abused, neglected, altered, misused, improperly installed, tampered with, damaged in shipment, over or undercharged, over-discharged or otherwise damaged through the act or neglect of a party other than Concorde.
- The Battery or Assembly Part has not been stored IAW Concorde's published procedures.
- The Battery or Assembly Part was not installed within 730 days (24 months) of the date the Battery or Assembly Part was shipped from Concorde to Distributor or OEM.
- The Battery or Assembly Part was not maintained IAW the most current revision of the applicable Component Maintenance Manual (CMM).
- The End-User does not fully comply with the warranty procedure.
- The Battery or Assembly Part is not available for immediate return to Concorde for evaluation.
- The Battery is a General Aviation type battery, designed to start reciprocating engines, that has been used to start or assist in starting turbine engine applications.

Warranty Exclusions

The warranty covers defects in material and workmanship only. The warranty does not cover installation, removal, administrative costs, rental service or freight charges.

(Limited Warranty Claim Form on reverse side)

Please contact Concorde Battery's
Warranty Administration Dept. with any questions.
Domestically (800) 757-0303 Internationally (626) 813-1234
E-mail - customer-service@concordebattery.com
(Claims from distributors should be emailed to orderentry@concordebattery.com)

1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 24392-21	
4. Organization Name and Address: Concorde Battery Corporation 2009 San Bernardino Rd. West Covina, CA 91790				PAH No.: PQ1174NM & PT1174NM		5. Work Order/Contract/Invoice Number: 33377-01
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
2	Battery	RG24-15M	42	41171428-41171431 41171433,41171435 41171436-41171443 <u>41173718-41173729</u> 41173731,41173733 41173734-41173736 41173738-41173747 -41173749	New	
12. Remarks: This PMA & TSO part is not a critical component. (Cross check eligibility at www.concordebattery.com)						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: 760281446	14b. Authorized Signature:		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Taylor Hollett		13e. Date (dd/mmm/yyyy): 23 JUL 2021	14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):	
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.						
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.						
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

MANDATORY SERVICE BULLETIN

MSB 40-074

MSB D4-094

MSB F4-028

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DA 40, DA 40 D, DA 40 F
Serial numbers: 40.006 through 40.009
40.011 through 40.1071
40.1073 through 40.1077
D4.001 through D4.382
40.DS001 through 40.DS030
40.FC001 through 40.FC029

NOTE Airplanes converted to DA 40 NG via OSB D4-080 are not affected.

I.3 Date of effectivity

10-May-2013

I.4 Time of Compliance

Within the next 2000 hrs since new or since the last Major Structural Inspection from the date of effectivity, but not later than 31-Dec-2022.

I.5 Subject

Reinforcement of aft main spar.

ATA-Code: 57-00

I.6 Reason

By further testing and investigation it was discovered that the fatigue strength of the aft main spar in the cabin area does not ensure unlimited lifetime. This Service Bulletin prescribes the reinforcement of the aft main spar to correct this condition. As an additional benefit the reinforcement is the basis for the Major Structural Inspection interval increase to 6000 hrs since new and every 4000 hrs thereafter.

I.7 Concurrent Documents

None.

Up Coming

Due next annual
or 2000 hrs

AIR TIME AND

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

DATE: 12/9/2021, AIRCRAFT: N3ZZ, TYPE: DA40-180, S/N: 40.823, A/FTT: 1065.6, TACH: 891.4

ANNUAL INSPECTION: PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH DIAMOND DA40-180 MAINTENANCE MANUAL CH. 4&5. REMOVED MAIN AND NOSE WHEEL ASSEMBLIES, INSPECTED, LUBRICATED AND REINSTALLED WHEEL ASSEMBLIES. NO DISCREPANCIES NOTED. COMPLIED WITH ELT 12 MONTH CHECK IAW FAR 91.207 (d) WITH NO DISCREPANCIES NOTED. LUBRICATED AIRFRAME AND SERVICED HYDRAULICS. REMOVED CLEANED INSPECTED AND REINSTALLED AIRCRAFT FUEL STRAINER WITH NOT DISCREPANCIES NOTED. AD'S ARE CURRENT AND UP TO DATE THROUGH THIS DATE.

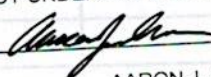
LH PILOTS STEP GRIT PAD MISSING: CLEANED AND INSTALLED NEW LH STEP GRIP PAD P/N 20-5210-03-07.

ELT BATTERIES DUE REPLACEMENT: REMOVED AND REPLACED EXPIRED ELT BATTERIES WITH NEW BATTERIES. NEXT DUE REPLACEMENT ON 12/2023. OPERATIONAL CHECK SATISFACTORY.

ALTERNATE AIR IS STIFF: CLEANED AND LUBRICATED ALTERNATE AIR VLAVE. OPERATIONAL CHECK SATISFACTORY.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

RECORDS ARE ON FILE AT THIS AGENCY UNDER W.O.# SVC21-06660 & 06661.

Signed  for CRS# PZ4R458M
AARON J. ANDREWS



Clark Regional Airport KJVY Sellersburg IN

CARRIED FORWARD