

AIRCRAFT

- | | | |
|----|---------------------------------------|----------------------|
| 1. | Nationality and Registration | <u>N194TS</u> |
| 2. | Manufacturer's Designation | <u>DA 40</u> |
| 3. | Manufacturer's Serial Number | <u>40,972</u> |
| 4. | Type Approval or Specification Number | <u>A-224 / A47CE</u> |
| 5. | Date of Manufacture | <u>2008</u> |
| 6. | Aircraft Inspection Cycle | <u></u> |

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD	0	0	0	0

ENGINEERING RECORD
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED

AIRCRAFT NEW WITH HARTZELL PROPELLER INSTALLED AS PER
STC No. SA02476CH-D, GARMIN G1000 INTEGRATED AVIONICS
INSTALLED AS PER FAA STC. SA01254WI AMEND. 1, GARMIN G1000
AUTOMATIC FLIGHT CONTROL SYSTEM INSTALLED AS PER FAA
SA01389WI, GARMIN UPGRADE OF G1000 AND GFC 700 AFCS
AND OPTIONAL WAAS HARDWARE UPGRADES AS PER FAA STC
SA01444WI-D, POWERFLOW SYSTEMS INC. TUNED EXHAUST
INSTALLED AS PER FAA STC NO. SA03281AT, AMSAFE INFLATAB
RESTRAINT SYSTEM INSTALLED AS PER FAA STC NO. SA01912LA
9900BX TRAFFIC ADVISORY SYSTEM (TAS) INSTALLED AS PER
NO. SA02266NY, GARMIN G1000 SYNTHETIC VISION AND PATHWA
UPGRADE INSTALLED AS PER FAA STC NO. SA01480WI



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



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

SERIAL NUMBER

REGISTRATION MARK

DATE

40.972

N194TS

09 July, 2008

INSPECTOR



07 July 2008 S/N 40.972
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	060	090	121	151
FOR	S	210	240	W	300	330
STEER	181	210	240	269	300	330



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTR

DATE

09 July, 2008

INSPECTOR

JUL 09 2008	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
JUL 09 2008			2	6	
JUL 09 2008			3	0	
JUL 09 2008			4	3	
JUL 10 2008			4	3	AIRCRAFT SERVICEABLE FOR FLIGHT
JUL 10 2008			4	7	
JUL 10 2008			5	2	
JUL 11 2008			5	2	AIRCRAFT SERVICEABLE FOR FLIGHT
JUL 11 2008			5	4	
JUL 11 2008			5	4	ALL DISCREPANCIES RECTIFIED
			5	4	CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

Diamond
I certify that the Static Pressure system has been
inspected and tested in accordance with Standard 571,
Appendix B of the Airworthiness Manual, and F.A.R.
91:411

DATE

09 July, 2008

INSPECTOR

DA
Q 20

Diamond

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

ANNUAL INSPECTION DUE: JULY 2009
BATTERY DUE: SEPT 2010

DATE

09 July, 2008

INSPECTOR

DA
Q 20

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

09 July, 2008

INSPECTOR

DA
Q 20

DA
Q 20

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Q 20

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Q 20

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Q 20

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Q 20

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Q 20

DA
Q 20

DA
Q 20

DA
Q 20

AIR TIME AND

SOUTHWEST FLIGHT CENTER

N194TS

10-09/08

TIS-29.4

Performed 25hr TIS / 50Hr Engine Inspection I/A/W Diamond DA-40 AMM Chapter 5. Drained Oil, Opened, Inspected Oil Filter. No Contaminants Found. Installed 48110-1 Oil Filter, Serviced 8qts AS 100 Mineral Oil. Checked Prop. Torque, Checked engine Mount Bolt Torque.

Sign. *Norman T. Merkel*

Print Norman T. Merkel

Cert. AP383461014

SCOTTSDALE AIRPORT (480-991-2880)

ENGINEERING RECORD
USE BOTH PAGES AND AS MANY LINES AS REQUIRED

ALU-8521LS

Alternator, Rebuilding

RC: F103138

SN: F103138

QTY: 1

Diamond
AIRCRAFT

CHANDLER AIR SERVICE
1675 E. RYAN RD.
CHANDLER, AZ 85249

N194TS MODEL: DA-40

SN: 40.972

9 JAN 09

TACH: 49.3

REMOVED KELLY-AEROSPACE ALTERNATOR, PN ALU8521LS, SN 1061135, FOR INTERNAL GROUNDING OF BATT TERMINAL. INSTALLED REPAIRED KELLY-AEROSPACE ALTERNATOR, PN ALU8521LS, SN F103138, PROVIDED BY DIAMOND AIRCRAFT. OPERATIONAL CHECK COMPLETED. MAINTENANCE COMPLETED IN ACCORDANCE WITH DA-40 SERVICE MANUAL. AIRCRAFT RETURNED TO SERVICE.

Ricky Will
RICKY WILL, A&P 3028383

06-24-09 WO# 19685 SN: 40.972 N194TS DA40 TACH: 86.0
HOBBS: 122.3

Replaced fuel pump assembly with PN: D41-2823-10-00-WIP, SN: 9718.
Functional run and leak check good.

A&P 1912119

Arizona Air-Craftsman

Ronald P. Weaver
Ronald P. Weaver

CARRIED FORWARD

ENGINEERING RECORD

3

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

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



Date 6/29/09 P/N DA-40 S/N 40.972 N Number 194TS
Tach 88.8 Hobbs 126.4 TTSN 126.4 TTSMOH 88.8
☐ 100 Hr ☐ Annual ☐ Repair ☒ Other ☐ Component Change

AIRFRAME

Removed and replaced (2) circuit breaker jumper wires P/N DA4-3144-60-03 on alternator circuit breakers. Ops check satisfactory.

END

Frank Worden
A&P# 3140872



Date 7/8/09 P/N DA-40 S/N 40.972 N Number 194TS
Tach 92.0 Hobbs 130.8 TTSN TTSMOH
☐ 100 Hr ☐ Annual ☒ Repair ☐ Other

AIRFRAME

Repaired crack in nose wheel fairing using all available applicable data.

END

Scott Merrill
A&P# 2766362IA

AIR TIME AND

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



Date 7-31-2009 HOBBS 144.1 S/N 40.972 N Number 194TS
 Tach 104.2 TT TTSN TTSMOH
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other

AIRFRAME

Performed a 100 Hour/ Annual Inspection per Diamond Maintenance Manual AMM 60201. Made minor repair to Nose Wheel fairing. Replaced exhaust tailpipe hanger. Repacked all wheel bearings. C/W AD2009-10-04, not applicable per part number installed. All ADs C/W up through bi-weekly 2009-15. I certify this airframe has been inspected I/A/W Diamond 100 hour checklist and found to be in an airworthy condition at this time.

END

Frank Worden
 Frank Worden
 A&P #3140872

ANNUAL INSPECTION

C/W FAR 91.207 c battery date 03/2012. C/W FAR 91.207 d next due 07/2010. I certify that this aircraft was inspected I/A/W annual inspection as per Diamond service manual and found to be in an airworthy condition at this time. ADs checked through 2009-15.

END

Scott Merrill
 Scott Merrill
 A&P# 2766362IA



Date 8/4/09 P/N DA-40 S/N 40.972 N Number 194TS
 Tach Hobbs 145.5 TTSN TTSMOH

☐ 100 Hr ☐ Annual ☐ Repair ☒ Other Component Adjustment

AIRFRAME

Performed Nose Gear Caster Friction Check. Adjusted friction to 11.00lbs. left and right. Ground run and taxi operations satisfactory. I certify that this aircraft is approved for return to service.

END

Frank E. Worden
 Frank E. Worden
 A&P# 3140872

CARRIED FORWARD

ENGINEERING RECORD

4

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

**AIR SPEED
AVIATION**

Aircraft Maintenance & Repair

Date 9/10/09 P/N DA-40 S/N 40.972 N Number 194TS
Tach 163.5 Hobbs 163.5 TTSN TTSMOH
☐ 100 Hr ☐ Annual ☒ Repair ☐ Other

AIRFRAME

Removed nose gear wheel fairing. Repaired cracks, repainted and installed.

Scott Merrill

A&P# 27663621A

**AIR SPEED
AVIATION**

Aircraft Maintenance & Repair

Date 7/16/10 P/N DA-40 S/N 40.972 N Number 194TS
Tach 163.6 Hobbs 219.9 TT TT TTSN TT
☐ 100 Hr ☐ Annual ☐ Repair ☐ Other

AIRFRAME

Performed 100 hour inspection per Diamond maintenance manual AMM60201. R&R main gear tires w/ new P/N 156E61-3 Goodyear Flight Special II 15X6.00-6. R&R brake caliper linings w/ new P/N 066-14100. C/W AD 2009-07-14 N/A by S/N. No further action required. C/W AD2009-10-04 N/A by NLG leg P/N installed. No further action required. C/W FAR 91.207c battery date 03/2012. C/W FAR91.207d next due at 07/2011. All ADs C/W up through bi-weekly. I certify this airframe has been inspected I/A/W an ANNUAL inspection checklist and found to be in an airworthy condition at this time.

Scott Merrill

A&P# 27663621A

Mesquite Avionics LLC

1725 E. Ryan #8

Chandler, AZ

85249

CRS# Q5KR301B

Reg.#	A/C Make	Model	S/N	Tach
N194TS	Diamond	DA-40	40.972	164.3

I certify that the altimeter and static system tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by FAR 91.413, have been performed and found to comply with 14 CFR part 43, appendix E&F.

System Tested to 20,000 feet

Date 07/20/2010

Work performed by B. Klump

Inspected by [Signature]

Work Order #

607

AIR TIME AND

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



Date 8/16/2011 P/N DA-40 S/N 40.972 N Number 194TS
 TIS 265.7 Hobbs 340.5 TTSN TTSMOH
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other AIRFRAME

Performed 100 hour inspection per Diamond maintenance manual AMM60201. Flap up indicator INOP. R&R flap indicator bulb w/new. C/W AD 2010-25-01 N/A by S/N. Emergency open doors procedure revised in AAFM. No further action required. C/W FAR 91.207c battery date 03/2012. C/W FAR 91.207d next due 9/1/2012. I certify this airframe has been inspected I/A/W an annual inspection found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END

[Signature]
 Scott Merrill
 A&P# 2766362IA

Date: April 6, 2012

Reg: N194TS S/N: 40.972 TACH: 302.4

Removed ELT battery and replaced with new battery, Artex P/N 455-0012. ELT operation verified by test. ELT Battery date March 2018.

[Signature]
 John Martincic / Owner / P/P Certificate # 3248360

DATE:	10-Jul-12	FALCON EXECUTIVE AVIATION, INC.	SVC-	3902
REG NO.:	N194TS	4766 E. FALCON DR.	TACH:	N/A
MODEL:	DA 40	MESA, ARIZONA 85215	HOBBS	399.5
SERNO:	40.972	FAA APPROVED REPAIR STATION NO. X0FR185J	XPDR:	GTX33
			CEILING:	20,000

I certify that the ADC altimeter, standby altimeter and static system tests required by 14 CFR 91.411 have been performed, this date, and that the ADC altimeter, standby altimeter and static system meets the requirements of Appendix E of 14 CFR Part 43. The ADC altimeter and standby altimeter were tested to 20,000 feet.

I certify that the transponder tests required by 14 CFR 91.413 have been performed, this date, and that the Mode S transponder meets the requirements of Appendix F of 14 CFR Part 43.

Transponder Serial No.: 89106960

The work identified above was performed in accordance with current Federal Aviation Regulations and found to be airworthy for return to service.

AUTHORIZED SIGNATURE: *[Signature]* CRSX0FR185J

Pertinent details of work accomplished on this aircraft are on file at this agency under the work order number above.

CARRIED FORWARD

ENGINEERING RECORD

5

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

SIGNATURE

LICENCE
NUMBER

DATE: 10-Jul-12
REG NO.: N194TS
MODEL: DA 40
SERNO: 40.972

FALCON EXECUTIVE AVIATION, INC.
4766 E. FALCON DR.
MESA, ARIZONA 85215
FAA APPROVED REPAIR STATION NO. X0FR185J

SVC- 3904
TACH: 312.8
HOBBS: 399.5

Removed GA35 GPS/WAAS Antenna P/N 013-00235-00, S/N 37019 and replaced with new P/N 013-00235-00, S/N 57792.
Performed ground operational checks and found satisfactory.

The work identified above was performed in accordance with current Federal Aviation Regulations and found to be
airworthy for return to service.

AUTHORIZED SIGNATURE: Danny Pinson CRSX0FR185J

Pertinent details of work accomplished on this aircraft are on file at this agency under the work order number above.



Date 9/17/2012 P/N DA-40 S/N 40.972 N Number 194TS
TIS 314.6 Hobbs 402.4 TTSN 314.6 TTSMOH
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other
AIRFRAME

Performed 100 hour inspection per Diamond maintenance manual AMM60201. C/W AD 2011-21-10, parts not installed. No further action required. C/W FAR 91.207c battery date 03/2018. C/W FAR 91.207d next due 10/1/2012. I certify this airframe has been inspected I/A/W an annual inspection found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END
Scott Merrill
A&P# 2766362IA



Date 4/23/14 P/N DA-40 S/N 40.972 Tail Number 194TS
TIS 339.1 Hobbs 437.5 TTSN 339.1 TTSMOH
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other
AIRFRAME

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. R&R aircraft battery with new P/N: RG24-15M S/N: 40645384. C/W FAR 91.207(c) battery date 3/2018. C/W FAR 91.207(d) next due 4/2015. I certify this airframe has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END
Scott Merrill
A&P#2766362IA

AIR TIME AND

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.

BROUGHT FORWARD

Mesquite Avionics LLC
1725 E. Ryan #8
Chandler, AZ 85249
CRS# Q5KR301B

Reg.#	A/C Make	Model	S/N	Tach/hobb
N194TS	Diamond	DA40	40-972	422.7

I certify that the altimeter and static system tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by FAR 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F.

System Tested to 26,000 feet
Date 08/05/14

Work performed by B. Chaff
Inspected by B. Chaff

Work Order # 21511

Mesquite Avionics LLC
1725 E. Ryan #8
Chandler, AZ 85249
CRS# Q5KR301B

Reg.#	A/C Make	Model	S/N	Tach/hobbb
N 194TS	Diamond	DA40	40.972	422.7

I certify that the altimeter and static system tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by FAR 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F.

Tested to 24,000 feet

System Tested to 20,000 feet
Date 08/05/14

Work performed by B. Chaff

Inspected by B. Chait

Work Order # 271511

WINDSPEED VARIATION

- Date 4/17/15 P/N DA-40 S/N 40.792 Tail Number 194TS
 - Tach Hobbs 433.0 TTSN TTSMOH
 - ☐ 100 Hr ☐ Annual XRepair ☐ Other
AIRFRAME

- Re-sealed right brake caliper with p/n MS28775-224. Serviced master cylinder w/5606. Bled brake system. Operational check satisfactory.
- END

-END

Scott Merrill

A&P#2766362IA

**AIRSPEED
AVIATION**

Date 5/09/15 P/N DA-40 S/N 40.972 Tail Number 194TS
TIS 339.1 Hobbs 437.5 TTSN 339.1 TTSMOH _____
☐ 100 Hr XAnnual ☐ Repair ☐ Other _____

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. C/W FAR 91.207(c) battery date 3/2018. C/W FAR 91.207(d) next due 5/2016. I certify this airframe has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly.

-END

Scott Merrill

A&P#27663621A



Date 8/19/16 P/N DA-40 S/N 40.972 Tail Number 194TS
 TIS 348.1 Hobbs 450.4 TTSN 348.1 TTSMOH _____
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other _____
AIRFRAME

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. R&R aircraft battery with new P/N: RG24-15M S/N: 40792452. R&R left and right main tires and tubes with new P/N's 06-07340 & 06-05300. C/W FAR 91.207(c) battery date 3/2018. C/W FAR 91.207(d) next due 8/2017. I certify this airframe has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END

Scott Merrill
 Scott Merrill
 A&P#27663621A

Mesquite Avionics LLC
 1725 E. Ryan #8
 Chandler, AZ 85249
 CRS# Q5KR301B

Reg.#	A/C Make	Model	S/N	Tach/hobb
N 194TS	Diamond	DA40	40972	1456

I certify that the altimeter and static system tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by FAR 91.413, have been performed and found to comply with 14 CFR part 43, appendixes E & F.

System Tested to 30,000 feet

Date 09/10/16

Work performed by *B. Oles*

Inspected by *B. Oles*

Work Order #

1901

Date 9/19/17 P/N DA-40 S/N 40.972 Tail Number 194TS
TIS 378.6 Hobbs 492.1 TTSN 378.6 TTSMOH _____
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other
AIRFRAME

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. Serviced aircraft tires. Serviced brake reservoir. Cleaned induction air filter. C/W FAR 91.207(c) battery date 3/2018. C/W FAR 91.207(d) next due 9/2018. I certify this aircraft has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly, 2017-17

END

Scott Merrill
A&P#2766362IA

Date: March 28, 2018

Reg: N194TS S/N: 40.972 Tach: 388.8 Hobbs: 506.5

R&R ELT battery with new Artex kit 452-0012. Battery: P/N 452-6499, S/N 376857-032, battery date 04/2025. R&R ELT Remote Switch battery with new P/N 131-0001, next due 03/2023. ELT operation verified by test. R&R Emergency Battery Pack with new P/N D60-2560-91-00, S/N 17-227-27, battery date 05/2027.

John Martincic / Owner / P/P Certificate #3248360

Date 11/10/18 P/N DA-40 S/N 40.972 Tail Number 194TS
TIS 393.0 Hobbs 512.8 TTSN 393.0 TTSMOH _____
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other
AIRFRAME

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. Serviced aircraft tires. Serviced brake reservoir. Cleaned induction air filter. C/W FAR 91.207(c) battery date 4/2025. C/W FAR 91.207(d) next due 11/2019. I certify this aircraft has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END

Scott Merrill

ENGINEERING RECORD

7

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

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

Flite Instruments and Avionics
2310 S. Airport Blvd Ste 11
Chandler AZ 85286

CS # 6FIR926C

480-516-0308

Reg.#	A/C Make	Model	S/N	Tach/hobb
N194TS	Diamond	DA 40	40972	400

I certify that the Static and transponder tests, including data correspondence, required by § 91.411 & 413, have been performed and found to comply with 14 CFR part 43, Appendix E & F. Altitude 26,000 ft

Date 09/12/19 Work performed by [Signature] Inspected by [Signature] Work Order # 1436

DATE:	9/12/2019	FALCON EXECUTIVE AVIATION, INC.	W.O. NO.:	SVC-9651
REG NO.:	N194TS	4766 E. FALCON DR.	TACH:	411.9
MODEL:	DA 40	MESA, ARIZONA 85215	HOBBS	538.6
SER NO.:	40.972	FAA APPROVED REPAIR STATION NO. X0FR185J	XPDR:	GTX345R

AVIONICS LOG ENTRY

I certify that the transponder tests required by FAR 91.413 have been performed, this date, and that the Mode S Transponder meets the requirements of Appendix F of FAR Part 43 and paragraph (c), Appendix E.

Transponder Serial No. 3EH421267

AUTHORIZED SIGNATURE: [Signature] CRSX0FR185J

Pertinent details of work accomplished on this aircraft are on file at this agency under the work order number above.



LEMAC AVIATION, LLC
4550 EAST MCKELLIPS ROAD, SUITE 101
MESA, ARIZONA 85215

SERVICE #: 2212
DATE: 9/13/19
REGISTRATION: N194TS

MAKE: Diamond
MODEL: DA 40
SERIAL: 40.972

HOBBS: 538.6

AIRFRAME LOG

- Removed Garmin GTX 33 transponder and associated wiring.
- Installed Garmin GTX 345R Transponder PN: 010-01217-43 IAW STC SA01714W1 using Garmin Installation Manual 190-00734-10 Rev. 12 Dated February 28, 2018 and FAA AC 43.13-1B/2B
- Perform Software update to G1000 from version 0321.22 to version 0321.23 IAW Garmin SB 1334
- Remove Garmin GA 55 XM antenna and install new GA 37 GPS WAAS/ XM antenna and install RG 400 to Transponder
- Verify Transponder Comply with 14 CFR 91.413

MATTHEW LAYTON 3629537 A

[Signature]

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



Date 01/31/20 P/N DA-40 S/N 40.972 Tail Number 194TS
 TIS 413.2 Hobbs 541.3 TTSN 413.2 TTSMOH
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other

AIRFRAME

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. Serviced aircraft tires. Serviced brake reservoir. Cleaned induction air filter. C/W FAR 91.207(c) battery date 4/2025. C/W FAR 91.207(d) next due 1/2021. I certify this aircraft has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END

Scott Merrill
A&P#27663621A



Date 03/15/2021 P/N DA-40 S/N 40.972 Tail Number 194TS
 TIS 429.7 Hobbs 564.1 TTSN 429.7 TTSMOH
☐ 100 Hr ☒ Annual ☐ Repair ☐ Other

AIRFRAME

Performed 100 hour inspection as per Diamond maintenance manual, AMM60201. Serviced aircraft tires. Serviced brake reservoir. Cleaned induction air filter. C/W **AD 2020-14-06 as per** Diamond Aircraft Industries MSB 40NG-064 Rev. 2. N/A by S/N, no further action required. C/W FAR 91.207(c) battery date 4/2025. C/W FAR 91.207(d) next due 03/2022. I certify this aircraft has been inspected I/A/W an annual inspection and found to be in an airworthy condition at this time. ADs checked through bi-weekly.

END

Scott Merrill
A&P#27663621A

Flite Instruments and Avionics
2310 S Airport Blvd. Ste 11
Chandler, AZ 85286

CS# 6FIR926C

480-516-0308

Reg #	A/C Make	Model	S/N	Tach/Hobb
194TS	Diamond	DA40	40.972	563

I certify that the Static and transponder tests, including data correspondence required by § 91.411 & 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F.

Work performed by:

Inspected by:

Altitude:

Date:

Work Order#

29,000 ft
04/19/2021
2444

ENGINEERING RECORD

8

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

Date: February 16, 2022

Reg: N194TS

S/N: 40.972 Tach: 440.2 Hobbs: 578.0

R&R aircraft battery with new: P/N RG24-15M, S/N 41189885. Removed starboard side "wing walk" decal and replaced with 3M P/N 7647NA.

John Martincic / Owner / P/P Certificate #3248360

AIRFRAME LOG

Date: 4/20/2022
Reg: N194TS
Make: Diamond
Hobbs: 596.9

STEEL AVIATION

S/N: 40.972
Model: DA40XLS
Tach: 455.6

AIRFRAME LOG

Date: 6/21/2022
Reg: N194TS
Make: Diamond
Hobbs: 660.8

STEEL AVIATION

S/N: 40.972
Model: DA40XLS
Tach: 503.4

- 1.C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D using aircraft manufactures AMM as a guide.
2. C/W ELT inspection IAW FAR 91.207(D). no Defects noted. Next inspection due 04/2023. NEXT REPLACEMENT DUE 4/2025.
3. Removed STC'd SA01918LA EMA controller P/N508358-421, & pilot / co-pilot inflators p/n508792-401.
- 4.C/W C/A/I for STC SA01389WI.
- 5.C/W 20000hour / 12 year MSI, I/A/W Daimond AMM DOC#6.02.01.Next due TT2455.6 or 04/2034.

I certify that this AIRFRAME has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P3303419I/A Jeff Pleiman
Signed

1.R&R RH /LH MLG tires and tubes.
156E66-4

A/P3303419I/A Jeff Pleiman
Signed

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TIME AND

AIRFRAME LOG



Date: 8/1/2022
Reg: N194TS
Make: Diamond
Hobbs: 726.2

S/N: 40 972
Model: DA40XLS
Tach: 555.9

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED

1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D using aircraft manufactures AMM as a guide.
2. C/W ELT inspection IAW FAR 91.207(D). no Defects noted. Next inspection due 06/2023. NEXT REPLACEMENT DUE 4/2025.
- 1 R&R BACKUP BATTERY P/N DA4-2560-91-00 S/N 2EXL1241 EXP DATE 8/2031
- 2 R&R EMA controller P/N 508358-421S/N RA28DEC21-8 EXP DATE 08/2026.
- 3 R&R SEAT BELT INFLATORS Pilot P/N512847-401 S/N 27EH04D0784 DATE A05-22. CO-pilot P/N 512847-401 S/N 27DH04D0S11 A05-22.
- 4 R&R LH 7RH brake linings P/N 066-14100.
5. C/W OSB40-072 Installation of a reinforced nose wheel fork, Installed NLG wheel fork assy P/ND4403223039099-02, LN94-20020, DIN985-M12-A2, DIN20 93A-25X12.2X1.5 C/W AD 22-13-06.

I certify that this AIRFRAME has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P3303419/A Jeff Pleiman
Signed

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Airframe - page 1 of 1

wo: WO_117



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

November 03, 2022

N194TS

HOBBS: 596.7

TACH: 455.6

Replaced R/H strobe light assy. with new. Replaced R/H power supply with used, serviceable part. Ops checked good. Installed P/N 36-0050626-03 - Flash Tube, Assy, A600 Series Strobe, Installed P/N 01-0770062-05 - Whelen power supply, strobe. s/n 07384.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation, Inc. under work order: WO_117.

Jeff Pleiman A/P I/A 3304319

wo: WO_168

Airframe - page 1 of 1



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

N194TS

HOBBS: 847.1

Diamond, DA40, S/N: 40.972

TACH: 646.8

January 27, 2023

R&R nose tire and tube with new. Installed P/N 505C61-8 - 5.00-5 6ply Tire, Installed P/N 097-908-0 - 5.00-5 TUBE.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_168.

Jeff Pleiman A/P I/A 3304319

Altimeter Scale Correction Card

Altimeter P/N:

5934PD-3A.130

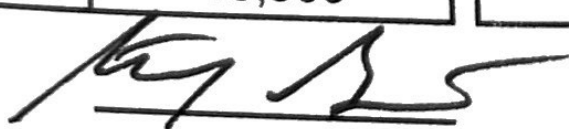
Serial Number:

465088

REFERENCE ALTITUDE IN FT	ALTIMETER READS
-1,000	-1,010
0	0
500	500
1,000	1,010
1,500	1,510
2,000	2,010
3,000	3,020
4,000	4,020
5,000	5,020
6,000	6,010
8,000	7,995
10,000	9,980
12,000	11,960
14,000	13,960
15,000	14,960
16,000	15,960

REFERENCE ALTITUDE IN FT	ALTIMETER READS
18,000	17,980
20,000	20,005

Tested By:



Date:

9/20/2023

ENGINEERING RECORD

9

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

SIGNATURE

LICENCE
NUMBER

wo WO_180

Airframe - page 1 of 1



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

Diamond, DA40-180, S/N: 40.972

February 15, 2023

N194TS
HOBBS: 856.8

TACH: 654.7

1. C/W 100 hour inspection in accordance with FAR 43 Appendix D using DIAMOND AMM as a guide.
2. C/W ELT inspection IAW FAR 91.207(D). Next due: 2/2024 Battery due: 4/2025.

3. Check AD'S through biweekly 2023-04, no new AD's. Recurring AD 15-19-07 c/w by visual inspection next due @ 764.7 TACH or maintenance when fuel lines are disconnect, engine overhaul and every 110 hours after.
4. No new applicable Diamond mandatory service bulletins and Lycoming service bulletins to date.

I certify that this AIRFRAME has been inspected in accordance with a (100 hour) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_180.

Jeff Pleiman A/P I/A 3304319

Airframe - page 1 of 1

wo: WO_277



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

DIAMOND, DA 40, S/N: 40.972

June 16, 2023

N194TS
HOBBS: 919.6

TACH: 704.5

Removed and replaced R/H wing tip light assy. with serviceable part. Ops checked good.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_277.

Brad Helman A&P 3939968

wo: LUK145-23171

Airframe - page 1 of 1



Airtech of Ohio, LLC - 4765 Airport Rd - CINCINNATI, Ohio 45226 - CRS#: 5A8R960B

N194TS
HOBBS: 898.0

DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.972

June 02, 2023

Complied with 24-Month 91.411 and 91.413 IFR certification to 18,000ft in accordance with FAR 43 Appendix E and F. No discrepancies noted.

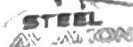
With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-23171.

Craig Harbeson CRS# 5A8R960B

Out of
order

DATE

WD W



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

Airframe Annual · page 1 of 1

N194TS

HOBBS: 954.4

DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.972

TACH: 731.8

September 26, 2023

1. C/W Annual Inspection I/A/W DIAMOND AMM 05-20-00.
2. C/W ELT Inspection IAW FAR 91.207(D). Next due: 9/2024.
3. ELT battery next due: 4/2025.
4. Checked all AD's for compliance through Bi-Weekly 2023-20.
5. Removed MFD and sent to Garmin for repair (p/n 011-01078-01 s/n 86960430). Installed same MFD after repair by Garmin see 8130 number 173418526.
6. Removed standby altimeter Model: 5934PD-3 S/N 465088 and sent to MidContinent for overhaul. Installed same altimeter (s/n 465088) after overhaul.
7. Replaced ELT remote battery with new. Next due 3/2026 Installed P/N 28L - ELT REMOTE BATTERY DURA-CELL.

I certify that this AIRFRAME has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_313.

Jeff Pleiman A/P I/A 3304319

wo: WO_339



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

Airframe · page 1 of 1

N194TS

HOBBS: 954.6

Diamond, DA40-180, S/N: 40.972

TACH: 731.8

September 27, 2023

Removed Strobe power supply and installed serviceable Whelen power supply (p/n 01-0770062-05 s/n 07610). Ops checked strobe lights good.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_339.

Jeff Pleiman A/P I/A 3304319

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Airframe Annual page 1 of 1

WO WO_410



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

DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.972
TACH: 824.1

February 03, 2024

N194TS
HOBBS: 1071.2

1. C/W Annual Inspection in accordance with FAR 43 Appendix D using - Diamond DA 40 AMM Section 05-28-50 as a guide.

2. C/W ELT Inspection IAW FAR 91.207(D).

3. ELT Battery Due: 4/2025.

4. Airworthiness Directives: Checked through Bi-Weekly date 2024-02. AD 14-13-08 and 15-19-07 complied with at this inspection.

5. Installed : Installed P/N SL4 - Reiff Pre Heater, DA 40.

6. INSTALLED: Installed (2) P/N 010-0544-21 - GSB 15 USB CHARGER PORT.

7. R&R GPS 1&2 ANTENNAS: Installed (2) P/N GA 35 - GA 35.

8. INSTALLED: Installed (2) P/N 156E66-4 - 15.00x6.0-6 6PLY tube tire, 160 mph.

9. C/W AD 14-13-08 PER MSB 40-074, MSB D4-094, MSB F4-028. AND WORK INSTRUCTIONS WI-MSB 40-074.

I certify that this AIRFRAME has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_410.

Jeff Pleiman A/P I/A 3304319

wo: WO_495



Airframe 100 hour · page 1 of 1

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

N194TS
HOBBS: 1189.5

TACH: 919.2

May 15, 2024

1. C/W 100 hour Inspection in accordance with FAR 43 Appendix D using DIAMOND AMM as a guide.

2. C/W ELT Inspection IAW FAR 91.207(D). Next due: 5/2025 Battery due: 4/2025.

3. Check AD'S through biweekly 2024-09 Recurring AD 15-19-07.

4. No new applicable Diamond DA40 mandatory service bulletins to date.

5. C/W AD 15/19/07 by inspection. NDN at this time. Due in 110 hours or unless maintenance on system is done.

6. R/R LF/RH brake linings with new. Installed (4) P/N 066-14100 - Brake Lining, SR20/ DA 40 XLS, Organic, Single Piece.

I certify that this AIRFRAME has been inspected in accordance with an (100 hour) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_495.

Jeff Pleiman A/P I/A 3304319

wo: WO_522



Airframe · page 1 of 1

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

N194TS
HOBBS: 1252.2Diamond, DA40, S/N: 40.972
TACH: 967.2

July 08, 2024

R&R L/H Strobe tube assembly with new. Installed P/N A610 - Tube Assy, Strobe.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_522.

Jeff Pleiman A/P I/A 3304319

AIR TIME AND

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

wo: WO_538

STEEL AVIATION

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

DIAMOND, DA 40, S/N: 40.972

TACH: 979.8

N194TS
HOBBS: 1268.0

Removed and replaced passenger door latch compression gas spring with new. Installed P/N D41-5211-60-91.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_538.

Jeff Pleiman A/P I/A 3304319

July 25, 2024

Airframe · page 1 of 1

wo: WO_569

STEEL AVIATION

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

Diamond, DA40, S/N: 40.972

TACH: 1018.6

N194TS
HOBBS: 1268.0

September 30, 2024

1. C/W 100 hour Inspection in accordance with FAR 43 Appendix D using DIAMOND AMM as a guide.
2. C/W ELT Inspection IAW FAR 91.207(D). Next due: 5/2025 Battery due: 4/2025.
3. Check AD'S through Biweekly 2024-19 Recurring AD 15-19-07 C/W at this time due again in 110 hours.
4. Checked Service Bulletins for new up to this date.
5. C/W 1000 hr bonding system static discharge inspection IAW Diamond AMM ch. 51-80.
6. C/W 1000 hour essential bus inspection.
7. C/W 1000 hr Diamond inspection IAW CH. 05-28-00.
8. R/R emergency battery pack W/ new Installed P/N D41-2560-93-00 - Emergency battery.
9. C/W AD 15/19/07 by inspection. NDN at this time. Due in 110 hours or unless maintenance on system is done.
10. MSB-40-086 REV. 3 N/A by S/N of aircraft.
11. R/R LF main tire W/ new. Installed P/N 156E66-4 - 15.00x6.0-6 6PLY tube tire, 160 mph.
12. R/R RH main tire w/ new Installed P/N 156E66-4 - 15.00x6.0-6 6PLY tube tire, 160 mph.
13. R/R LF main tire inner tube W/ new Installed P/N 097-500-0 - Tube, Mich. Air Stop 15X6.0-6 MLG.

I certify that this AIRFRAME has been inspected in accordance with an (100 hour) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_569.

Jeff Pleiman A/P I/A 3304319

Airframe 100 hour · page 1 of 1

wo: WO_615

STEEL AVIATION

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

Diamond, DA40, S/N: 40.972

TACH: 1053.5

N194TS
HOBBS: 1363.1

November 08, 2024

R&R LH MLG Tire with new. Serviced IAW POH Installed P/N 156E66-4 - 15.00x6.0-6 6PLY tube tire, 160 mph.

With respect to the work performed, this Airframe is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_615.

Jeff Pleiman A/P I/A 3304319

Airframe · page 1 of 1