

AIRCRAFT TECHNICAL RECORD



DA 40 NG Serial No. 40.N143

Registration: N143NG

REGISTRATION

N143NG Inspection Tracking

1438.8

as of:
9/17/24

Monthly Utilization: 17.0
Estimated Hours: 1438.8
Annual Done: 9/17/24

ATA	Maintenance Requirements		Interval	
	Component	Maintenance	Hrs	Yrs
21	RACC System	Leakage Test		1
22	Autopilot System (GFC700)	Mechanical Check		1
22	Autopilot System (GSM86)	Torque Check		5
24	*Essential Bus	Verify Function	1000	
24	Main Battery	Capacitance Test		1
26	Fire Extinguisher	Overhaul		10
34	Static (91.411), Report (91.217/413)	Leak Test, Ops Check	1000	2
34	Magnetic Compass	Compensate		1
51	*Bonding and static discharging	Resistance Check	1000	
Life-Limited Components				
24	*Emergency battery (or after use)			2
24	*ECU Backup Batteries			1
24	V-Belt, 2nd Alternator		2000	
25	ELT battery (or after use)		Date on Unit	
25	3 Point safety harness, front&rear			1
28	Electrical Fuel Pumps		2400	
28	Fuel hoses up to gascolator			8
28	Fuel Filter		100	1
32	Brake fluid			3
52	Canopy door handle gas spring		3000	6
71	Air Filter		200	

*AMM 04-00-00 Airworthiness Limitations

Engine Life Limited Components

Component Maintenance

Engine	Overhaul	1800	12
Gearbox	Replace	1800	
EECU	Replace	1800	
TVD	Replace	1800	
Alternator	Replace	2400	
Engine Oil & Filter	Replace	100	1
Gearbox Oil & Filter	Replace	300	
Injector Zonal	Inspect	300	
Alternator	Inspect	300	
TVD	Inspect	600	
HPP	Replace	600	
WGA Circlip	Replace	600	
Coolant	Replace	600	
Water Pump (E4A-61-000-000)	Inspect	900	
*Injectors	Replace	900	
Timing Chain	Inspect	1000	
Timing Chain	Re-Inspect	1500	
V-belt	Replace		5

Propeller Life-Limited Components

Component Maintenance

Propeller MTV-6	Overhaul	2400	6
Governor	Overhaul	2000	6

Items in bold are Airworthiness Limitations

Last Performed		Next Due	
Hours	Date	Hours	Date
	Sep-24		Sep-25
	Sep-24		Sep-25
	Sep-22		Sep-27
1031.8		2031.8	
	Sep-24		Sep-25
	De 24		Dec-34
1228.4	Ja 23	2228.4	Jan-25
	Jl		Jul-23
1031.8		2031.8	
	Se		Sep-26
	Se		Sep-25
0.0		2000.0	
			Aug-27
	No		Nov-25
0.0		2400.0	
	Nov		Nov-21
1438.8	Sep	1538.8	Sep-25
	Sep		Sep-27
1133.6	Ju	4133.6	Jul-28
1347.7		1547.7	
0.0	Oc	1800.0	Oct-25
0.0		1800.0	
0.0		1800.0	
593.4		2393.4	
593.4		2993.4	
1438.8	Sep-24	1538.8	Sep-25
1202.2		1502.2	
1202.2		1502.2	
1202.2		1502.2	
1202.2		1802.2	
1202.2		1802.2	
1202.2		1802.2	
1202.2		1802.2	
-		-	
892.3		1792.3	
1031.8		2031.8	
0.0		1500.0	
	Mar-21		Mar-26
1438.8	Sep-24	3838.8	Sep-30
621.0	Dec-19	2621.0	Dec-25

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

AIRCRAFT

- | | |
|---|-------------------|
| 1. Nationality and Registration : | USA N143NG |
| 2. Manufacturer's designation : | DA 40 NG |
| 3. Manufacturer's Serial Number: | 40.N143 |
| 4. Type Approval or Specification Number: | A47CE |
| 5. Date of Manufacture : | November 25, 2013 |
| 6. Aircraft Inspections cycle: | |
-

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPL)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD	-	-	2	9			
MAR 18 2014	-	-	2	9			TIMES TRANSCRIBED HERE FROM DATA



WO#: RO-14-010 Aircraft: DA 40 NG S/N: 40.N143 Registration: N143NG TACH: 2.9 Hrs.
Engine: Austro Engine Model: E4-A Ser. No. E4-A-00193 TSN: 2.9 HRS.
Propeller: Mt-Propeller MTV-6-R/190-69 Ser. No: 130642 TSN: 2.9 HRS.

The following work carried out:

Aircraft arrived by ground transportation. Fuselage, Wings, Horizontal Stabilizer, and rudder checked for any shipping damage. No damage during transportation detected.
Aircraft & Documents inspected in Preparation for US Registration and issuance of US C of A.
Aircraft De preserved and assembled I.A.W. Type Certificate Holder Issued Document No. VA-P-09-05 Issue 009, and the current issue of the DA 40 NG Aircraft Maintenance Manual.
Pitot Static leak check carried out after installation of the Wings. Strobes. Position, Navigation, & Landing Lights checked for operation.
Engine Preservative Oil Shell Helix Ultra DC225.10 drained and the Engine serviced with 7 litres Aeroshell Oil Diesel Ultra 5W30.
Certificate of Airworthiness for Export issued by Austro Control Nr. 2441/13 issue dated November 25, 2013. Copy is on file.
Confirmation of Non Registration from Austrian Registry by Austro Control dated February 06, 2014. Received & is on file.
Aircraft Registered with FAA as N143NG & temporary C of R T14208 date of issue March 12, 2014 received from FAA.
Application for US Airworthiness Certificate FAA form 8130-6 submitted.
Austrian Production Test Flight log checked and Technical history of A/C verified New Technical log books generated
US Registration letters N143NG applied on both sides of the fuselage.
ME406 ELT Re Programmed with Beacon ID ADC6499D2909AB1. Country: 366 USA. Transponder Registered to N143NG
Operation check of the ELT performed and deemed satisfactory.
AFM checked and found to be at the current Revision No 2. Weight & Balance and Equipment list in section 6 of the AFM checked
All Placards checked for conformance I.A.W. Limitation Section 2 of the AFM.
Jeppesen database changed from Europe to North America (World Wide) And G1000 Database updated as follows:
Safe Taxi, Flight Charts, Airport Directory Obstacle, & Jeppesen updated. Next updates due April 03, 2014
Ground run up of the engine performed and fluid leak checked. No leaks detected. Engine operation deemed satisfactory
MSB40NG-002/6 ECU (Engine) Software Version updated to version VC33_1_05_16 (current version)
MSB40NG-003/6 Garmin G1000 software systems, manifests & configurations updated to Revision 6
OSB40NG-023 Installation of a Radiator Baffle - Optional only. To be C/W at owner's discretion.
OSB40NG-024 Installation of Battery Heaters - Optional only. To be C/W at owner's discretion.
AWD 2013-08-21 - Inspection of charge Air Tube. N/A due to S/N affectivity of the Aircraft.
AWD2013-14-08 - Replacement of Waste Gate controller N/A due to P/N of Waste Gate controller.
AWD Bi Weekly checked through 2014-05
The following Current Weight & Balance Report Metric Units converted to Standard Units:

METRIC UNITS.	STANDARD UNITS.
Empty Weight = 954.2 kg.	OR 2103.6 lbs.
E.W. Moments = 2359.9kg-m.	OR 204806.49 in. lbs.
E.W. C of G = 2.473 m.	OR 97.36 ins.
Max. All up Weight = 1280 kg.	OR 2822 lbs.
Useful Load = 325.8kg.	OR 718.26 lbs.

I have carried out an Independent Check of the Flight Controls affected by the above described work.

Signature: _____ Lic. Or ACA:



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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: _____ Lic or ACA:



WOCHNER AVIATION LLC

I find that the aircraft meets the requirements for the certification requested and have issued a (standard) (special) airworthiness certificate dated: March 19, 2014
The next (annual) (condition) inspection is due: March 31, 2015
Signed: Staniland Wochner
Staniland Wochner DART831148EA
Managing Member

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA



Section 1: Airframe Log

2

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)	NAME/ SIGNATURE	LICENCE: AME or AMO/ACA
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL			
	HRS	MIN	HOURS	MIN					
CARRIED FORWARD	-	-	2	9					



Date: March 25, 2014

WO # RO-14-010 A/C DA 40 NG S/N: 42.N143 Reg: N143NG TACH: 2.9 Hrs.

Engine: Austro Engine E4-A S/N: E4-A-00193 TSN: 2.9 Hrs.

Propeller: Mt-Propeller MTV-6-R/190-69 S/N: 130642 TSN: 2.9 Hrs.

The Following work has been carried out:

Installation of the GDL 69A carried out using the guidelines of Diamond Aircraft Industries GmbH (Type Certificate Holder) issued OAM 40-213/d, and approved Drawings DA4-9231-60-06 Rev. B, DA4-2315-20-00_01 Rev. A, and D60-2313-00-00_01 New GDL 69 unit P/N 011-00987-00 S/N 47767456 installed at an arm of 4.28 m. A Minor deviation to the location for Installation of the GPS/WAAS plus XM (Combo) Antenna GA37 P/N 013-00244-00 S/N 10018 carried out at an arm of 2.644m. NOTE: this Antenna has been installed in GPS 1 position instead of the GPS2 Antenna position to avoid interference with air condition ducting installation in the area. The original GPS1 Antenna GA36 S/N 9997 has now been relocated to GPS2 position as per drawing No.D60-2313-00-00_1. The original GPS 2 antenna GA36 Part No.013-00244-00 S/N 9984 has now been removed in exchange of the New GA37 Antenna. Function check of the installed GDL69 A to be carried out during the Maintenance check flight.

Compass swing carried out.

Radios on: Liquid Compass

FOR	N	30	60	E	120	150
STEER	001	030	059	090	121	150
FOR	S	210	240	W	300	330
STEER	178	207	236	268	300	330

Aircraft Weight & Balance revised.

METRIC UNITS. STANDARD UNITS.

New Empty weight = 955.40 kg. OR 2106.27 lbs
 New E.W C of G = 2.475 m. OR 97.445 m.
 New E.W Moments = 2364.97 kg-m. OR 205246.18 in. lbs
 Max all up Weight = 1280 kg. OR 2822.0 lbs
 New useful Load = 324.6 kg. OR 715.73 lbs

New Weight and Balance report and Equipment list added to section 6 of the Current AFM Doc. # 6 01.15-E Rev. 2

AWD checker: Through BI Weekly 2014-06.

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

The Maintenance described above has been carried out in accordance with the applicable standards of airworthiness.

Signature: *[Signature]* Lic or ACA: *[Signature]* DA RO6

This Aircraft is released subject to the completion of a satisfactory test flight for the evaluation of Flight, Engine, And Avionics performance

Signature: *[Signature]* Lic or ACA: *[Signature]* DA RO6

PAGE TOTALS

2.9

2.9

DATE	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLA
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
MAR 26 2014	1	5	2	9			

Diamond

Date: March 26, 2014

WO #RO-14-010 S/N: 40.N143 Reg: N143NG A/C TSN: 4.4 Hrs.
Engine: Austro Engine E4-A Ser. No. E4-A-00193 TSN: 4.4 Hrs.
Propeller: Mt-Propeller MTV-6-R/190-69 S/N: 130642 TSN: 4.4 Hrs.

The Following Post check flight snags Rectified:

- NLG fork friction checked and adjusted to 4.0kg I.A.W. chapter 32 of the DA40NG maintenance Manual.
- Propeller RPM adjustment carried out to obtain 2300 RPM @ 100% power.
- LH Aileron short push pull rod adjusted at the rod end by 1/2 turn to obtain up aileron
- Canopy Seal at top aft adjusted to rid of the air leak.

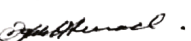
AWDs checked Thru Bi weekly Supplement 2014-06

I have carried out an independent inspection of the aileron & Prop. controls affected by the above described work.

Signature:  Lic. Or ACA: **DA RO21**

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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature:  Lic or ACA: **DA RO6**

MAR 27 2014 0.8 5.2

Diamond

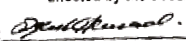
Date: March 27, 2014

WO: RO-14-010 S/N: 40.N143 Reg: N143NG TACH: 5.2 Hrs.

The Following work has been carried out.

LH aileron rod end turned in by one turn to bring the aileron in symmetry with the LH Flap LH Flap rod end adjusted by one turn to bring the flap down and added a shim. A preload reading of 4kg obtained. RH Flap shim sanded & obtained a preload reading of 5 kg.

I have carried an independent inspection of the Flaps & Aileron controls affected by the described work.

Signature:  Lic or ACA: **DA RO6**

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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature:  Lic or ACA: **DA RO21**

MAR 27 2014 0.4 5.6

Diamond

Date: March 27, 2014.

I have flown this aircraft in accordance with FAR 91.407, and determined that the Flight characteristics, Engine performance, and Avionics to be in conformance with the standards of the type.

Signature: 

Licence

DA Q8

PAGE TOTALS 5.6

Diamond

Date: March 27, 2014

WO: RO-14-010 S/N: 40.N143 Reg: N143NG TACH: 4.4 Hrs.

The Following work has been carried out.

ECU Self Test Pneumatic Switch DAIA P/N D44-3411-10-00 replaced I.A.W. drawing No. D44-3411-10-00 Rev. "0".
Not Leak check carried out after replacement of the pneumatic switch, and proved satisfactory. The recorded leak rate observed to be 0.75 knots per minute. Ground run up of the Engine performed and ECU Self test checked it Normal.

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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature:  Lic or Stamp: **DA RO21**

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPL)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD	-	-	5	6			



Date: April 07, 2014

WO #RO-14-010 S/N: 40.N143 Reg: N143NG A/C TSN: 5.6 Hrs.
Engine: Austro Engine E4-A Ser. No. E4-A-00193 TSN: 5.6 Hrs.
Propeller: Mt-Propeller MTV-6-R/190-69 S/N: 130642 TSN: 5.6 Hrs.

The Following additional work carried out:

- Detailing of the entire aircraft completed by the detailing department.
- Aircraft Striping kit installed. Supplied as a kit by DAIA GmbH.
- Rudder removed & Re installed after installation of the stripes
- Rudder Balance check carried out IAW the DA40NG AMM Rev 2, chapter 51-60-00. Report on file with the W/O.
- Independent check of the Rudder control after re installation carried out.

AWDs checked Thru Bi weekly Supplement 2014-06

I have carried out an independent inspection of the Rudder controls affected by the above described work.

Signature: [Signature] Lic. Or ACA: DA RO7

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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: [Signature] Lic or ACA: DA RO6

APR 09 2014 - - 5.6



Date: April 09, 2014

WO: RO-14-010 S/N: 40. N143 Reg: N143NG TACH: 5.6 Hrs.

The Following work has been carried out.
Garmin G1000 Database updates carried out.
Jeppesen & Flight Charts Next updates Due on May 01, 2014.
Safe Taxi, Airport Directory, and Obstacle Next Updates due On May 29, 2014.

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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: [Signature] Lic or ACA: DA RO6

5.6

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Airframe

N143NG
Model: DA40NG
S/N: 40.N143
Date: 12 May 2015



Hobbs Time: 57.6
Total Time: 42.2
Work Order: S-15-00085

Performed annual inspection using Diamond DA40NG AMM 05-28-50 Annual Inspection form as a guide to comply with the inspection requirements of FAR 43 Appendix D.
Complied with ECU battery replacement by installing new battery P/N LC-R127R2PG in accordance with Diamond DA40NG AMM 24-31-00.
Complied with 12 month magnetic compass check in accordance with Diamond DA40NG AMM 34-22-00.
Complied with the 12 month ELT inspection/functional check and found it meets the requirements of FAR 91 207(d).
Complied with 100hr fuel filter cleaning and inspection in accordance with Diamond DA40NG AMM 28-20-00.
Complied with 1000hr / 12 month autopilot system mechanical check in accordance with Diamond DA40NG AMM 22-10-00.
Complied with AD 2014-08-10 effective date 03 June 2014, waste gate controller lever inspection. AD does not apply by waste gate controller Rev. level per para. (e)(2). With respect to para. (f), no further action is required.
Installed anti-chafe wrap on NLG ground strap as required.
Accomplished all required operational and functional checks with satisfactory results.

I certify that this Aircraft has been inspected in accordance with an Annual inspection and is determined to be in an airworthy condition. Pertinent details are on file under the above work order.

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMR171C

Airframe

N143NG
Model: DA40NG
S/N: 40.N143
Date: 17 March 2016



Hobbs Time: 82.9
Tach Time: 62.3
Total Time: 62.3
Work Order: S-16-00064

Removed and replaced aft cabin door pneumatic strut P/N DA1-9052-00-11, ref. Diamond DA40NG AMM 52-10-00.
Accomplished all required operational and functional checks with satisfactory results.

The Aircraft 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 [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMR171C

Airframe

N143NG
Model: DA40
S/N: 40.N143
Date: 28 March 2016



Hobbs Time: 82.9
Tach Time: 62.3
Total Time: 62.3
Work Order: S-16-00085

Installed new outside door handle P/N DA4-5210-70-00_3 on forward canopy per Diamond DA40 AMM 52-10-00.
Accomplished all required operational and functional checks with satisfactory results.

The Aircraft 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 [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMR171C

Airframe

N143NG
Model: DA40NG
S/N: 40.N143
Date: 8 April 2016

Tested and Inspected Garmin ADC, P/N: 011-0 was found to comply with appendices E and F.
Tested and inspected standard altimeter, P/N: found to comply with appendix E of FAR 43.
Tested and inspected Transponder p/n: 011-00 Appendix F of FAR 43.
Tested and inspected aircraft dual static system appendices E and F of FAR 43.
Accomplished all required operational and functional checks with satisfactory results.

The Aircraft identified above was repaired and is approved for return to service. Pertinent details are on file under the above work order.

Signed [Signature]



ALT # 1

Correction Card

CRS #AMR171C

Altitude P/N: 011-00832-10 W/O # A-16-00139
Altitude S/N: 20615953 Date 4-7-2016

Test	Altitude Reads		Altitude Reads
Altitude			
-1000	-1005	12000	11990
0	-5	14000	13985
500	485	16000	15980
1000	985	18000	17980
1500	1485	20000	19980
2000	1985	22000	
3000	2985	25000	
4000	3985	30000	
6000	5985	35000	
8000	7985	40000	
10000	9985	45000	

Section 1: Airframe Log

Airframe

N143NG
Model: DA40NG
S/N: 40N143
Date: 6 Jun 2016



Hobbs Time: 83.9
Tach Time: 62.3
Total Time: 62.3
Work Order: S-16-00167
A-16-00246

Complied with an Annual Inspection using Diamond DA40NG AMM 05-28-00 and 05-28-50 Inspection forms as guides to comply with the inspection requirements of FAR 43 Appendix D.
Complied with 100hr drain hole inspection per DA40NG 05-25-00.
Complied with 12 month mechanical check of the GFC 700 autopilot per Diamond DA40NG AMM 22-10-00.
Complied with 12 month ECU battery replacement by installing new battery P/N LC-R127R2PG per Diamond DA40NG AMM 24-31-00.
Complied with 12 month RACC leakage check per Diamond DA40NG AMM 21-51-00.
Complied with 12 month magnetic compass check per Diamond DA40NG AMM 34-20-00. New compass card installed in aircraft.
Complied with 12 month safety harness check per Diamond DA40NG AMM 05-28-50.
Complied with 12 month 14 CFR 91.207(d) inspection of the ELT for proper installation, corrosion and operation of controls and sufficient radiated signal. Battery expires 8/2020.
Installed new alternator excitation battery P/N LC-R121R3P per Diamond DA40NG AMM 24-32-00.
Removed vapor cycle air condition pack for access and reinstalled per Diamond DA40NG 21-50-00.
Installed new GIA1, GIA2 and AHR3 3.2 amp slow blow fuses.
Complied with 24 month replacement of the emergency battery with new P/N D60-2560-91-00 S/N 16-111-8. Next due at 06/2018.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

The Aircraft 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 David Seastead Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C



Date: 6/16/17 N143NG S/N: 40N143
Total Time: 222.1 Hobbs: 288.3

1. Performed Annual Inspection using DA40NG AMM as a guide.
2. Inspected ELT system IAW FAR 91.207(d). Batteries expire 8/2020.
3. Inspected emergency battery system IAW DA40NG AMM 24-32-00. Battery expires 6/2018.
4. Complied with 100 hour lubrication IAW DA40NG AMM 12-10-00.
5. AD 2016-22-03 (Turbo Clamp) Replaced clamp with new P/N D44-9081-26-03 IAW MSB40NG 046/2.
6. ADs current to biweekly revision 2017-12.
7. Performed ground run operational and leak check.

I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in airworthy condition.

Authorized Signature: David Seastead AP3492477 IA



GERDES AVIATION SERVICES
FAA Approved Repair Station G3RR399J

IFR CERT. TESTS - The Altimeter / Static and Transponder Systems have been tested and inspected per 14 CFR 91.411 & 91.413. The systems were found to comply with 14 CFR 43, Appendix E & F to an altitude of 20,000 feet.
N Number N143NG 413.7 ACT N: 544.8
Date 06-04-2016 Authorized Signature: David Seastead
P.O. Box 2872 Fullerton CA 92837 Office (714) 525-7545



Date: 6/6/18 N143NG S/N: 40N143
Total Time: 413.7 Hobbs: 544.6

1. Performed Annual Inspection using DA40NG AMM as a guide.
2. Inspected ELT system IAW FAR 91.207(d). Batteries expire 8/2020.
3. Replaced emergency battery and inspected system IAW DA40NG AMM 24-32-00. Battery expires 6/2020.
4. Replaced ECU backup batteries P/N LC-R127R2PG IAW DA40NG AMM 24-31-00. Batteries expire 6/2019.
5. Complied with 100 hour lubrication IAW DA40NG AMM 12-10-00.
6. AD 2018-07-16 (WGA) Replaced WGA and cockpit IAW MSB-CA-012/2. Next due by 6637.
7. ADs current to biweekly revision 2018-11.
8. Performed ground run operational and leak check.

I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in airworthy condition.

Authorized Signature: David Seastead AP3492477 IA

PAGE
TOTALS

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& REPAIR



Date: 12/17/18 N143NG S/N: 40N143
Tach: 0491.5 Hobbs: 0653.4

MX Aero Global LLC
2901A E. Spring St. Long Beach, CA 90806
Main: 562.366.4806
Cell: 562.881.5345

1. Replaced Left Main tire P/N 06-05500-3 & Tube P/N 06-00770 IAW 40NG AMM 32-10-00
2. Replaced Nose tire P/N 06-07100 & tube 06-00755 IAW 40NG AMM 32-20-00
3. Adjusted Passenger door micro-switch lever.

I certify the above work was performed IAW DA40NG AMM and is in airworthy condition.

Authorized Signature: George Sanchez AP 2761073

MAKE: Diamond
MODEL: DA40
S/N: 40N143
REG NO: N143NG
WORK ORDER: 3371



MX Aero Global LLC
2901 East Spring St
Long Beach, CA 90806
Phone: 562-912-4263

DATE: 7/9/2019
AC TSN: 591.5
HOBBS: 786.7

Airframe Entries

(Tach: 591.5) Complied with 100hr/Annual inspection using Diamond Aircraft DA40NG AMM chapter 5 and FAR part 43 Appendix D as checklist as a guide. Complied with 100hr lubrication using DA40NG AMM CH 12-10-00 as a guide. All applicable Airworthiness Directives have been researched through bi-weekly issue 2019-11. Complied with ELT annual inspection using FAR part 91.207 D as a guide with no defects noted. ELT battery replacement due 8/2020. Removed and replace ECU backup batteries pin LC-R127R2PG using DA40NG AMM ch 24-31 as a guide. Next battery replacement due 6/2020. Installed right hand wing jack pad pin DV2-1200-00-02 using DA40NG AMM CH7-10 as a guide. Removed and replace right and left brake pads pin RA66-141 using DA40NG AMM CH 32-40 as a guide. Removed coolant tank P/N D44-7521-00-00_2 and replaced with improved coolant tank P/N D44-7521-00-00_03 using DA40NG AMM CH 75-00-00 as a guide.

I certify that this Aircraft has been inspected in accordance with 100hr/Annual inspection checklist and was determined to be in airworthy condition.

DATE: 7/9/2019 SIGNED: Ysmail Galera License: ASP 3587770 IA Work Order: 3371
Printed by EBis 3 (datcommedia.com)

N143NG Tom's Aircraft Phone 1-562-426-5331 DATE 08/28/2019
DA40 LLC FAX 1-562-426 1052 TACH 803.5
40 N 143 2721 E Spring Street * Long Beach Int'l Airport * Long Beach, CA 90806
WO# 19-366 AIRFRAME LOG ENTRY

1.1 Troubleshoot RCAA system. Found Thermostat inop. Removed and replaced with new P/N:850-9181 using DA40NG AMM Doc # 6.02.15 Rev. 3 Dated 01 Sep 2017 Ch. 21 as a reference. Performed operations check on RCAA system.

SYSTEM OPS CHECKED GOOD

Francis Salisbury FAA REPAIR STATION VTMR569K

MAKE: Diamond
MODEL: DA40
S/N: 40N143
REG NO: N143NG
WORK ORDER: 3531



Aero City Maintenance
2901 East Spring St
Long Beach, CA 90806
Phone: 562-912-4263

DATE: 11/19/2019
AC TSN: 620.3
HOBBS: 537.4

Airframe Entries

(Tach 620.5) Performed reset of ECU ASB and performed engine run up and ECU test, passed with no issues. Possible problem due to A/C wiring for almost 3 weeks. Using DIAMOND DA40NG AMM CH. 72 As a guide. Will monitor for future issues.

DATE: 11/19/2019 SIGNED: Ysmail Galera License: ASP 3587770 IA Work Order: 3531
Printed by EBis 3 (datcommedia.com)

Section 1: Airframe Log

PA

6

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

MAKE: Diamond
MODEL: DA40
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 3538



Aero City Maintenance

2901 East Spring St
Long Beach, Ca 90806
Phone: 562-912-4263

DATE: 11/26/2019
A/C TSN: 620 5
HOBBS: 837 4

Airframe Entries

Removed and replaced the main battery with new RG24-15 SN 4106046 using Diamond DA40NG Ch. 24-31 as a guide. Ops. check good.

DATE: 11/26/2019

SIGNED

Andres Almazan-Unostegui, A&P 4257382

Work Order: 3538

Printed by EBIS 3 (datamedia.com)



LEADING EDGE AVIONICS

CRS# 137R236D
19300 IKE JONES RD.
SANTA ANA, California 92707
United States
Telephone: 714-955-6151

Log Book Entry

Work Order No: 3801

October 01, 2019

Registration #: N143NG Manufacturer: Diamond Model: DA40NG S/N: N40143 Total Time: 610.6

Part Number	Serial Number	Description	
Removed			
DM C63-1/A	46367	DM C63-Series antennas	New Weight: 2,105.99
011-00779-10	89125579	GTX 33 REMOTE MODE S XPDR	New CG/Arm: 97.44
Installed			New Moment: 205,208.02
CI-2580-200	610997	CI 2580-200 COMDAT VHF/GPS WAAS	
011-03303-40	3B-H21591	GTX 345R GARMIN REMOTE ADS-B TRANSPONDER/WAAS (G1000)	

- REMOVED GTX 33 TRANSPONDER AND INSTALLED GTX 345R IAW GTX 345R AML/STC INSTALL MANUAL 190-00734-10 DATED SEPTEMBER 2019 REV 13. GTX 345R IS POWERED BY THE AVIONICS BUS WITH 3 AMP KLIXON 7277-2-3 CIRCUIT BREAKER LABELED "XPDR". GTX 345R INTERFACED WITH THE FOLLOWING SYSTEMS: GMA 1347/GIA 1/GIA 2 AND AVIDYNE TAS 600. TRANSPONDER SYSTEMS CHECK PERFORMED IAW 14 CFR 91.413 AND FAR 91.217.
- REMOVED DM C63 ANTENNAS AND MOUNT CI 2580-200 COMDAT VHF/GPS WAAS ANTENNA IN ITS POSITION FOR INTERNAL GPS POSITION ON GTX 345R IAW AC 43-13.1B USING ELEMENTARY PREVENTIVE MAINTENANCE PROCEDURES.
 - Maximum electrical load did not exceed 80% of the generating capacity of the electrical charging system.
 - The installation exhibits no interference to communication or navigation systems.
 - Weight & Balance/Equipment List have been amended.

These items identified above were installed, repaired and/or inspected in accordance with current Federal Aviation Regulations, manufacturer's specifications and is approved for return to service with respect to the work performed. Pertinent details of these repairs are on file at the repair station under Work Order Number 3801.

Signed: RON FREEMAN Date: 10/1/2019
CRS# 137R236D

MAKE: Diamond
MODEL: DA40
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 3551



Aero City Maintenance

2901 East Spring St
Long Beach, Ca 90806
Phone: 562-912-4263

DATE: 12/20/2019
A/C TSN: 621
HOBBS: 839.5

Airframe Entries

(Tech 621 0) Removed and installed new prop governor PN: P-853-16 SN: 15670810 using Diamond DA40NG AWM Ch. 61-23 as a guide. Operation/Leak check good. Replaced RH MLG tube PN: 05-00770 and tire PN: 05-05500-3 SN: 91372193 using Diamond DA40-NG AWM chapter 32 as a guide. Operation check good. Replaced both MLG brake discs PN: RA164-24400 and brake linings PN: RA066-14100 using Diamond DA40-NG AWM chapter 32 as a guide. Operation check good.

DATE: 12/20/2019

SIGNED

Yamir Galera-Acosta, A&P 358770 IA

Work Order: 3551

Printed by EBIS 3 (datamedia.com)



9/9/2020: N143NG Diamond DA40 S/N 40.N143 Tach/Hobbs:659.2 898.4

ENGTT:659.2 PROPTT:659.5 W/O 22627

- Annual inspection in scope and detail of FAR 43.13 appendix D.
- Replaced ECU batteries with new LC-R127R2P batteries. Due next 8/2021.
- Replace emergency battery with new D60-2560-91-00 battery. Due next 9/2022.
- Replace ELT battery with new 452-6499 per FAR 91.207(c). Due 8/2027.
- Replaced nose wheel bearings with new 08125 bearings
- Replaced nose wheel races with new 08231 races.
- Replaced left main wheel bearing and race with new 13836 race and 13889 bearing.
- AD 2016-23-03 due at tach 998.4.

This aircraft has been inspected and serviced in accordance with the Diamond DA 40 NG maintenance manual Annual inspection checklist and has been found to be in an airworthy condition at this time.

Larry Vidal A&P# 2713446 IA
(714) 526-6611

MAKE: Diamond Aircraft Ltd
MODEL: DA40-NG
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 6381-02-2021

Waterford Aviation, Inc.

6548 Highland Rd
Suite 900
Waterford, MI 48327
Phone: 248-724-2400

DATE: 05 February, 2021
A/C TSN: 899 5
TACH: 899 5

Airframe Entries

C/W AD2016-23-03. V-band Clamp inspection effective November 29th, 2016, by visually inspecting turbocharger v-band clamp for cracks and proper clearance. No issues noted. Inspection next due within 100 hours TIS. All work done IAW WI-MSB 40NG-048/2, dated July 22nd, 2016. Installed new jack pad on LH side. PN: DV2-1200-00-02. Replaced nose tire. P/N: 505C61-8 and tube. P/N: 097-908-0. Inflated with dry shop air as required. Leak check good. Work performed IAW Diamond DA40-NG AWM chapter 32. Inspected and tightened V-banded alternator belt as required.

DATE: 05 February, 2021

SIGNED

Larry Vidal, A&P 3695185

Work Order: 6381-02-2021

Printed by EBIS 3 (datamedia.com)

The ATC transponder was tested and inspected on 214121 and bound to comply with 91.413 Part 43, Appendix F. Automatic altitude reporting equipment was tested and calibrated on 214121 in compliance of 91.411 FAR 43, Appendix E, Paragraph (C) to 2000 ft. Work Order Number: 41388

Signature: [Signature]
TOP FLIGHT AVIONICS
C.R.S. TFGR831K

I certify that the altimeter and static system tests required by FAR 91.411 have been performed.

The altimeter was tested on 214121 by Top Flight Avionics to 2000 ft.

Signature: [Signature]
TOP FLIGHT AVIONICS
C.R.S. TFGR831K

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENTS)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

Airframe Log Book
Date: 03/09/2021

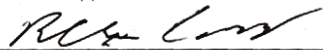
AirMart
AIRCRAFT SALES & BROKERAGE

Reg No: N143NG	Aircraft Type: DA-40-NG	Aircraft S/N: 40.N143
Tach: N/A	Hobbs: 961.9	Aircraft Total Time: 961.9

- Removed nose wheel pant, performed minor fiberglass repair on both halves, primed, and painted with PPG Delfleet essential (Mercedes DB147, Arctic white). Installed wheel pant on aircraft.
- Removed glare shield, applied glue to black trim and secured, re-installed glare shield.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 3-9-2021

Signed: 
Robert Crawford, A&P: 3895252

MAKE: Diamond
MODEL: DA40NG
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 0291

Premier
Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 3/9/2021
A/C TSN: 758.8
HOBBS: 1035.7

Airframe Entries

- Replaced NLG strut dampers DA4-9032-23-01 and DA4-9032-23-02
- Resealed engine harness firewall grommet
- Replaced Com2 antenna DMC63-2
- Safetied fuel selector
- Replaced flaps up indicator
- RSB40NG-052 Modified 2nd alternator mounting
- MSB40NG-002/15 (MSB-E4-003/25) Updated EECU software
- Replaced air filter RU-1620

DATE: 3/26/2021

SIGNED: 

David Seastead, License: AP3492477 IA

Work Order: 0390

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MAKE: Diamond
MODEL: DA40NG
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 0295

Premier
Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 6/4/2021
A/C TSN: 758.8
HOBBS: 1035.7

Airframe Entries

- Performed 100 Hour inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Replaced LH brake caliper o-ring and bled system
- Removed MLG wheel pant mounting brackets
- Replaced engine master switch with MS24525-23 and safety cover 508-MOD
- Replaced wing seals
- Replaced canopy seal

DATE: 6/4/2021

SIGNED: 

David Seastead, License: AP3492477 IA

Work Order: 0390

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 0360

Premier
Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 6/17/2021
A/C TSN: 758.8
HOBBS: 1035.7

Airframe Entries

- Replaced pax door handle

DATE: 6/17/2021

SIGNED: 

David Seastead, License: AP3492477 IA

Work Order: 0390

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MAKE: Diamond
MODEL: DA40NG
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 0394

Premier
Aircraft Service

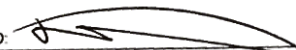
Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 7/30/2021
A/C TSN: 815.8
HOBBS: 1113.8

Airframe Entries

- Replaced RH tire and tube

DATE: 7/30/2021

SIGNED: 

David Seastead, License: AP3492477 IA

Work Order: 0394

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40 N143
REG. NO: N143NG
WORK ORDER: 0396

Premier
Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

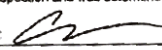
DATE: 8/17/2021
A/C TSN: 843.8
HOBBS: 1151.1

Airframe Entries

- Performed Annual Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Replaced LH tire and tube

I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in airworthy condition.

DATE: 8/17/2021

SIGNED: 

Chad Cox, License: AP3782800 IA

Work Order: 0398

Printed by EBis 3 (datcomedia.com)

AIRCRAFT DEPOT

5240 South Collins St. Arlington, TX 76018 361-813-7322
Date: 08/12/2021 REGISTRATION: N143NG Tach Time: 843.5

Installed new owner provided landing light. Ops check of light good. The work described above was done IAW the manufactures service manual and current FAA regulations.....END.....

Tommy McDaniel
3517538 AP



Sec

Make: Diamond
Model: DA40NG
S/N: 40.N143
REG NO: N143ng



Diamond Flight Center Of Texas
5070 S. Collins suite 205,
Arlington, TX 76018
Phone: 817-575-7828

Date: 09/30/2021
Hobbs: 1,280.3

CAR
FORV

Airframe entry:

- Installed Missing LH wing tip whelen clear lens light cover P/N: 02-0371773-30 I/A/W DA 40NG maintenance manual chapter 33.

Date: 09/30/2021

SIGNED:

Austin Paden, A&P:4494928

REPAIRS & REPU

wo: WO_15



Airframe page 1 of 1

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Diamond Fleet & Aviation Service 5070 S. Collins S. Suite 205 Arlington, TX 76018 910-644-4919

N143NG DIAMOND AIRCRAFT IND GMBH, DA 40 NG, S/N: 40.N143 December 16, 2021
TACH: 1028.5

LICENCE:
AMEor
AMO/ACA

Remove and replaced left main inner tube Installed P/N 097-500-0 - MICHELIN AIRSTOP TUBE 15X6 0-8 STR.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Diamond Fleet & Aviation Service under work order: WO_15.

Austin Paden A&P 4494928

Make: Diamond
Model: DA40NG
S/N: 40.N143
REG NO: N143ng



Diamond Fleet & Aviation Services LLC
5070 S. Collins suite 205,
Arlington, TX 76018
Phone: 817-575-7828

Date: 10/07/2021
Hobbs: 1,286.4
A/C TSN: 942.1
ENG TT: 942.1

Airframe entry:

- Performed 100 hour inspection using DA40ng AMM as a guide
- Complied with 100 hour lubrication
- Replaced fuel filter
- Inspected ELT system IAW 14 CFR 91.207

I certify this aircraft has been inspected IAW a 100 hour inspection and was determined to be in a airworthy condition.

Date: 10/07/2021

SIGNED:

Austin Paden
AP:4494928

Make: Diamond
Model: DA40NG
S/N: 40.N143
REG NO: N143ng



Diamond Fleet & Aviation services LLC
5070 S. Collins suite 205,
Arlington, TX 76018
Phone: 817-575-7828

Date: 11/05/2021
Hobbs: 1,323.4
A/C TSN: 968.7

Airframe entry:
Removed aircraft nose tire and inner tube and replaced it with a new tire P/N: S05C61-8 and new inner tube P/N: 097-908-0.

Date: 11/05/2021

SIGNED:

Austin Paden, A&P:4494928

Make: Diamond
Model: DA40NG
S/N: 40.N143
REG NO: N143ng



Diamond Fleet & Aviation services LLC
5070 S. Collins suite 205,
Arlington, TX 76018
Phone: 817-575-7828

Date: 11/16/2021
Hobbs: 1,342.3
A/C TSN: 982.5

Airframe entry:

- Replaced Nut, Hexagon Self-Locking P/N: DIN985-M12-A2.
- Replaced Washer Stainless P/N: DIN125-A13-A2
- Replaced 2 Disc Spring Washers P/N: DIN2093-A25X12.2X1.5
- Replaced washer NLG P/N: DA1-3223-00-34

Date: 11/16/2021

SIGNED:

Austin Paden, A&P:4494928

Make: Diamond
Model: DA40NG
S/N: 40.N143
REG NO: N143ng



Diamond Fleet & Aviation services LLC
5070 S. Collins suite 205,
Arlington, TX 76018
Phone: 817-575-7828

Date: 11/29/2021
Hobbs: 1369.4
A/C TSN: 1001.5

Airframe entry:

- Replaced right main inner tube Airstop Michelin with new one P/N: 097-500-0

Date: 11/29/2021

SIGNED:

Austin Paden, A&P:4494928

Top of Next Page

MAKE: Diamond
MODEL: DA40NG
S/N: 40.N143
REG NO: N143NG
WORK ORDER: 0502



Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 185
Fort Worth, TX 76106
Phone: 562 881 5345

DATE: 12/23/2021
A/C TSN: 1031.8
HOBBS: 1409.7

Airframe Entries

- Performed 100 Hour Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Performed 1000 Hour bonding and static discharging tests. Replaced all static wicks

I certify this aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition.

DATE: 12/23/2021

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0502

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wo: N143NG 2022.03.31 Unscheduled



Airframe page 1 of 1

Diamond Fleet & Aviation Service 5070 S. Collins S. Suite 205 Arlington, TX 76018 9012474808

N143NG DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.N143 March 31, 2022
HOBBS: 1482.6 TACH: 1086.6

- R/H MLG Tire Worn beyond limits - Removed R/H MLG Tire & Tube and replaced with New Serviceable Tire & Tube IAW DA40NG AMM Current Revision

With respect to the work performed, this aircraft has been found to be in an airworthy condition and is approved for return to service. Details of work performed are on file with Diamond Fleet & Aviation Service under work order: N143NG 2022.03.31 Unscheduled-190-69, MTV-6-R Propeller, SN: 130642

Michael Smith A/P 3906663

Diamond DA40NG Hobbs: 1683.9
DATE: 1-18-23 WO: 18660 N: 143NG

TRANSPONDER GTX345

ENCODER

G-1000 ADC

The altimeter and automatic pressure altitude reporting system has been tested and inspected per FAR 91.217, and found to comply.

The transponder has been tested and inspected per FAR 91.413, and found to comply with Appendix F of Part 43.

Pippen-York, Inc.
DBA A Flying Machine Company
555 Airport Road
Fredericksburg, Texas 78624
830-997-8205 FAX: 830-997-8276



Diamond Fleet & Aviation Services • 5070 S. Collins S. Suite 205 • Arlington, TX 76018 • 9012474808

N143NG
HOBBS: 1547.6DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.N143
TACH: 1133.6

July 14, 2022

1. **100 Hour Inspection** – Completed ICW Annual Inspection. Next due @ 1231.4 TACH.
2. **Annual Inspection** – Inspections Completed IAW DA40NG AMM current revision & FAR 43 Appendix D. ADs complied with through current bi-week. Next due July 2023.
3. **12 Month RACC Leak Test/Service** – Recovered 200g R134a refrigerant. Inspected IAW DA40NG AMM. Serviced 500g R134a. Next due July 2023.
4. **12 Month ECU Backup Battery Replacement** – Removed 2ea ECU batteries (p/n NP7/12) and installed 2ea new-serviceable batteries(p/n NP7/12) IAW DA40NG AMM current revision. Next due July 2023.
5. **24 Month Emergency Battery Replacement** – Removed emergency battery (p/n DA4-2560-91-00) and installed new-serviceable battery (p/n DA4-2560-91-00) IAW DA40NG AMM current revision. Next due July 2024
6. **12 Month Compass Compensation** – Compensation completed. Updated card in aircraft. Next due July 2023.
7. **100 Hour/12 Month Fuel Filter Replacement** – Removed fuel filter (p/n WK724_3) and installed new-serviceable filter (p/n WK724_3) IAW DA40NG AMM current revision. Next due 1231.4 TACH or July 2023.
8. **LED landing and taxi light installation requested** – Removed halogen landing & taxi lights and installed new-serviceable LED lights IAW Diamond Aircraft OSB40NG-026. Ops check OK.
9. **Canopy gas spring does not hold** – Removed canopy gas spring (p/n DAI-9052-00-12) and installed new-serviceable gas spring (p/n DAI-9052-00-12) IAW DA40NG AMM current revision.
10. **Passenger door gas spring does not hold** – Removed passenger door gas spring (p/n DAI-9052-00-11) and installed new-serviceable gas spring (p/n DAI-9052-00-11) IAW DA40NG AMM current revision.
11. **12 Month Concorde Battery Capacitance Test** – Completed IAW Concorde Battery CMM. Next due July 2023.

With respect to the work performed, this aircraft has been found to be in an airworthy condition and is approved for return to service. Details of work performed are on file with Diamond Fleet & Aviation Services under work order: N143NG 2022.06.22 Scheduled.

Michael Smith A&P/IA 3906663

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0578

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Performed GFC700 mechanical check
- Inspected GSM85 servo mounts IAW ICA 190-00545-01 Rev J
- Replaced induction air filter

DATE: 9/30/2022

SIGNED

Chad Cox, License: AP3782800 IA

Work Order

Printed by EBis 3 (datcomedia.com)

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0631

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Replaced MLG tires and tubes
- Replaced brake linings
- Replaced vinyl decals and registration markings on fuselage

DATE: 9/30/2022

SIGNED

Chad Cox, License: AP3782800 IA

Work Order

Printed by EBis 3 (datcomedia.com)

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0712

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Replaced LH tire and tube
- Replaced LH wingtip static wick
- Replaced wing seals

DATE: 11/18/2022

SIGNED

Chad Cox, License: AP3782800 IA

Work Order 0712

Printed by EBis 3 (datcomedia.com)

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0736

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Replaced charge hose D44-8122-00-10_2

DATE: 1/4/2023

SIGNED

David Seastead, License: AP3492477 IA

Work Order 0736

Printed by EBis 3 (datcomedia.com)

PDG Services + 670 Ferris Rd. Ste. 104 + Lancaster, TX. 75146

ACFT REG N143NG HOBBS TIME 1699.0

The ~~old~~ altimeter system has been inspected and found to comply with the requirements of FAR part 91.411, to an altitude of 20,000 ft. Pertinent details of the certification are on file at this repair station under the work order # 23-0139, dated 1-30-23.

Paul Gardner
CRS G49R038Y(Authorized Signature)
214-886-58941-30-23
(Date)

PDG Services + 670 Ferris Rd., Suite 104 + Lancaster TX 75146

ACFT REG N143NG HOBBS TIME 1699.0

The ~~old~~ altimeter, transponder & altitude reporting system has been inspected and found to comply with the requirements of FAR 91.411 & 91.413, to an altitude of 20,000 ft. Pertinent details of the certification are on file at this repair station under the work order # 23-0139, dated 1-30-23.

Paul Gardner
CRS G49R038Y(Authorized Signature)
214-886-58941-30-23
(Date)

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0775



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Inspected ELT system IAW 14 CFR 91.207(d)

DATE 1/30/2023

SIGNED

Chad Cox, License AP3782800 IA

Work Order
Printed by EBis 3 (datcomedia.com)



465 Airport Road
Fredericksburg TX
(830) 990-9C50
Airframe

Make: Diamond

Model: DA40NG

S/N: 40 N143

Hobbs Time: 1746.2

Tach Time: 1279.2

Registration: N143NG

Installed new tube P/N GL-1520B in right main gear wheel. Serviced to proper pressure. Reinstalled wheel on aircraft

I certify that this aircraft has been repaired and inspected in accordance with current FAA regulations and is approved for return to service for work performed

Thomas Bierschwald A/P 3439957 IA

Tom Bierschwald

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0836



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Replaced fuel filter

DATE 5/2/2023

SIGNED

David Seastead, License AP3492477 IA

Work Order
Printed by EBis 3 (datcomedia.com)

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 0605



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

Airframe Entries

- Performed Annual Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Replaced RH wingtip static wick
- Performed main battery cap check - passed at 90%
- Replaced induction air filter
- Replaced brake linings

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

SIGNED

David Seastead, License AP3492477 IA

Work Order
Printed by EBis 3 (datcomedia.com)

DATE 1/30/23
A/C TSN 1438
HOBBS



465 Airport Road

Make: Diamond

Hobbs:

Fredericksburg, TX

Model: DA40NG

Eng Tac Time: 1369.9

78624

S/N: 40 N143

Reg# N143NG

LICENCE:
AME or
AMO/ACA

Left main Tire and Tube need to be replaced - Removed and replaced tire and tube.

Parts: Tire - P/N: 156E66-4 Tube - 302-246-41

Nose Tire and Tube need to be replaced - Removed and replace tire and tube.

Parts: Tire - 505c61-8 Tube - 302-013-40

I certify that this procedure/inspection has been inspected IAW the scope and detail of appendix D, FAR part 43 and the Diamond Service Manuals and has been determined to be in an airworthy condition.

David Land A&P 3140576 IA Date: 10/1/21

Signature:

David Land

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG
WORK ORDER 1160



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

DATE 9/17/2024
A/C TSN: 1438.8
HOBBS: 1959.8

Airframe Entries

- Performed Annual Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Replaced emergency battery DA4-2560-91-00
- MSB40NG-070 inspected safety ropes
- RSB40NG-079 installed alternator cable stiffener
- MSB40NG-080 corrected starter wiring
- Replaced fire extinguisher and mount with new A344T
- Performed main battery capacitance check
- Leak checked and serviced RACC
- Performed GFC700 mechanical check
- Changed brake fluid
- Serviced coolant
- Replaced skeg with new DA4-5300-20-00-MOD
- Stripped and recoated inside surface of cowlings
- Removed prop and reinstalled after overhaul by Texas Aircraft Propellers
- Reinstalled original wheel pants and speed fairings

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE 9/17/2024

SIGNED

David Seastead, License AP3492477 IA

Work Order 1160
Printed by EBis 3 (datcomedia.com)

HALO AVIATION TEXAS, LLC

11 September 2025

N143NG

SN: 40 N143

FREDRICKSBURG, TEXAS

TACH:

AFTT 1460.1

Removed failing ship battery. Install new RG24-15, Concorde 24 volt battery, same as removed. Battery show 25.1 volts according to aircraft volt meter.

Sam Thiele
Sam Thiele A&P3509258

Section 1: Airframe Log

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DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACE)	NAME/ SIGNATURE	LICENCE: AME or AMO/ACA
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL			
	HRS	MIN	HOURS	MIN					
CARRIED FORWARD									

PDG Services, 670 Ferris Rd. Ste. 104, Lancaster, TX, 75146

ACFT REG: N143NG HOURS TIME: 1990.0

The altimeter, transponder & altitude reporting systems has been tested and found to comply with the requirements of FAR 91.411 & 91.413 to an altitude of 20,000 ft. Pertinent details of the certification are on file at this repair station under the work order # 15-1014, dated 10-14-25.

Paul Gardner (Authorized Signature) 10-14-25
CRS G49R038Y 214-886-5894 (Date)

PDG Services, 670 Ferris Rd. Ste. 104, Lancaster, TX, 75146

ACFT REG: N143NG HOURS TIME: 1990.0

The altimeter system has been tested and found to comply with the requirements of FAR 91.411 to an altitude of 20,000 ft. Pertinent details of the certification are on file at this repair station under the work order # 15-1014, dated 10-14-25.

Paul Gardner (Authorized Signature) 10-14-25
CRS G49R038Y 214-886-5894 (Date)

MAKE Diamond
MODEL DA40NG
S/N 40 N143
REG NO N143NG



3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106

W/O # 15
DATE 10-22-25
Airframe TT 143
Tach 143
Hobbs 143

Airframe Entries

- Performed Annual Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Replaced RACC control panel DAI-9021-00-03_1
- Installed fuel quantity placards D4D-1127-20-30X01
- Replaced 2nd alternator belt ISO4184XPZL987
- Replaced charge hose D44-8126-00-04
- Replaced exhaust pipe D44-7806-20-00_02

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 10-22-2025

SIGNED:

David Seastead
License: AP3492477 IA

WORK ORDER #

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TOTALS

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