

# AIRCRAFT TECHNICAL LOGS

## Section 1. AIRFRAME

The subject aircraft was involved in an incident / accident on **10/16/2025** rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: **3310547310US**.

Signed: ***Underwriters Salvage Company***

Date: **11/17/2025**

AIG Aerospace Adjustment Services Inc  
3500 Lenox Road, Suite 1100  
Atlanta, GA 30326



# AIR TIME AND

## Advanced Aircraft Maintenance

### Aircraft Record of Maintenance

DATE: 10/15/2025	ACFT MODEL: <b>Diamond</b> DA40	ACFT NH: <b>N544DS</b>	ACFT S/N: <b>40044</b>	BASE: FWQ	MAINTENANCE INSERT
AIRCRAFT		ENGINE:		S/N: L-21109-51E	PROPELLER: MTV 12 S/N: 201751
TOTAL TIME		TOTAL TIME		TOTAL TIME	
<b>2743.5</b>		3866.6		SMOH: 583.1	544.5 SMOH: 371.7

#### Post maintenance:

Aircraft was operational ground ran. All systems found satisfactory. Aircraft was flown for systems and performance testing. All found satisfactory.

This aircraft has been approved for return to service By Advanced aircraft maintenance CRS 3KJR540C for the work performed. Pertinent details of the work performed are on file at this Repair Station under Work Order #: N544DS-1626

Signature:  Date: 10/15/2025

Robert Monahan  
Certificated Repair Station # CRS 3KJR540C



# ENGINEERING RECORD

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## Advanced Aircraft Maintenance

### Aircraft Record of Maintenance

DATE: 10/15/2025	ACFT MODEL: <b>Diamond</b> DA40	ACFT NH: <b>N544DS</b>	ACFT S/N: <b>40044</b>	BASE: FWQ	MAINTENANCE INSERT
AIRCRAFT	ENGINE:	S/N: L-21109-51E	PROPELLER: MTV 12	S/N: 201751	
TOTAL TIME	TOTAL TIME	SMOH: 583.1	TOTAL TIME	SMOH: 371.7	
2743.5	3866.6		544.5		

Accomplished the following at this time and date:

- All known airframe ADs have been reviewed.
- See AD list Dated 10/15/2025 for additional information.
- Accomplished FAR 91.207 {D} Replaced batteries .Next due **8/20/2027**.
- Replaced ELT remote battery. Next due **8/20/2030**.
- Accomplished 2 yr emergency battery replacement. Next due **8/20/2027**.

#### Inspections:

- Airframe Annual inspection IAW Diamond DA40 check list. 1000hr/2000hr Chapters 04 and 05.

#### Maintenance:

- Accomplished Main battery replacement. [1] each PN RG-24-15M.
- Replaced flood light with [1] each Superior technology LED light assembly .PN 5PTPWMLEDWWS.
- Replaced standby compass with [1] each PN NV2C-2400-28v.
- Replaced inclinometer. [1] each PN 444-0010-01.
- Replaced flap indicator light bulbs [1] each PN 430552.
- Replaced L/H wing aileron control rod bearings [3] each PN DS-RG3.
- Replaced Elevator control rod rollers. [3] each PN DS-RG3.
- Replaced fuel tank hoses L/H and R/H stub wing. [[2] each PN A22303-01.
- Replaced rear canopy retaining block. [1] each PN DA4-52-00-00-69-02.
- Replaced passenger door seal. [1] each PN 491-7.

## Advanced Aircraft Maintenance

### Aircraft Record of Maintenance

DATE: 10/15/2025	ACFT MODEL: <b>Diamond</b> DA40	ACFT NH: <b>N544DS</b>	ACFT S/N: <b>40044</b>	BASE: FWQ	MAINTENANCE INSERT
AIRCRAFT	ENGINE:	S/N: L-21109-51E	PROPELLER: MTV 12	S/N: 201751	
TOTAL TIME	TOTAL TIME	SMOH: 583.1	TOTAL TIME	SMOH: 371.7	
2743.5	3866.6		544.5		

#### Continued:

- Replaced L/H and R/H brake rotors. [2] each PN RA164-24400.
- Replaced L/H brake linings. [2] each PN RA066-14100.
- Replaced nose wheel bearings [2] each PN 08231-2-0629 ,races [2] each PN 08125-20629. Felt seals [2] each PN 154-00600.
- Replaced clock battery. [1] each PN AAA AT420100.

#### Replaced the following time-controlled items:

- 12 year replacement of the Safety harness front and rear. Next due **7/2037**.
- 12 year replacement for cabin fire extinguisher. Next due **8/2037**.
- 8 year replacement for the fuel vent and interconnecting hoses. Next due **8/20/2033**.
- 5 year replacement for the rudder cables. [1] each kit CSKIT-07. Next due **8/20/2030**.
- 2 year ABS-B calibration, Accomplished by Quality aviation instruments. Next Due. **5/2/2027**

#### Modifications:

- Replaced all interior cabin upholstery and carpeting. Fabrication accomplished by Bahama Upholstry Miami beach FL. Note enclosed C of C dated 7/30/2024 and 10/31/2024. for flammability testing.
- Customer request installation of a JPI engine analyzer EDM-930. PN 790000-L. See flight manual for STC SA01435SE information.
- Customer request exterior paint refinishing. Aircraft was prepped for painting in a disassembled state. Mechanically sanded required areas and applied a primer sealer. Applied the topcoat of paint "Snow White" AF403 and "Clear" finish AF740. Graphics were custom produced by Advanced aircraft maintenance using 3M aviation grade vinyl.



# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

Make: DIAMOND AIRCRAFT COMPANY  
Model: DA40  
Serial No.: 40044  
AFTT: 2743.5  
LDGS: N/A



Reg. No.: N544DS  
Date: SEPT. 10, 2025  
Page: 1 of 1  
Work Order: 71577

## Description of Work Accomplished

- 1.) Troubleshoot aircraft and verified bad Garmin GTX 327 Transponder. Removed bad Garmin GTX 327 Transponder P/N 011-00490-00 S/N 83703664. Replaced with Garmin GTX 327 Transponder P/N 011-00490-00 S/N 83745539. Ground Ops Checks O.K. IAW Garmin GTX 327 Transponder Installation Manual # 190-00187-02 Rev. 5.
- 2.) Performed Transponder Tests required by FAR 91.413 IAW Appendix F of Part 43.

The article(s) identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Authorized Signature:

John Bitz, Inspector

FAA Certificated Repair Station PR1R838D

Allegheny Airport Hangar 22 West Mifflin, PA 15122 Phone 412-469-8400

Make: DIAMOND AIRCRAFT COMPANY  
Model: DA40  
Serial No.: 40044  
AFTT: 2743.5  
LDGS: N/A



Reg. No.: N544DS  
Date: MAY. 2, 2025  
Page: 1 of 1  
Work Order: 71467

## Description of Work Accomplished

- 1.) Performed mandatory software update on Uavionix Tailbeacon from V 1.4 to 1.51 IAW Uavionix Tailbeacon STC Service Bulletin UAV-1003174-002 Rev. 8. \*\*\*Ground Ops check OK\*\*\*

The article(s) identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Authorized Signature:

John Bitz, Inspector

FAA Certificated Repair Station PR1R838D

Allegheny Airport Hangar 22 West Mifflin, PA 15122 Phone 412-469-8400

# 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.	
3/9/23					Removed Interior for inspection of flap and aileron control system. Repaired bonding straps. Resealed boots and inspected micro switches no faults found. Reinstalled interior IAW Diamond MM Bryan Patrick AP4736086
3/16/23					Installed new pedal return spring on R/H pilot rudder pedal IAW Diamond MM Bryan Patrick AP4736086



DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
REG: N544DS DATE: 12/2/2022 TACH: 2405.6 ACTT: 2405.6 HOBBS: 1294.2								
Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. R&R LH brake pads 066-14100. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.								
Ryan Dougherty AP3699307								
					4/4/2023	N544DS	Tach 2689.1	ACTT 2689.1
					Suspected crack in upper leading edge of LH MLG strut. Removed paint in suspected area, performed dye penetrant NDT inspection no defects noted. Performed visual inspection of area no defects noted. Applied touchup primer & paint to affected area.			
					AP3699307			

REG: N544DS      DATE: 12/2/2022      TACH: 2405.6      ACTT: 2405.6      HOBBS: 1294.2

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. R&R LH brake pads 066-14100. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N544DS    DATE: 1/18/2023    TACH: 2504.5    ACTT: 2504.5    HOBBS: 1435.4

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. R&R nose tire with new 5.00 x 5. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N544DS      DATE: 5/10/2023      TACH: 2696.9      ACTT: 2696.9

Airframe annual inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. AD 22-13-06 N/A not installed. AD 20-14-06 N/A by p/n & s/n. Complied with FAR 91.207(d) ELT inspection, battery due 12/2024. R&R aft canopy with serviceable, ops check sat. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW an annual inspection and is approved for return to service.

Stephen Jackowski  
AP3008621A

2-6-2013  
ACT: 2554.7

Inspected R.H. main landing gear  
for condition. Notice dated: 2-5-2013  
Corrosion does NOT exceed max. allowable  
amount. scheduled for further inspection  
I determine this gear is safe for  
flight at this time. Repairs are  
scheduled in the next 30 days. Repetitive  
inspection.

AP 300 8621 TA

REG: N544DS DATE: 8-17-2023 TACH:  
TOTAL: 2742.2

Major Structural Inspection completed this time and date.  
Utilizing AMM DA-40-180, Rev.9 chapter 5-28-50 checklist as  
a guide. No defects noted at this time. I determine I inspected  
this aircraft IAW MSI checklist and determine to be airworthy  
at this time.

Aaron Zgurich

REG: N544DS      DATE: 8-17-2023      TACH:  
TOTAL: 2742.2

*Major Structural Inspection completed this time and date. Utilizing AMM DA-40-180, Rev.9 chapter 5-28-50 checklist as a guide. No defects noted at this time. I determine I inspected this aircraft IAW MSI checklist and determine to be airworthy at this time.*

Aaron Zgurich  
AP 3408050

REG: N544DS DATE: 2/24/2023 TACH: 2597.8 ACTT: 2597.8 HOBBS: 1566.

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. R&R left and right main tires with new 6.00x6 6ply. R&R RH MLG strut with new p/n D41-3213-12-50\_1\_. R&R LH MLG strut with new p/n D41\_3213-11-50\_1\_ s/n L0260/WB. R&R LH flap counterweight bracket with new p/n DA4-5751-00-62MOD. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Bryan Patrick  
AP4736086 *Bryan Patrick*

REG: N544DS      DATE: 2/24/2023      TACH: 2597.8      ACTT: 2597.8      HOBBS: 1566.

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. R&R left and right main tires with new 6.00x6 6ply. R&R RH MLG strut with new p/n D41-3213-12-50\_1. R&R LH MLG strut with new p/n D41\_3213-11-50\_1\_ s/n L0260/WB, R&R LH flap counterweight bracket with new p/n DA4-5751-00-62MOD. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Bryan Patrick  
AP4736086

Bryan Patrick



ADVANCED  
AIRCRAFT MAINTENANCE

## ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

N# 544DSCERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20000 FT. TO COMPLY WITH FAR 91.411.

CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.

CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.

CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.

This aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 4/21/2021 Tech. ES W.O. ES Signed ES

Advanced Aircraft Maintenance, Inc. • CRS# 3KJR540C • PH: (724) 823-0200 • 621 Airport Road, Hangar 118 • Belle Vernon, PA 15012

DATE: 06/17/2021 A/C REG #: N544DS S/N: 40044 TACH: 2077.8 ACTT: 2077.8

Disabled pitot heat system by use of a collar on the applicable circuit breaker. Placarded instrument panel with appropriate inoperative stickers. AMM DOC # 6.02.01 REV 7 dated 01 Apr 2013 referenced. This aircraft was returned to service with regards to this work that was accomplished.

ES  
Eran Stone  
3235142AP

REG: N544DS DATE: 7/24/2021 TACH: 2121.5 ACTT: 2121.5

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. Complied with FAR 91.207(d) ELT inspection, battery due 12/2024. R&R landing light p/n 0770346-01, R&R nose tire 5x5.00, R&R right main 6x6.00. T.S. pitot heat inop. cleaned connections ops check sat. Removed placards and circuit breaker collar. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is an airworthy condition at this time.

Ryan Dougherty  
AP3699307

CARRIED FORWARD

COMPLETE

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

SIGNATURE

LICENCE  
NUMBER

N544DS 10/1/2021 ACTT 2160.4 Tach 2160.4

Removed engine S/N L-29411-51A from aircraft  
installed engine S/N L-21109-51E ØTSMCH on aircraft  
with new engine shock mounts ground run leak check  
sat. ES AP3699307

REG: N544DS DATE: 11/8/2021 TACH: 2160.8 HOBBS: 939.9

R&R engine baffling with new composite baffling. R&R emergency batteries with new, next replacement due 11/2023.

Ryan Dougherty  
AP3699307

REG: N544DS DATE: 2/11/2022 TACH: 2221.4 ACTT: 2221.4

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. Complied with FAR 91.207(d) ELT inspection, battery due 12/2024. R&R MAP transducer with new. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N544DS DATE: 6/6/2022 TACH: 2305.5 ACTT: 2305.5

Airframe annual inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. Complied with FAR 91.207(d) ELT inspection, battery due 12/2024. R&R LH & RH aft nav light bulbs. R&R parking brake cable with serviceable, R&R RH brake pads 066-14100. Serviced air filter. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW an annual inspection and is approved for return to service.

Stephen Jackowski  
AP30086211A

N544DS 9/8/2022 Tach 2371.8 ACTT 2371.8  
Removed propeller MTV-12-B/180-17 S/N 050628  
from aircraft for repair  
ES AP3699307

N544DS 11/4/2022 Tach 2371.8 ACTT 2371.8  
Reinstalled propeller MTV-12-B/180-17 S/N 201751  
on aircraft after overhaul ES AP3699307



## ENGINEERING RECORD

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REG: N544DS DATE: 12/10/19 TACH: 1729.1 ACTT: 1729.1

installed uAvionix skybeacon p/n UAV-1001856-002 s/n 1003149 in r/h position light location. Ops check sat.  
See form 337 dated 12/10/2019  
Stephen Jackowski  
AP3008621IA

OR COMPLETE

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

SIGNATURE

LICENCE  
NUMBERBF  
FORWARD

N544DS Removed Propeller MTU-12-B S/N 02187

10/9/2019 for repair.

ACTT 1692.8 ~~AP3699307~~N544DS Installed propeller MTU-12-B S/N 080628  
10/19/2019 after repair  
ACTT 1692.8 ~~AP3699307~~

REG: N544DS DATE: 1/21/2020 TACH: 1749.2 ACTT: 1749.2

Aircraft 100 Hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. CW FAR 91.207(d) ELT inspection, battery due date 12/2024. Serviced inlet filter, lubed all points. CW AD 2007-11-21 fuel valve selector universal joint by inspection no defects noted next due ACTT 1849.2. AD 93-05-06 inspection and lubrication of ignition switch due at ACTT 3551.3. Removed, cleaned, inspected fuel strainer no defects noted. Removed, cleaned, inspected and repacked wheel bearings. I certify this aircraft has been inspected IAW a 100hr inspection and determined to be in an airworthy condition at this time.

Ryan Dougherty AP3699307

REG: N544DS DATE: 6-1-2020 HOBBS: 507.9 TACH: 1849.6 TOTAL: 1849.6

## AIRCRAFT ANNUAL

Aircraft Annual Inspection completed this time and date. Checked applicable AD's through this date. AD 93-05-06 ignition switch due at 3551.3 hour total. C/W AD 2007-11-21 Fuel valve selector by inspection, next due 1949.6. CW AD 2009-10-04. C/W FAR 91.207(d) ELT inspection par. (d). Battery due: 12/ 2024. Jacked aircraft, cleaned, inspected, lubed all wheel bearings. R&R all 4 brake pads PN: 066-14100. Repaired baffling. Treated minor corrosion defects. Serviced air inlet filter. Inspected gascolator. R&R voltage regulator. R&R left and right main tires 6.0 x 6.0 6ply. Lubed all points. Electrical checks all systems. I certify I inspected this aircraft IAW with an Annual inspection and determine to be **Airworthy and Approve return to service.**

Stephen P. Jackowski

AP3008621IA

REG: N544DS DATE: 8/25/2020 TACH: 1922.3 ACTT: 1922.3

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. CW AD 2007-11-21 fuel valve universal joint next due ACTT 1972.3. Complied with FAR 91.207(d) ELT inspection, battery due 12/2024. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW a 100hr inspection and is an airworthy condition at this time.

Ryan Dougherty  
AP3699307

N544DS 10/5/2020 Tach 1956.7 ACTT 1956.7  
CW AD 2007-11-21 by replacement of joint assembly D41-2823-20-00-01  
Next due 2956.7 ACTT. operational check sat

~~AP3699307~~

N544DS 11/12/2020 Tach 1992.8 Hobbs 706.2 ACTT 1992.8  
C/W AD 2014-13-08 mod. location of aft main gear in cabin  
IAW Diamond Aircraft Industries MSB 40-074, we 40-074. No further  
action required. ~~AP3699307~~

N544DS 11/16/2020 Tach 1992.8 Hobbs 706.2 ACTT 1992.8  
Removed propeller MTU-12-B 180/17 S/N 080628 from  
aircraft for repair  
~~AP3699307~~

N544DS 12/16/2020 Tach 1992.8 Hobbs 706.2 ACTT 1992.8  
Reinstalled propeller MTU-12-B 180/17 S/N 080628 on A/C after  
repair. ops check sat ~~AP3699307~~

REG: N544DS DATE: 5/25/2021 TACH: 2021.7 ACTT: 2021.7

Airframe ANNUAL inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD 93-05-06 due ACTT 3551.3. AD 2007-11-21 fuel valve universal joint due ACTT 2956.7. Complied with FAR 91.207(d) ELT inspection, battery due 12/2024. Lubed all points, checked nosewheel tension. Ground run leak check satisfactory. I certify this airframe has been inspected IAW an ANNUAL inspection and is an airworthy condition at this time.

Stephen Jackowski  
AP3008621IA



AIRCRAFT MAINTENANCE

REG: N544DS

Date: 4-27/2018

TACH: 1323.0

Total Time: 1323.0

R&R tail skid P/N DA4-5300-20-00 wip. S/N new FRP0747663-10000. Performed compass swings and installed new deviation card. R&R pilots inboard master cylinder seals with new, bled brakes w/5605 hydraulic fluid. Right main tire demounted and rotated.

Ryan Dougherty

A&amp;P 3699307



AIRCRAFT MAINTENANCE

REG: N544DS DATE: 8/2/18 HOBBS: 1353.6 TOTAL: 1353.6

Aircraft Annual Inspection completed this time and date. AD 93-05-06 ignition switch due at 2000hr total. C/W AD 2007-11-21 fuel valve selector by inspection, next due 1403.6 total c/w AD 2009-10-04 NLG for cracks IAW MSB40-046/3 dye pen no cracks noted. Next due 1553.6. C/W FAR 91.207(d) elt inspection par (D) battery due: 12/2024. Jacked aircraft, cleaned, inspected lubed all wheel bearings. Rotated L.H. main tire on rim. R&R all (4) brake pads p/n: 066-14100. R&R landing lamp p/n: 01-0770346-01. Cleaned and reinstalled instrument panel ground. Serviced air inlet filter. Lubed all points I certify I inspected this aircraft IAW an Annual Inspection and determine to be airworthy and approve return to service.

Stephen P. Jackowski  
AP30086211A

REG: N544DS DATE: 12-28-2018 TACH: 1453.8 TOTAL: 1453.8

Aircraft ANNUAL Inspection completed this time and date IAW FAR part 43 appendix D. Checked all applicable AD's through this date. AD 93-05-06 IGNITION SWITCH DUE AT 2000 HRS. C/W AD 2007-11-21 FUEL VALVE SELECTOR BY INSPECTION NEXT DUE 1503.8. AD 2009-10-04 NLG DUE 1553.6. C/W FAR 91.207(d) ELT inspection, battery due date 12/2024. R&R all 4 brake pads p/n 066-14100. Bled brakes. Cleaned, inspected and repacked all wheel bearings. Service inlet filter. Lubed all points. Ground run leak and operational checks satisfactory. I CERTIFY I inspected this AIRCRAFT IAW an ANNUAL inspection determine to be AIRWORTHY and APPROVED return to service.

Stephen Jackowski  
AP30086211A

N544DS

2/26/2019

Tach 1523.4 Total 1523.4

R&R pilots LH master cylinder seals with new. Bled  
brakes. Ops check sat. R&R cyl RD

AP3699307

COMPLETE

INSPECTION, REPAIRS &amp; REPLACEMENT

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

SIGNATURE

LICENCE  
NUMBER

N544DS 4/23/2019 Tach 1550.9 Total 1550.9

R&R starter P/N 149-24LS with overhauled. S/N  
off H-5041873 on H-5102805. Ops check sat

AP3699307

REG: N544DS DATE: 4/24/2019 TACH: 1553.3 ACTT: 1551.3

Aircraft 100 Hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. CW FAR 91.207(d) ELT inspection, battery due date 12/2024. Serviced inlet filter, lubed all points. R&R ignition switch P/N A510-2K with new, AD 93-05-06 inspection lubrication of ignition switch due at ACTT 3551.3. CW AD 2009-10-04 para f(2) by R&R NLG strut with new P/N D41-3223-10\_002. No further action required. CW AD 2007-11-21 fuel valve selector universal joint by inspection no defects noted next due ACTT 1601.3. R&R alternator P/N ALU8521RS with new S/N H-5090971. R&R alternator belt P/N 37A19773.376. I certify this aircraft has been inspected IAW a 100hr inspection and determined to be in an airworthy condition at this time.

Ryan Dougherty AP3699307

Advanced Aircraft Maintenance

621 Airport Rd Belle Vernon, PA 15012  
412-418-0735 FAA3KJR540C

ACTT: 1551.3 Reg: N544DS Date: 4/24/2019

The following tests and inspections have been performed: The transponder tests required by FAR 91.413 in accordance with Appendix F of Part 43.

William Szygler

ADVANCED AIRCRAFT MAINTENANCE

621 Airport rd Belle Vernon, Pa 15012 412-418-0735 FAA3KJR540C

ACTT: 1551.3 Reg: N544DS Date: 4/24/2019  
The following tests and inspections have been performed. The static system, altimeter and altitude reporting test required by FAR 91.411 Appendix E of part 43. The altimeter and/or ADC was tested to meet requirement up to 20,000 feet.

William Szygler

REG: N544DS DATE: 8-10-19 HOBBS: 1649.3 TOTAL: 1649.3

AIRCRAFT ANNUAL

Aircraft Annual Inspection completed this time and date. Checked applicable AD's through this date. AD 93-05-06 ignition switch due at 2000 hour total. C/W AD 2007-11-21 Fuel valve selector by inspection, next due 1749.3. CW AD 2009-10-04 NLG leg cracks NA by PN installed. C/W FAR 91.207(d) ELT inspection par. (d). Battery due: 12/2024. Jacked aircraft, cleaned, inspected, lubed all wheel bearings. Repaired baffling. Serviced air inlet filter. R&R left and right flap bonding straps. Inspected gascolator. R&R left and right main tires. Lubed all points. Electrical checks all systems. I certify I inspected this aircraft IAW with an Annual inspection and determine to be Airworthy and Approve return to service.

Stephen P. Jackowski  
AP30086211A



DATE	DAILY TOTAL	TOTAL AIR TIME SINCE MFG.	ENGINEERING RECORD	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
			AND AS MANY LINES AS REQUIRED FOR COMPLETE	ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.		

**Advanced Aircraft Maintenance**

621 Airport Rd Belle Vernon, PA 15012

412-418-0735 FAA3KJR540C

ACTT: 1194.0 Reg: N544DS Date: 4-14-17

The following tests and inspections have been performed: The transponder tests required by FAR 91.413 in Accordance With Appendix F of Part 43.

**Advanced Aircraft Maintenance**

621 Airport Rd Belle Vernon, PA 15012

412-418-0735 FAA3KJR540C

ACTT: 1194.0 Reg: N544DS Date: 4-14-17

The following tests and inspections have been performed: The transponder tests required by FAR 91.413 in Accordance With Appendix F of Part 43.

**ADVANCED AIRCRAFT MAINTENANCE**

621 Airport rd Belle Vernon, Pa 15012 412-418-0735 FAA3KJR540C

ACTT: 1194.0 Reg: N544DS Date: 4-14-17  
The following tests and inspections have been performed. The static system, Altimeter and Altitude reporting test Required by FAR 91.411 Appendix E of part 43. The Altimeter and or ADC was tested to meet requirement up to 20,000 feet.

**ADVANCED AIRCRAFT MAINTENANCE**

621 Airport rd Belle Vernon, Pa 15012 412-418-0735 FAA3KJR540C

ACTT: 1194.0 Reg: N544DS Date: 4-14-17  
The following tests and inspections have been performed. The static system, Altimeter and Altitude reporting test Required by FAR 91.411 Appendix E of part 43. The Altimeter and or ADC was tested to meet requirement up to 20,000 feet.

REG: N544DS DATE: 7/1/17 TACH: 1158.8 TOTAL: 1158.8

Aircraft Annual inspection completed this time and date. Checked applicable AD's through this date. AD 93-05-06 ignition switch due @ 2000 Hrs. C/W AD 2007-11-21 fuel valve selector by inspection next due 1208.8 TACH. C/W AD 2009-10-04 NLG leg cracks by inspection no defects noted next due 1358.8 TACH. C/W FAR 91.207(d) Elt inspection battery due date: 12/2024. Cleaned, inspected repack all wheel bearings. Lubed all points ck all electrical systems. I certify I inspected this aircraft IAW an Annual inspection and determine to be airworthy and approve return to service.

Stephen P Jackowski

AP3008621IA

REG: N544DS DATE: 7/24/17 TACH: 1165.7 TOTAL: 1165.7

R&R starter P/N: 149-24LS S/N: New: H-R070112. Ground run OPS cks good.

Ryan Dougherty

AP 3699307

REG: N544DS

Date: 11/15/2017

TACH : 1202.8

Total Time: 1202.8

R/R turn and bank indicator P/N 1394T100-32 S/N 2103-228. See Georgetown instrument services W.O # 26951. R/R fuel pressure transducer. With new P/N 3010017 S/N NEW 125059., R/R GNS 430 P/N 011-009280-10 S/N97105076 see Garmin international WO RMA 98415681. R/R GNS 530 P/N 011-00550-10 S/N 784028822 with Garmin international under WO RMA 98415681. R/R main tires 6.00-6/6. R/R R/H MLG strut P/N D41-3213-50 with new. Form tracking # AJ33417.R/R propeller MTV-12B S/N 02187 For repair MT USA.

Ryan Dougherty

A&amp;P 3699307

REG: N544DS

Date: 1/18/2018

TACH : 1258.4

Total Time: 1258.4

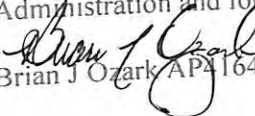
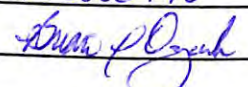
Aircraft 100hr completed this ACTT: 1258.4. 1/18/2018 Checked Applicable Ads through this date. AD 93-05-6 ignition switch due at 2000hrs. C/W ad 2007-11-21 fuel valve selector by inspection next due 1308.4. C/W AD 2009-10-04 NLG cracks by inspection no defects noted next due 1458.4. C/W FAR 91.207(d).ELT inspection battery due.12/2004, cleaned and inspected all wheel bearings. Lubed all parts. R/R inlet filter. I certify inspected this aircraft I/A/W a 100hr inspection determine to be airworthy and approve to return to service.

Ryan Dougherty

A&amp;P 3699307

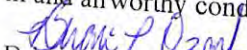


## AIR TIME AND

DATE	DAILY	TOTAL AIR	ENGINEERING RECORD	
	TOTAL	TIME SINCE	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	
		MFG.		
<b>OSARK AIRCRAFT MAINTENANCE LLC</b> Cape Girardeau Regional Airport Cape Girardeau MO 63701				
12-31-2014 N544DS Diamond DA40 S/N 40044 Tach 1020.0 Total Time 1020.0 On this date installed overhauled turn coordinator P/N 1394T100-3Z S/N 2103-228. Installed new electric horizon P/N RCA2600. Operationally checked both units both checked normal. The aircraft/component identified above was repaired / inspected IAW current regulations of the Federal Aviation Administration and found airworthy, and is return to service for work performed only.				
 Brian J Ozark AP#1640790				
10-18-15	1021.0		ON THIS DATE REMOVED BATTERY AND INSTALLED NEW GLL LT 7243-14 240 BATTERY S/N 602880740  AP#1640790	

**OZARK AIRCRAFT MAINTENANCE LLC**

Cape Girardeau Regional Airport  
Cape Girardeau MO 63701

December 10, 2015 N544DS Diamond DA40 S/N 40044  
Tach 1025.7 Total Time 1025.7  
On this date inspected this aircraft IAW FAR43 App (d) performed the following work  
opened all access panels and lubricated airframe. Inspected ELT IAW FAR91.207 (d) 1-  
4 next inspection due December 2016. Checked all lighting. Inspected brakes and  
serviced. Checked tires and wheel bearings. **C/W AD2007-11-21** Rev 7-9-07 by  
inspection of fuel selector joint no defect noted next inspection due 1075.7. Closed all  
panels and washed aircraft.  
I certify that this aircraft has  
been inspected IAW FAR 43 App (d) an Annual  
inspection and was determined to be  
in and airworthy condition.  
  
Brian J. Ozark AP41640790IA

Brian J Ozark AP41640790IA

## ENGINEERING RECORD

REG: N544DS DATE: 2-15-2017 HOBBS: 1073.3 TOTAL: 1073.3

AIRCRAFT ANNUAL

Aircraft Annual Inspection completed this time and date. Checked all applicable AD's through this date AD93-05-06 Ignition switch due at 2000 hour total. CW AD 2007-11-21 fuel valve selector by inspection, next due 1123.5. CW AD 2009-10-04 NLG leg cracks CW by inspection next due 1273.3. CW FAR 91.207 (d) inspection next due: 2/2018. Batteries due March 2017. Serviced brakes, inspected brakes and rotors. Jacked aircraft, cleaned, lubed, inspected all wheel bearings. Repair nose wheel ferring. R&R alternate air cable PN: DAI-9076-00-04. R&R mixture and throttle tension springs RZ-063E-12X. Checked all electrical, lights and connections. Lubed all points. Ground run electrical ops checks all systems good. I certify I inspected this AIRCRAFT IAW an ANNUAL inspection determine to be AIRWORTHY and APPROVE return to service.

Stephen P Jackowski  
AP30086211A

REG: N544DS DATE: 2-21-2017 HOBBS: 1082.8 TOTAL: 1082.6

Remove airframe battery and charged. Perform load test. Test satisfactory. R&R alternator PN: ALU-8521LS SN: NEW: H-R011061. Ground run ops checks good. Cleaned tested all spark plugs.

Stephen P Jackowski  
AP30086211A

REG: N544DS DATE: 4-20-17 HOBBS: 1194.0 TOTAL: 1194.0

AIRCRAFT ANNUAL

**Aircraft Annual Inspection** completed this time and date. Checked applicable AD's through this date. AD 93-05-06 ignition switch due at 2000 hour total. C/W AD 2007-11-21 Fuel valve selector by inspection, next due 1244.0. CW AD 2009-10-04 NLG leg cracks by inspection no defects noted next due 1394.0. C/W FAR 91.207(d) ELT inspection par. (d). Battery due: 12/ 2024. Jacked aircraft, cleaned, inspected, lubed all wheel bearings. R&R SCAT 12 from heat muff to cowl, and heat muff to firewall. R&R left strobe light PN: 34-0428020-65. R&R left and right main tires, PN: 070-314-0 Michelin Air 6.00-6/6/120. R&R all 4 exhaust gaskets PN: 77611. R&R left and right, inboard and outboard brake pads PN: 066-14100. Lubed all points. Electrical checks all systems. I certify I inspected this aircraft IAW with an Annual inspection and determine to be **Airworthy and Approve return to service.**

Stephen P. Jackowski  
AP3008621IA



Date: 2/21/12 N544DS

**Midwest Aviation Services, Inc.**

DAT

Tach/Hobbs: 919.1

ACTT: 919.1

BROU  
FORM

Completed annual inspection this date using Diamond Aircraft inspection form, chap. 5-28-00 for guidance.  
 Left and right main tires replaced and balanced. Left and right brake disc and linings replaced. Installed bonding straps on flaps. Repaired wiring for cabin lights.  
 Nose gear shock bushings replaced.  
 Standby batteries replaced.  
 AD2007-11-21 Fuel Selector inspected finding no discrepancies at this time.  
 AD2009-10-04 Nose Gear inspection completed finding no discrepancies noted at this time.  
 AD2010-25-01 Door Latch completed by installation of new bracket per MSB 40-070 Kit.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 10016.

SIGNATURE

AP406723370IA

REQUIRED FOR COMPLETE

 Date: 6/6/13  
 Tach/Hobbs: 947.8  
 ACTT: 947.8

N544DS

**Midwest Aviation Services, Inc.**
 PO Box 219 (270)744-8686 Ph.  
 200 Hardy Roberts Dr. (270)744-3466 Fax  
 West Paducah, KY 42086 midwest-aviation.com

SIGNATURE

LICENCE  
NUMBER

Completed annual inspection this date using Diamond Maint. Checklist, chap. 05-20-00 for guidance. Adjusted rear door latching mechanism. Right fuel placard installed. Cleaned terminals and replaced batteries for Quartz clock.  
 ELT and Remote batteries replaced and tested per FAR 91.207d. Next due APRIL 2015.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under shop order 10723

SIGNATURE

for CRS MW8R657W

Date: 8/20/2013 N544DS

Hobbs: 1018.2

**Midwest Aviation Services, Inc.**
 PO Box 219 (270)744-8686 Ph.  
 200 Hardy Roberts Dr. (270)744-3466 Fax  
 West Paducah, KY 42086 midwest-aviation.com

Removed GNS530 P/N 011-00550-10 S/N 78402822 and replaced memory battery with new battery Garmin P/N 360-00009-00. Also Performed Garmin Service bulletin #0845 software version 6.04. Installed and tested GNS530.  
 GNS430 P/N 011-00280-10 S/N 97105076 was causing full deflection on CDI. Removed GNS430 and sent to Garmin International for repair.  
 Installed GNS430 P/N 011-00280-10 S/N 97105076 after repair. Set up maintenance pages and ground checked system.  
 Repaired wire at pin 10 of J1 of GMA340 causing Comm #1 issues.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under shop order 10919.

SIGNATURE

for CRS MW8R657W

END

**OZARK AIRCRAFT MAINTENANCE LLC**
 Cape Girardeau Regional Airport  
 Cape Girardeau MO 63701

11-1-2014 N544DS Diamond DA40 S/N 40044

Tach 1020.0 Total Time 1020.0

On this date inspected this aircraft IAW FAR43 App (d) performed the following work opened all access panels and lubricated airframe. Packed all wheel bearings and replaced left main tube. Checked all lighting. Inspected brakes and serviced. Checked tires and wheel bearings. C/W2007-11-21 Rev 7-9-07 by inspection of fuel selector joint no defect noted next inspection due 1070.0. Closed all panels and washed aircraft.

I certify that this aircraft has been inspected IAW FAR 43 App (d) an Annual inspection and was determined to be in and airworthy condition.

Brian J Ozark AP41640790

I certify that the altimeter and static system test required by FAR 91.411 have been performed. The Altimeter S/N 5934PD-3A was tested to 20K feet on 1/14/2013.

Signature

Date: 1/14/2013.

I certify that the transponder tests required by FAR 91.413 and AC 43-6B have been performed and found to be satisfactory. Transponder: Make: Garmin Model: GTX-327 S/N: 83703664.

Signature

Date: 1/14/2013.

 Midwest Aviation Services, Inc. P.O. Box 219 Barkley Field  
 200 Hardy Roberts Drive West Paducah, KY 42086  
 FAA Certified Repair Station MW8R657W

CARRIED FORWARD



# AIR TIME AND

# ENGINEERING RECORD

9

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

Date: 6/4/2010 N544DS

Midwest Aviation Services, Inc.

Tach/Hobbs: 703.9

ACTT:

Removed #1 com antenne P/N DMC63-1/A S/N 38529, and installed new antenna P/N DMC63-1/A S/N 45521. Ground checked, found system to be functioning properly.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 8934.---END---

SIGNATURE *[Signature]* for CRS MW8R657W

1-4-2011	TACH 0749.7	HOBBS 0804.1	AFTT 0749.7	
				LUBED + INSPECTED AIRCRAFT.
				REPLACED A/C BATTERY WITH
				NEW CONCORD RB-24-15M.
				REPLACED ELT BATTERIES WITH
				9EA NEW DURACELL P/N MK1300
				DATE DATED MARCH 2017.
				ELT WAS INSPECTED AS PER FAR
				91.307, PAR. (d)(1-4). C/W FOLLOWING
				AD 2007-11-21 FUEL SELECTOR
				UNIVERSAL JOINT.
				AD 08-14-07 EXTERNAL FUEL IN-
				SECTION LINES.
				ANNUAL INSPECTION WAS ACCOM-
				PLISHED USING DIAMOND DA-40
				SERIES AMM, DOC # 6.02.01, REV 5.
				ALL ADS CHECKED THEN UPDATE
				2010-26. FOR DETAILS OF ALL WORK
				PERFORMED, SEE WJD # 2011-101
				FROM LOST HILL AVIATION INC.
				<i>[Signature]</i>
				2013/88 AHP

CARRIED FORWARD

(CONT.)

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

*(CONT.)*  
AIRCRAFT Engine / Prop. has been inspected  
and to be in satisfactory condition.

Tach/Hobbs: 0749.7 Date: 2011-10-1

Total Time: 0749.7 Date: 1-4-2011

Signature: *[Signature]*

License: 2013/88 AHP IA

END

Date: 9-26-11  
Tach/Hobbs: 883.8  
ACTT:

N544DS

Midwest Aviation Services, Inc.

PO Box 219 (270)744-8686 Ph.  
200 Hardy Roberts Dr. (270)744-3466 Fax  
West Paducah, KY 42086 midwest-aviation.com

Removed old electric boost pump p/n 5100-00-9 s/n 3572, installed overhauled electric boost pump p/n 5100-00-9 s/n 414B operational test good no leaks noted this date. Inspected it and rt brake linings no defects noted. Completed ignition leads high tension test no defects noted, regapped and tested all spark plugs, no defects noted.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under shop order 9775

SIGNATURE *[Signature]* for CRS MW8R657W

Date: 11/11/2011  
Tach/Hobbs: 909.1  
ENGTT:  
SMOH:

N544DS

Midwest Aviation Services, Inc.

PO Box 219 (270)744-8686 Ph.  
200 Hardy Roberts Dr. (270)744-3466 Fax  
West Paducah, KY 42086 midwest-aviation.com

Removed #4 cylinder and reinstalled after repairs by G&N Aircraft. Drained oil, replaced fill with new CH48110-1, serviced engine with Philips 20W50 Type M. Removed mags, check point gaps, internally timed magnetos, installed and timed to engine Lasar T300 timing box all per LASAR L-1500 Master service manual. Replaced right mag #2 ignition lead. Ran aircraft, ops check good.---END---

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under shop order 9846

SIGNATURE *[Signature]* for CRS MW8R657W



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

**AIRFRAME**

Reg: N544DS  
Model: DA 40  
S/N: 40.044  
W/O: MS-09-00560



Date: 23 December 2009  
Hobbs: 659.7  
Tach: 606.1  
ACTT: 606.1

Removed, disassembled and cleaned the left and right brake calipers. Reassembled the brake calipers with new o-rings (p/n MS28775-224). Measured the thickness of the brake discs and found they are within serviceable limits. Removed and replaced the left and right brake linings with new (p/n 066-14100). Re-installed the brake assemblies on the aircraft. Bled brakes and serviced reservoir.

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. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y  
525 Turbine Ave, Chesterfield, MO (636)532-6155

**AIRFRAME**

Reg: N544DS  
Model: DA 40  
S/N: 40.044  
W/O: MS-09-00620



Date: 23 December 2009  
Hobbs: 659.7  
Tach: 606.1  
ACTT: 606.1

- 1) Inspected the right wing spar bridge and attach points in reference to DA 40 Series AMM Chapter 51-10-00. No damage found.
- 2) Completed and submitted Diamond's Damage Report and Classification form for evaluation.
- 3) Reinstalled the original left wing in reference to Diamond DA 40 Series AMM Chapter 57-10-00.
- 4) Fit a new RH wing assembly (p/n DA4-5712-00-00WIP, s/n CS0700428) and installed new spar bushings in reference to Diamond's instructions. Installation of Spar Bushings, RAM 40-076/b. Measured the wing dihedral and sweep and found to be within limits of the original left wing. Installed the original right fuel tanks in the new right wing in reference to DA 40 Series AMM Chapter 28-10-00.
- 5) Installed the new right wing assembly in reference to DA 40 Series AMM 57-10-00.
- 6) Adjusted the flaps in reference to DA 40 Series AMM 27-50-00. Operational check of the flaps was satisfactory.
- 7) Adjusted the ailerons in reference to DA 40 Series AMM 27-10-00. Operational check of the ailerons was satisfactory.
- 8) The new right wing assembly was painted by JetCorp, CRS# DELR158D, under work order no. J-15480.
- 9) Reinstalled and safetied the main landing gear struts in reference to Diamond DA 40 Series AMM 32-10-00.
- 10) Reinstalled the horizontal stabilizer in reference to DA 40 Series AMM 55-10-00. Operational check of the elevator and the elevator trim was satisfactory.
- 11) Reinstalled the rudder in reference to DA 40 Series AMM 55-40-00. Operational check of the rudder was satisfactory.
- 12) Reinstalled the engine (model IO-360-M1A, s/n L-29411-51A) after inspection/repair by Poplar Grove Airmotive, CRS# YYBR664L, under work order no. 2685, in reference to DA 40 Series AMM 71-00-00.
- 13) Installed a serviceable propeller (model MTV-12-B/180-17, s/n 02187, TSN 786.8 hrs) in reference to DA 40 Series AMM 61-00-00.
- 14) The upper and lower engine cowlings were sent to Poly-Fiber Enterprises, CRS# YXPR750X, for repair. The upper cowling was repaired under work order no. 5459 and the lower cowling was repaired under work order no. 5460. Reinstalled the cowlings.
- 15) Removed and replaced the left and right wing root seals with new material (p/n 1110762).

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. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y  
525 Turbine Ave, Chesterfield, MO (636)532-6155

**AIRFRAME**

Reg: N544DS  
Model: DA 40  
S/N: 40.044  
W/O: MS-09-00655



Date: 23 December 2009  
Hobbs: 659.7  
Tach: 606.1  
ACTT: 606.1

- 1) Performed an annual inspection in reference to Diamond DA 40 Series AMM, Doc # 6.02.01, Rev. 5, Chapter 05-20-00.
- 2) Complied with AD 2007-11-21, effective date 7/9/07, by inspection of the universal joints between the fuel selector handle and valve in accordance with Diamond MSB40-030/3. No defects noted. Next inspection is due at 656.1 ACTT.
- 3) Complied with AD 2009-10-04, effective date 6/17/09, by dye-penetrant inspection of the nose landing gear leg in accordance with Diamond MSB40-046/3. No cracks noted. Next inspection is due at 806.1 ACTT or by Dec 2010.
- 4) Removed the aircraft battery (p/n CB24-11M, s/n 40072725). Activated and installed a new battery (p/n RG24-15M, s/n 40302042).
- 5) Removed and replaced the right wing safety walk with new (p/n D41-5300-00-71).
- 6) Inspected and functionally tested the ELT and found it meets the requirements of FAR 91.207(d).

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

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. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y  
525 Turbine Ave, Chesterfield, MO (636)532-6155

**AIRFRAME**

Reg: N544DS  
Model: DA 40  
S/N: 40.044  
W/O: MS-10-00706



Date: 12 February 2010  
Tach: 624.0  
ACTT: 624.0

- 1) Adjusted the elevator trim control in reference to DA 40 Series AMM 27-38-00. Operational check of the elevator trim is satisfactory.
- 2) Removed and replaced the right wing safety walk with new (p/n D41-5300-00-71).
- 3) Removed and disassembled the left main wheel assembly. Reassembled the wheel with a new tire (p/n 606C61B1, s/n 90147160). Serviced the tire with nitrogen and installed on the aircraft.
- 4) Removed and disassembled the right main wheel assembly. Reassembled the wheel with a new tire (p/n 606C61B1, s/n 90137185). Serviced the tire with nitrogen and installed on the aircraft.

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. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y  
525 Turbine Ave, Chesterfield, MO (636)532-6155

**ENGINE**

Reg: N544DS  
Model: IO-360-M1A  
S/N: L-29411-51A  
W/O: MS-10-00706



Date: 13 February 2010  
Tach: 624.0  
ACTT: 624.0  
ETT: 624.0

Drained the oil. Removed and replaced the filter with new (p/n CH48110-1). Inspected the oil filter and did not find any metal contaminants. Serviced the engine with Aeroshell 15W-50 oil. Performed an engine ground run, no leaks noted.

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. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y  
525 Turbine Ave, Chesterfield, MO (636)532-6155



Diamond DA-40  
S/N: 40044N544DS  
10-03-08Tach: 477.2  
Hobbs: 531.0  
Acft T.T.: 477.2

Completed the following Maintenance:

1. Performed an Annual Inspection referencing the Diamond DA-40 Maintenance Manual.
  2. Researched AD's through the bi-weekly issue #2008-19F.
  3. Performed the annual ELT Inspection in accordance with FAR 91.207(d). Removed and installed new ELT Batteries (P/N: MN1300), with an expiration date of Sep 2010. Complied with FAR 91.207(c), by marking the transmitter. Removed and installed a new ELT Phone Cord (P/N: RJ-116P4C). Operational checks found satisfactory.
  4. Removed the L/H, R/H, and Nose Wheels. Removed, cleaned, inspected, greased with Aeroshell #5, and reinstalled all wheel bearings, no defects found. Reinstalled all wheels.
  5. Cleaned and lubricated the aircraft as required.
  6. Removed, cleaned, inspected, and reinstalled the Fuel Filter using a new o-ring, no defects found.
  7. Removed, serviced, and reinstalled the Aircraft Battery.
  8. Removed and installed a new ELT Remote Switch Battery (P/N: PB28L).
  9. Removed and installed new Rudder Cables (P/Ns: CA1-1200, CA1-1600-WIP, CA1-2200-WIP, and CA1-4060) per Chapter 4 requirements. Operational check found to be satisfactory.
  10. Replaced rivets in the ground strap on the cowl fastener and firewall seal for the map line.
  11. Removed the Propeller (M/N: MTV-12-B/180-17; S/N: 00199) with 447.2 Total Time and installed a Propeller (M/N: MTV-12-B/180-17; S/N: 02187) with 765.7 Total Time, using a new o-ring. Run-up, leak, and operational checks found to be satisfactory.
  12. Installed Revision 7 in the P.O.H., updated records as required.
  13. Serviced the Brake Reservoirs with 5606 Fluid to the appropriate level.
  14. Complied with AD 2007-11-21 by inspection of the Fuel Selector Shaft referencing Diamond MSB 40-030/3, no defects noted. Next due at 527.2 ACTT.
  15. Complied with AD 2007-17-06 by inspection of the Nose Gear referencing Diamond MSB 40-046/1, no defects noted. Next due at 677.2 ACTT or Sept 2009, whichever occurs first.
  16. Removed and installed new Emergency Batteries. Functional check found to be satisfactory. Placarded with the replacement date. Next replacement due Sep 2010.
  17. Removed all the Reading Lights, cleaned the contact points and serviced with DC4 Compound, and reinstalled the lights. Operational check found to be satisfactory.
  18. Removed and installed new Compass Light Bulb (P/N: 330). Operational check found satisfactory.
  19. Cleaned and lubricated the Top Hinge Bearing for the Rudder using Aeroshell #5 Grease.
  20. Adjusted the Elevator Trim Friction as needed. Operational check found to be satisfactory.
  21. Complied with Diamond MSB 40-033 by visual inspection of the Exhaust Risers, no defects noted. Next due at 527.2 ACTT.
  22. Complied with Diamond MSB 40-044 by installation of the Muffler Brace Kit (P/N: MSB-40-044-1).
  23. Complied with Diamond MSB 40-054/1 by installation of reinforcement of the pitot, static and stall warning lines. Elongated the passage hole through the bulkhead and wrapped the lines. Secured with tie-wraps and edge protection.
  24. Sealed the Middle Fin in the forward R/H NACA inlets using Marine 4000 Sealant.
  25. Removed the R/H Elevator Tip and inspected the structure, no defects noted. Reinstalled the Elevator Tip and repaired the Attach Point using Marine 4000 Sealant.
  26. Removed and installed a new Alternator Belt (P/N: 37A19773-376).
- I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Modern Aero, Inc.  
14801 Pioneer Trail  
Eden Prairie, MN 55347Authorized Signature: 

End

WO# 36223 FAA CRS #MZER198L

RED FOR COMPLETE

ENTR

## MAINTENANCE RECORD

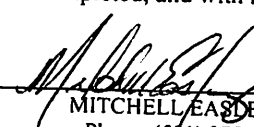
Date:	10-30-2008	Page	1 of 1 Pages	Reg. No:	N544DS
Aircraft:	Diamond DA-40	Serial #:	40.044	Tach Time / H.M.	498.3 / 553.6
#1 Prop:	MTV-12-B/180-17	Serial #:	03038	Total time:/ TSO	1268.6 / 0.0

The below listed items were accomplished in accordance with Diamond DA 40 Aircraft Maintenance Manual and other approved or acceptable data as applicable. Work order discrepancy numbers are shown in brackets [ ]

Work Order PG-08-17932

[001] Loaner propeller p/n MTV-12-B/180-17, s/n 02187 removed and replaced with overhauled p/n MTV-12-B/180-17 s/n 03038 (Unit overhauled by MT-Propeller USA Inc. CRS # Q4MR908Y WO # 08-415MT)

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

Signed   
Central Flying Service, Inc  
1501 Bond Street, Little Rock, AR 72202

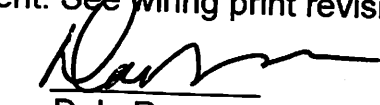
MITCHELL EASSEY  
Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
FAX (501) 374-2150

N544DS  
Diamond DA40, S/N 40.044

Date: 1/8/09, Hobbs: 572.5, Total: 572.5

Installed overhauled DG, Mid-Continent P/N 3300-11. Re-wired cannon plug to conform to new instrument. See wiring print revision in aircraft files.

  
Dale Raymer  
A&P3255309

AIRFRAME

Reg: N544DS  
Model: DA 40  
S/N: 40.044  
W/O: MS-09-00552



Date: 31 July 2009  
Hobbs: 659.7  
Tach: 606.1  
ACTT: 606.1

- Performed the following to facilitate transportation and repair in reference to Diamond DA 40 Series AMM, Doc # 6.02.01, Rev. 5:
- 1) Removed both wings in reference to Chapter 57-10-00. Removed the rudder in reference to Chapter 55-40-00. Removed the horizontal stabilizer in reference to Chapter 55-10-00. Removed both main landing gear legs in reference to Chapter 32-10-00.
  - 2) Removed the engine (model IO-360-M1A, s/n L-29411-51A) for sudden-stoppage inspection in reference to Chapter 71-00-00.
  - 3) Removed the propeller (model MTV-12-B/180-17, s/n 03038, TSN: 1376.4) in reference to Chapter 61-10-00.

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 not approved for return to service. Pertinent details are on file under the above work order.

Signed: 

CRS #M9TR576Y  
525 Turbine Ave, Chesterfield, MO (636)532-6155



# AIR TIME AND

# ENGINEERING RECORD

5

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					
9/23/05					THIS ACFT HAS BEEN INSPECTED IAW THE ANNUAL INSP REQUIREMENTS OF DIAMOND DA-40 AMM Doc# 6.0201. CLEANED, GAPPED & ROTATED PLUGS. REPLACE FOUR UPPER PLUGS. INSTALL NEW PRIMARY AND EMERG BATTERIES. REPLACED & FUNC TEST OF ELT BATT. NEW EXPIRATION DATE 2012. EXPIRATION DATE OF EMERG BATT 2011. REPLACED MAIN TIRES (AND TUBES) REPAIRED ALL WHEEL BEARINGS. COMPLIED WITH INSP REQ FOR FUEL SELECTOR LINKAGE. HOBBS 411.8
12/14/05					CHANGED OIL AND FILTER HOBBS 437.5
5/30/06					CHANGED OIL HOBBS 462.5
9/29/06					ACFT INSPECTED IAW THE ANNUAL INSP REQUIREMENTS OF DIAMOND DA-40 Doc# 6.0201. CLEANED & GAPPED & ROTATED PLUGS. COMPLIED WITH INSP REQ FOR FUEL SELECTOR LINKAGE.
3/25/07					CHANGED OIL HOBBS 462.5
9/03/07					HOBBS 497.9 I certify THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & FOUND IT IS AIRWORTHY COND. 4205 - C/W AD AD 2007-11-01 Fuel Selector UNIVERSAL JOINT NEXT DUE 547.9 HOBBS C/W AD 2002-20-01 Fuel Injector Lines NEXT DUE - NEXT ANNUAL - Next Due AT 574.3 FA.

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

SIGNATURE

LICENCE NUMBER

9/03/07 HOBBS 497.9 - REPAIRED WHEEL BEARINGS, CLEANED INJECTORS; CLEANED, GAPPED & ROTATED PLUGS; REPLACED AIR FILTER; FUNCTIONAL TEST OF ELT; REPLACED EXHAUST SYSTEM COUPLINGS

Signature #2425475

6/4/08 HOBBS 525.4 CHANGED ENG OIL

Signature #2425475



AVIONICS OF MODERN AERO, INC  
14801 PIONEER TRAIL  
EDEN PRAIRIE, MN 55347  
952-941-2595

FAA APPROVED REPAIR STATION 05VR353Y

N544DS

DATE: 09/25/2008

HOBBS: 531.0

I certify that the transponder, and altitude reporter tests required by FARs 91.413, and 91.217 have been performed and found to be within limits of FAR 43 appendix E paragraph C & appendix F.

Transponder model number: GTX327 S/N 83703664  
Altitude reporter model: D120-P2-T S/N 77738





Adjusted encoder as necessary. Performed pitot-static leak check as required per DA40 AMM Ch. 4. Updated both GNS 530 and 430 databases, expires 23-OCT-08. Ramp checks satisfactory.

Avionics of Modern Aero, Inc Eden Prairie, MN 55347  
CRS05VR353Y W/O# 5722




Signature Jared Rolfzen

CARRIED FORWARD



DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
 <p>MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION MZER198L N544DS</p> <p>DATE: 6/26/02 TACH: 111.1</p> <p>REMOVED EXHAUST ASSY. AND REPLACED WITH NEW EXHAUST ASSEMBLY P/N DA40-B S/N 15963-0005. GROUND RUN SATISFACTORY. REFERENCE MODERN AERO W/O #31007.</p> <p><i>[Signature]</i> <i>APR 2686300</i></p>								
 <p>MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION MZER198L N544DS</p> <p>DATE: 7/19/02 TACH: 176.9</p> <p>CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. EXXON 20W50. NO METAL IN OLD FILTER. RUN-UP LEAK CHECK OK. REFERENCE MODERN AERO W/O# 31080</p> <p><i>Jon Rutaski</i></p>								
 <p>MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION MZER198L N544DS</p> <p>DATE: 09/06/02 HOBBS: 193.2</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND A LIST OF DISCREPANCIES AND UNAIRWORTHY ITEMS DATED 09/06/02 HAVE BEEN PROVIDED FOR THE AIRCRAFT OWNER. PACKED WHEEL BEARINGS. SERVICED AIRCRAFT BATTERY. CLEANED MAIN FUEL SCREEN. SERVICED TIRES. CHECKED ELT IN ACCORDANCE WITH FAR 91.207(D). ELT BATTERY DUE 03/03. CLEANED OIL COOLER. TIGHTENED NOSE GEAR BUNGEE UPPER ATTACH POINT. REFERENCE MODERN AERO W/O# 31208.</p> <p><i>James A. Golphy</i> <i>AP4780044747IA</i></p>								
 <p>MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION MZER198L N544DS</p> <p>DATE: 9/13/02 HOBBS: 193.2</p> <p>REPLACED THROTTLE CABLE WITH NEW AND RIGGED AS REQUIRED. RUN-UP AND OPERATIONAL CHECK SATISFACTORY. ALL UN-AIRWORTHY DISCREPANCIES LISTED AT ANNUAL DATED 9/6/02 COMPLETED AT THIS TIME. REFERENCE W/O 31208 AND 31235.</p> <p><i>[Signature]</i> <i>APR/FA 2676500</i></p>								
<p>CHANGED OIL + FILTER 12/05/02 HOBBS 225.0 <i>[Signature]</i> #2425475</p> <p>CHANGED ENG OIL + FILTER 5/21/03 HOBBS 264.0 <i>[Signature]</i> #2425475</p> <p>9/5/03 THIS ACFT HAS BEEN INSPECTED IAW WITH THE ANNUAL INSPECTION REQUIREMENTS OF DIAMOND DA40 AMM DOC# 6.0201. INSTALLED NEW PLUGS; CLEANED INJECTORS; SERVICED BATT, BRAKES &amp; WHEEL BEARINGS; CHANGED OIL &amp; FILTER, CHECKED FLUID LEVELS &amp; SERVICED TIRES. FUNCTIONAL TEST OF RLT. HOBBS 293.0 <i>[Signature]</i> #2425475</p> <p>CHANGED OIL + FILTER 1/2/04 HOBBS - 317.5 <i>[Signature]</i> 2425475</p> <p>CHANGED OIL + FILTER 7/29/04 HOBBS 357.6 <i>[Signature]</i> #2425475</p> <p>9/18/04 THIS ACFT HAS BEEN INSPECTED IAW THE ANNUAL INSPECTION REQUIREMENTS OF DIAMOND DA-40 AMM DOC# 6.0201. CLEANED, GAPPED &amp; ROTATED PLUGS, BATT SERVICED, SERVICED FLUIDS &amp; TIRES AND BRAKES. CHANGED ELT BATT HOBBS 363.5 <i>[Signature]</i> #2425475</p> <p>CHANGED OIL + FILTER 10/21/04 HOBBS 375.0 <i>[Signature]</i> #2425475</p> <p>CHANGED OIL 5/12/05 HOBBS 401.6 <i>[Signature]</i> #2425475</p>								



DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD					NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.			
					 <p>Avionics of MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION <del>N544DS</del> 2/25/01</p> <p>REMOVED KX-125, PM-1000II, KT-76A, KI-208, KLN-94, AND KA-92. INSTALLED GARMIN GMA-340, GNS-530, GNS-430, TWO GI-106As, TWO GA-56s, GTX-327, CI-1125, CI-102, DM C63-2, AND MD41-1488. PLACED FAA APPROVED FLIGHT MANUAL SUPPLEMENTS FOR THE GNS-530 AND GNS-430 GPS SYSTEMS. SEE FAA FORM 337 FOR FURTHER DETAILS.</p> <p>AVIONICS OF MODERN AERO, INC EDEN PRAIRIE, MN 55347 CRS 05VR 353Y <i>Frank Deel</i> W/O# 2145</p>			
					 <p>Avionics of MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION <del>N544DS</del> 10/25/01</p> <p>REPLACED GXT327 TRANSPONDER WITH NEW S/N 83703664. RAMP TESTED SATISFACTORY.</p> <p>AVIONICS OF MODERN AERO, INC EDEN PRAIRIE, MN 55347 CRS 05VR 353Y <i>Frank Deel</i> W/O# 2237</p>			
JAN 17, 2002	TACH	58.0			<p>- C/W SB No 05B 40-001 - APPLICABLE WORK</p> <p>- W1-0AM-40-082 - INSTALLED INSTRUMENT PANEL</p> <p>- W1-0AM-40-067 - INSTALLED EMERGENCY BATTERY</p> <p>ARTIFICIAL HORIZON GUARD</p> <p>- C/W SB N 05B 40-05 - INSTALLED CANOPY</p> <p>- REPLACED EXHAUST GASKETS WITH NEW P/N 75118.</p>	<p>INSTRUCTIONS &gt;</p> <p>BONDING WIRE, SHIELDING ON COM ANTENNAS.</p> <p>E SWITCH, PLACARD AND VISION DIMMER RESISTORS, NEW PLACARDS</p> <p>LOCKS 1/16 W1-0AM-40-081,</p>		
					 <p>MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 952-941-2595</p> <p>FAA APPROVED REPAIR STATION MZER198L N544DS DATE: 6/12/02</p> <p>INSTALLED NEW MIXTURE CONTROL CABLE P/N A-1510-0866. NEW CABLE ASSEMBLY HAS TYPE B SWAGE. ADJUSTED RIGGING AS NEEDED. OPERATIONAL CHECK OK. REFERENCE MODERN AERO W/O# 30924-1 <i>Jon Rutowski</i> A/P 473080540</p>			
							<i>Paul A. Kenna</i>	552903801A
							<i>DIAMOND AIRCRAFT</i>	



# AIR TIME AND

# ENGINEERING RECORD

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LIC. NUM.
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD			7	6				
August 23/01	7	6			<p><b>Diamond</b></p> <p>Date: August 23, 2001 S/N: 40044 Reg. #: N544DS WO# R0-01-092 Engine S/N: L-29411-51A Prop S/N: 00 199 TTSN: 7.6 Hobbs: 7.6</p> <p>Magnetos replaced with new 2001 Manufactured Units per Unison Industries Instructions and SLI-96. LH Mag Model 4771 removed S/N: 00070969 New LH Mag installed Model 4771 S/N: 01061973 RH Mag Model 4770 removed S/N: 00070781 New RH Mag Model 4770 installed S/N: 01061980 Engine to Mag timing adjusted. Ground run up of aircraft performed and found to be satisfactory.</p> <p>The maintenance described above has been performed in accordance with the applicable standards of airworthiness.</p> <p>DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93</p> <p>Signature: <i>Paul Howard</i> Lic. Or Stamp: <b>DA R06</b></p>			
AUG 28/00	TACH 6.2	T TAF 6.2			<p>NOTE: TIMES CORRECTED INSTEAD OF HOBBS READINGS.</p> <p><b>Diamond</b></p> <p>Date: August 28, 2001 S/N: 40044 Reg. #: N544DS WO# RO-01-092 TACH: 6.2 TTSN: 6.2 Hobbs: 8.6</p> <p>The following Maintenance carried out. OAT gauge Model 301F S/N: 4311 Removed OAT gauge Model 301C S/N: 4988 Installed Transponder KT 76A S/N: 127517 Removed Loaner Transponder KT 76A S/N: 127291 Installed Removed KLN94 GPS S/N: 2220 Removed KI208 VOR/LOC Indicator S/N: 71954 Equipment list and Weight and Balance in Section 6 of A.F.M. amended New Empty Weight: 748.2 Kg Max. Permissible Weight: 1150 Kg New Useful Load: 401.8 Kg New Empty Weight C. G.: 2.437 m Empty Weight Moment: 1823.18 Kg m Note: as of this date the Aircraft Times recorded are the same as Tach Readings.</p> <p>The maintenance described above has been performed in accordance with the applicable standards of airworthiness.</p> <p>DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93</p> <p>Signature: <i>Paul Howard</i> Lic. Or Stamp: <b>DA R06</b></p>			
					<p>TO REFLECT TACH READINGS AS T TAF, IN THE EVENT OF TACH FAILURE HOBBS TIME MAY BE CONSIDERED.</p> <p><b>DA R06</b></p>			



# AIR TIME AND

# ENGINEERING RECORD

1

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD			7	6	Howis Brought Forward	Forward from Previous Logs.	Spinal Almond	DA R06
					<b>Diamond</b> Date: 21 August, 2001 S/N: 40044 Reg: N544DS WO#: RO-01-092 Hobbs: 7.6 TTAF: 7.6  Aircraft wings, horizontal stabilizer, nose and MLG reassembled per Maintenance Manual after shipment from Austria. Aircraft De-preservation carried out per de-preservation check sheet VA-P-09-05. Brake lines hooked up and brake bleeding carried out. Optional Type Certified Ventilation Modifications defined by Diamond—Dwg. # 4-2153-00-00 carried out. Ground run-up of engine performed. Found to be satisfactory.  The following S/B and S/I have been carried out as applicable: DAI SI 40-002 / Lycoming Mandatory S/B 548 – Engine Driven Fuel Pump replacement – N/A by S/N. DAI SI 40-003 – Vision Microsystem VM1000. Capacitor check – N/A by S/N of DPU. Bi-weekly AWD check carried out to current revision 2001-17.  The maintenance described above has been performed in accordance with the applicable standards of airworthiness.  DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #181-93 Signature: <i>Spinal Almond</i> Lic or Stamp: <b>DA R06</b>	<b>Diamond</b> I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Chapter 571, Appendix F F.A.R. 91:217 & F.A.R. 91:413.  DATE: August 21, 2001 INSPECTOR: <i>Spinal Almond</i> <b>DA R06</b>		
					<b>Diamond</b> I certify that the Static Pressure system has been inspected and tested in accordance with Chapter 571, Appendix B of the Airworthiness Manual, and F.A.R. 91:411  DATE: August 21, 2001 INSPECTOR: <i>Spinal Almond</i> <b>DA R06</b>			
					<b>Diamond</b> The ELT was tested and inspected in Accordance with Chapter 571, Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)  ANNUAL INSPECTION DUE: MARCH 2002 BATTERY DUE: MARCH 2005  DATE: August 21 2001 INSPECTOR: <i>Spinal Almond</i> <b>DA R06</b>			
					I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE FLIGHT CONTROLS AFFECTED BY THE WORK ACCOMPLISHED. Signature: <i>[Signature]</i> Lic or Stamp: <b>DA R07</b>  August 22, 2001  I find that this aircraft meets the requirements for the certificate requested and issued Standard Airworthiness Certificate dated August 22, 2001.  The next annual inspection is due August 2002. W.C. Tetrault W.C. Tetrault FAA/DAR DART333002EA Rochester N.Y.	PITCHING WITH MR BILL COPPERNOL MILWAUKEE FSBO PH (414) 486-2920: THE DAY/VER ENTRY (BELOW) IS NO VALID. IS WAS PROBABLY DONE WHEN AIRCRAFT WAS IMPORTED TO USA. REGS ARTICLE 207 & 208 TELL WHAT IS NEEDED FOR NGT/IFR. IT IS UP TO THE PILOT TO DETERMINE. FURTHER, IF THIS ACFT WAS RESTRICTED, THE AIRWORTHINESS CERTIFICATE WOULD STATE: "SEE REGS 23.1E". IT WOULD NOT SAY "DAY/VER ONLY" Bud Gordon		
August 22/01			7	6	AS OF THIS U.S. CURRENTLY EQUIPPED	CERTIFICATION THIS AIRCRAFT IS FOR DAY VER ONLY.	Spinal Almond	DA R06
			7	6	CARRIED FORWARD			



AIRCRAFT

1. Nationality and Registration N544DS
2. Manufacturer's Designation DA40
3. Manufacturer's Serial  
Number 40044
4. Type Approval or  
Specification Number A47CE
5. Date of Manufacture 2001
6. Aircraft Inspection Cycle \_\_\_\_\_