

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 2/4/2023
TTA: 3485.1
Tach: 3485.1
Hobbs: 4690.1

Maintenance Record (Airframe)

Workorder reference: 2285

Performed a 100 HOUR inspection IAW 14 CFR Part 43 Appendix D, using Diamond DA42 AMM as a guide.

Removed inspection panels, and instrument panel cover for inspection.

Reinstalled inspection panels, and instrument panel cover after inspection.

Performed satisfactory gear swings

R&R Gear warning horn with new P/N SC628NDP

Serviced NLG strut and all tires

I certify that this Airframe has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition in regards to items inspected and repaired

Russell Letcher
A&P 4175600

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 2/12/2023
TTA: 3488.7
Tach: 3488.7
Hobbs: 4697.1

Maintenance Record (Airframe)

Workorder reference: 2292

R&R L/H fuel filter bowl lower o-ring with new P/N NM-0000-0026401 IAW DA42 AMM. Leak check good.

Russell Letcher
A&P 4175600

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 2/21/2023
TTA: 3491.5
Tach: 3491.5
Hobbs: 4701.5

Maintenance Record (Airframe)

Workorder reference: 2300

LH engine would not start. R&R LH alternator switch with new switch P/N# 7101KZZQE. Ran engine, ops check was good. All work was performed IAW the Diamond DA42 AMM. Kaleb Wade A&P# 4529292

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 3/14/2023
TTA: 3508.7
Tach: 3508.7
Hobbs: 4732.5

Maintenance Record (Airframe)

Workorder reference: 2317

R&R copilot rudder pedal adjustment cable P/N# 20-2700-21-00. Serviced copilot RH brake fluid reservoir. Ceiling light fell; reinstalled and sealed. Ops checks were all good. All work was performed IAW Diamond DA42 AMM. Kaleb Wade A&P# 4529292

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
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Date: 3/21/2023
TTA: 3515.0
Tach: 3515.0
Hobbs: 4740.9

Maintenance Record (Airframe)

Workorder reference: 2321

LH & RH Fuel Filler Caps Overhauled Using Overhaul Kits P/N M00150. Ops check good. All work done IAW Diamond DA42 AMM. White, Gabe A&P 4195784

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 4/4/2023
TTA: 3517.1
Tach: 3517.1
Hobbs: 4744.5

Maintenance Record (Airframe)

Workorder reference: 2333

R&R RH FWD Position Lamp With Serviceable Lamp P/N 34-0428020-65. All work Performed IAW Diamond AMM. Ops Check Good. White, Gabe A&P 4195784

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
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Date: 5/3/2023
TTA: 3531.4
Tach: 3531.4
Hobbs: 4769.0

Maintenance Record (Airframe)

Workorder reference: 2355

R&R JE-5 NLG Uplock Switch Roller Tab. All work Done IAW diamond DA42 AMM. Ops check good. White, Gabe A&P 4195784

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

NexGen Aviation
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Date: 5/23/2023
TTA: 3544.8
Tach: 3544.8
Hobbs: 4783.1

Maintenance Record (Airframe)

Workorder reference: 2367

Performed a 100 HOUR inspection IAW 14 CFR Part 43 Appendix D, using Diamond DA42 AMM as a guide.

Removed inspection panels, and instrument panel cover for inspection.

Reinstalled inspection panels, and instrument panel cover after inspection.

Performed satisfactory gear swings

Saftied LH & RH Fuel Tank Sumps

Glued Rear Ceiling, Baggage compartment Carpet, & RH Rear Footwell Carpet With 1300L

R&R RH IB Flap Pushrod Bonding Strap

Serviced MLG struts and all tires

I certify that this Airframe has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition in regards to items inspected and repaired

Russell Letcher
A&P 4175600

Russell Letcher

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
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Date: 6/9/2023
TTA: 3587.7
Tach: 3587.7
Hobbs: 4802.6

Maintenance Record (Airframe)

Workorder reference: 2393

R&R Top Flap Psoition Lamp With New P/N T 4.6 24/20. Ops Check Good. All Work Done IAW Diamond DA40 AMM.

White, Gabe *Gabe White* A&P 4195784

END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

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Date: 6/22/2023
TTA: 3591.9
Tach: 3591.9
Hobbs: 4802.6

Maintenance Record (Airframe)

Workorder reference: 2401

R&R LH Stator Motor P/N 05-8010-E002801 S/N B580589/1. Ops Check Good. All work Done IAW Diamond DA42 AMM.

White, Gabe *Gabe White* A&P 4195784

END



Going your way every day since 1957
Aircraft Logbook Entry

CA
FOI

Date: 9-25-2023
TSMOH:

Aircraft: N629SA
TTAF: 3600.5

SN: 42 AC011
Tach: 3600.5

Annual inspection completed this date. Complied with 100/200 hour requirements. Complied with aircraft battery capacity test. Complied with the hydraulic reservoir air filter inspection. Complied with Deice strainer inspection. Complied with magnetic compass swings. Replaced the alternator excitation batteries with new p/n LC-R121R3P. Replaced ECU batteries with new p/n NP7-12. Replaced fuel filter elements with new. Replaced brake fluid with new. Inspected the ELT in accordance with FAR91.207D. Battery good till 1-30-2024. Replaced the gas shock on the canopy latch with new p/n D41-5211-90-91. Removed the left outboard fuel tank and sent for a weld repair. Reinstalled with new gaskets and seals. Replaced the fuel cap orings with new p/n OR78x3. Replaced right brake caliper bolt with new p/n 103-11800. Completed composite repair of the left wing walk section due to delamination. Repairs completed in accordance with standard practices of the maintenance manual chapter 51 and factory layup drawing D60-5711-14-00. Repainted the area to match and applied new wing walk material p/n D60-1127-10-52_1 and p/n D60-1127-10-51_1. Reinstalled both jack pads using terostat MS9380. Replaced right wing inspection panel with new p/n D4D-5741-27-00_1-NSP. Repaired left flap bellcrank bonding wire. Replaced missing hardware in rear seat with new p/n LN9037-M6x18. Replaced both main brake pads with new p/n 066-10500. Repaired left jack pad surrounding area and painted to match. Epoxied rear seat impact foam block. Cleaned and treated hydraulic reservoir vent line. Replaced left main tire and tube with new p/n 156E66-4. Touched up both inside cowling with heat resistant paint. Replaced orings in right brake caliper with new p/n 101-02700. Replaced bleeder valve on right caliper with new p/n 079-00300. Bled the brakes. Replaced nose steering pushrod bolt with new p/n LN9037-M6x28. Replaced rudder trim pushrod block with new p/n D60-2728-00-51. AD's checked thru CD2023-16. Complied with AD2018-10-10 by inspection of the exhaust and clamping. Complied with AD2021-22-03 by inspection of the nose actuator attachment. Complied with AD2022-21-15 by replacement of the rudder T-yoke in accordance with RSB42-139. AD 2023-01-08 on the main bearing studs was found previously complied with at the Continental factory during the repairs completed 11-3-21 per email from Continental Technical Support. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

A&P3296474IA

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 10/27/2023
TTA: 3650.7
Tach: 3650.7
Hobbs: 4951.5

Maintenance Record (Airframe)

Workorder reference: 2509

R&R pilot rudder pedal assembly adjustment cable with new cable P/N# 20-2700-21-00. Ops check was good. All work was performed IAW Diamond DA42 AMM. Kaleb Wade *Kaleb Wade* A&P# 4529292-----END-----

Reg: N629SA
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NexGen Aviation
4144 Aviator Rd, Suite 100
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Date: 2/1/2024
TTA: 3672.1
Tach: 3672.1
Hobbs: 5007.1

Maintenance Record (Airframe)

Workorder reference: 2533

Pilot reported RH ECU failure. R&R RH camshaft 1 sensor P/N# 05-3940-K000101, receptacle P/N# NE-0000-0070901, and (3) contacts P/N# NE-0000-0210901 IAW Continental Repair Instruction RI-05-0011-03. Ran RH engine for 5 minute ground check, no ECU failure. A satisfactory test flight was performed. R&R ELT battery pack with new pack P/N# 452-6499, S/N# 1006690-022. Ops check was good. All work was performed IAW Diamond DA42 AMM. Kaleb Wade *Kaleb Wade* A&P# 4529292-----END-----

Reg: N629SA
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Date: 2/19/2024
TTA: 3687.8
Tach: 3687.8
Hobbs: 5033.4

Maintenance Record (Airframe)

Workorder reference: 2559
R&R MLG RH tire with new tire P/N# 156E66-4, S/N# 20500013, and R&R tube with new tube P/N# GL-15208 R&R all (4) MLG RH brake linings with new linings P/N# 066-10500. Removed RH engine upper cowlings. Serviced RH engine gearbox oil. Reinstalled cowlings. Ran engines, taxed and performed brake linings break-in procedures. Leak/ops checks were good. All work was performed IAW Diamond DA42 AMM.
Kaleb Wade *Kaleb Wade* A&P# 4529292 END

Reg: N629SA
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4144 Aviator Rd, Suite 100
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Date: 4/5/2024
TTA: 3703.7
Tach: 3703.7
Hobbs: 5053.5

Maintenance Record (Airframe)

Workorder reference: 2567
Performed a 100 hour inspection IAW 14 CFR Part 43, Appendix D, using Diamond DA42 AMM as a guide. Removed inspection panels, and instrument panel cover for inspection. Reinstalled inspection panels, and instrument panel cover after inspection. Performed satisfactory gear swings. R&R steering joint bracket with new P/N: D60-3223-19-00, S/N: 116020, using (4) new locking nuts P/N# DIN985-M8-A2. Torqued and sealed. R&R NLG steering joint bracket control bolt with new control bolt P/N: D60-3253-00-30, using new lock nut P/N# DIN985-M8-A2, torqued and sealed. R&R LH LH aileron pushrod upper bonding strap. Repaired crack in RH fuel sump panel. R&R both (2) LH wing static wicks with new P/N: 166307. R&R LH OB brake linings with (4) new P/N# 066-10500. Installed new velcro on co-pilot floorboard. All work was performed IAW Diamond DA42 AMM. I certify that this airframe was inspected in accordance with a 100 hour inspection, and was determined to be in an airworthy condition.
Kaleb Wade *Kaleb Wade* A&P# 4529292 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

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Date: 4/22/2024
TTA: 3720.6
Tach: 3720.6
Hobbs: 5062.5

Maintenance Record (Airframe)

Workorder reference: 2591
R&R Copilot RH Rudder Pedal Spring P/N MS24586C207. Ops check good. All work performed IAW Diamond DA42 AMM.
White, Gabe *Gabe White* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
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Date: 5/17/2024
TTA: 3751.7
Tach: 3751.7
Hobbs: 5139.3

Maintenance Record (Airframe)

Workorder reference: 2598
Swapped RH & LH Thermal switches to troubleshoot. Removed LH engine thermal switch, P/N D60-9026-16-03 S/N 000417. Installed LH engine thermal switch P/N D60-9026-16-03 S/N 345805. Ops check good. All work performed IAW DA42 AMM.
White, Gabe *Gabe White* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
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4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 6/4/2024
TTA: 3792.1
Tach: 3792.1
Hobbs: 5139.3

Maintenance Record (Airframe)

Workorder reference: 2608
R&R LH alt Position Lamp P/N 34-0428070-64. Ops Check good. All work performed IAW Diamond DA42 AMM.
White, Gabe *Gabe White* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

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4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 6/5/2024
TTA: 3792.1
Tach: 3792.1
Hobbs: 5139.5

Maintenance Record (Airframe)

Workorder reference: 2610
R&R Tire W/ new P/N 505C01-2 S/N 31800331. R&R Tube W/ new P/N GL-50678. R&R both Bearing races (2) W/ new P/N 08231-20629. R&R Bearing felt (1) W/ new P/N 154-00600. R&R Bearing cone (1) W/ new P/N 08125-20629. All work performed IAW Diamond DA42 AMM.
White, Gabe *Gabe White* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

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4144 Aviator Rd, Suite 100
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Date: 7/16/2024
TTA: 3803.4
Tach: 3803.4
Hobbs: 5239.8

Maintenance Record (Airframe)

Workorder reference: 2624

Performed a 100 hour inspection IAW 14 CFR Part 43, Appendix D, using Diamond DA42 AMM as a guide. Removed inspection panels, and instrument panel cover for inspection. Reinstalled inspection panels, and instrument panel cover after inspection. Performed satisfactory gear swings.

R&R Bonding Strap in R/H Wheel well

R&R R/H and L/H brake caliper o-rings with new P/N 101-02700

R&R All 8 brake linings with new P/N 66-10500

R&R Both Brake discs with new P/N APS164-01501

Bled brakes

Tightened R/H NLG Door attachment

Replaced various G1000 knobs with new

R&R Flaps up indicator lamp with new P/N T4 6 24-20

Applied sealant to L/H GPS Antenna

Secured prop deice hoses

R&R 1 coolant line clamp

R&R 1 exhaust attachment bolt

Installed missing airframe plug at aft door pin

Touched up various paint chips

Applied resin, sanded, primed and painted lower side of rudder trim tab, instrument panel cover, and 1 underwing panel

AD2024-06-13 PCW by bolt replacement 9-25-2023

Checked AD's through Bi weekly 2024-14

All work performed IAW DA42 AMM, Continental RM and DM, and MT prop manual

I certify that this Airframe has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition in regards to items inspected and repaired.

Gabriel White
A&P 4195784



Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

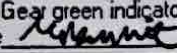
NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 7/25/2024
TTA: 3816.0
Tach: 3816.0
Hobbs: 5261.2

Maintenance Record (Airframe)

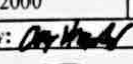
Workorder reference: 2636

R&R LH Landing Gear green indicator lamp w/ Serviceable P/N T4 6-24V-20MA. Ops check good. All work performed IAW Diamond DA42 AMM.

White, Gabe  A&P 4195784 END

STBY ALTIMETER SCALE CORRECTON CARD

REFERENCE ALTITUDED IN FT.	ALTIMETER READS	REFERENCE ALTITUDED IN FT.	ALTIMETER READS
-1000	-1010	14000	13960
0	-5	16000	15960
500	505	18000	17960
1000	1000	20000	19950
1500	1505	22000	-----
2000	2000	25000	-----
3000	3000	30000	-----
4000	4000	35000	-----
6000	5990	40000	-----
8000	7990	45000	-----
10000	9980	50000	-----
12000	11970		

Tested By: 

N#: N629SA

Date: 30/JUL/2024

Thoroughbred Aviation Maintenance, Inc.

4316 Hangar Drive

Lexington, KY 40510

FAA CRS # R81R199Y

PAGE
TOTALS

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PFD ADC ALTIMETER SCALE CORRECTION CARD

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-980	14000	14020
0	20	16000	16015
500	520	18000	18010
1000	1020	20000	20010
1500	1520	22000	
2000	2020	25000	
3000	3020	30000	
4000	4020	35000	
6000	6020	40000	
8000	8020	45000	
10000	10020	50000	
12000	12020		

Tested By: *Ally*

N#: N629SA

Date: 30/JUL/2024

Thoroughbred Aviation Maintenance, Inc.
4316 Hangar Drive
Lexington, KY 40510
FAA CRS # R81R199Y



THOROUGHbred AVIATION MAINTENANCE, INC.
4316 HANGAR DRIVE
LEXINGTON, KY 40510
CRS#R81R199Y

SYSTEM TEST DATE: 30/JUL/2024 WORK ORDER #: A24151 TACH: N/A HOBBS: 5278.1

AIRCRAFT REG #: N629SA AIRCRAFT SERIAL #: 42 AC011

AIRCRAFT MAKE/MODEL: DIAMOND DA42

I HEREBY CERTIFY THAT THE ALTIMETER, ENCODER, AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND MEET SPECIFICATIONS SET FORTH IN FAR 43 APPENDIX E.

#1 PFD ADC TESTED TO 20,000 FEET #1 ENCODER TESTED TO 20,000 FEET
#2 ALTIMETER TESTED TO 20,000 FEET

I HEREBY CERTIFY THAT THE ATC TRANSPONDER TEST REQUIRED BY FAR 91.413 WAS PERFORMED AND FOUND TO COMPLY WITH FAR 43, APPENDIX F.

#1 TRANSPONDER MAKE: GARMIN MODEL: GTX 345R SERIAL #: 3EH421036

TESTED BY: *Ally* CERT #: 4117846
Form TAM021-03/24

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 8/9/2024
TTA: 3847.2
Tach: 3847.2
Hobbs: 5330.6

Maintenance Record (Airframe)

Workorder reference: 2644

R&R LH MLG Tire P/N 156E66-4 S/N 32371151 & Tube P/N GL-1520B. R&R LH Strobe Flash Tube P/N 02-0250276-00. Ops Check good, all work performed IAW Diamond DA42 AMM. White, Gabe *signature* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 8/13/2024
TTA: 3869.0
Tach: 3869.0
Hobbs: 5385.6

Maintenance Record (Airframe)

Workorder reference: 2648

R&R LH Red Nav Light P/N 34-0428020-65. Ops check good. All work performed IAW Diamond DA42 AMM. White, Gabe *signature* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 9/16/2024
TTA: 3873.7
Tach: 3873.7
Hobbs: 5406.7

Maintenance Record (Airframe)

Workorder Reference: 2664

R&R Parking brake cable w/ new P/N J22700034. Ops check good. White, Gabe *signature* A&P 4195784 END

Section

DATE

/ /

CARRIED FORWARD



Going your way every day since 1957
Aircraft Logbook Entry

Date: 11-1-2024
TSMOH:

Aircraft: N629SA
TTAF: 3890.3

SN: 42.AC011
Tach: 3890.3

Annual inspection completed this date. All 100 and 200 hour inspections complied with. Complied with main aircraft battery capacity test. Complied with magnetic compass verification. Replaced alternator excitation batteries with new p/n NP1.2-12. Replaced fadec backup batteries with new p/n NP7-12. Complied with deice fluid strainer cleaning. Replaced fuel filters with new included in the 1000 hour kit p/n 05-9900-S000108. Cleaned and serviced induction air filters. Complied with bonding system and static discharging system tests. Inspected the ELT in accordance with FAR91.207D. Battery good till 5-30-30. Repaired flap pushrod bonding wire. Replaced right main brake pads with new p/n 066-10500. Replaced right main brake caliper oring with new p/n MS28775-222 and bled brakes. Epoxied pilot reading light frame for operation and replaced bulb with new p/n OSR2845. AD's checked thru CD2024-20. Complied with AD2018-10-10 by inspection of exhaust and clamping. Complied with AD2024-06-13 by visual inspection for sealant. Repair and replacement of bolt previous completed on 9-25-23. Bolt installed on 9-25-23 was verified as p/n D60-5320-00-32. See Don Davis Workorder 23562. Next visual inspection due 4090.3. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition.

[Signature]

A&P32964741A

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
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NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 11/7/2024
TTA: 3899.2
Tach: 3899.2
Hobbs: 5434.9

Maintenance Record (Airframe)

Workorder reference: 2682

R&F Emergency battery Assembly P/N DA4-2560-91-00 Next due: 11/7/26. All work performed IAW Diamond DA42 AMM.

White, Gabe *[Signature]* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
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NexGen Aviation
4144 Aviator Rd, Suite 100
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Date: 12/6/2024
TTA: 3936.1
Tach: 3935.1
Hobbs: 5434.9

Maintenance Record (Airframe)

Workorder reference: 2688

R&R RH tire P/N 156E66-4 S/N 31700001 & tube P/N GL-1520B Disassembled, Cleaned, Inspected, Greased, and Reassembled bearings. All work performed IAW Diamond DA42 AMM.

White, Gabe *[Signature]* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 12/9/2024
TTA: 3940.8
Tach: 3940.8
Hobbs: 5511.4

Maintenance Record (Airframe)

Workorder reference: 2689

R&R LH brake linings P/N 066-10500 (x4) Bled LH Brakes. Performed brake in brakes procedure. Repaired LH pop-out window lock hinge. Ops checks good. All work Performed IAW Diamond DA42 AMM.

White, Gabe *[Signature]* A&P 4195784 END

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42.AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 2/3/2025
TTA: 3954.5
Tach: 3954.5
Hobbs: 5511.4

Maintenance Record (Airframe)

Workorder reference: 2697

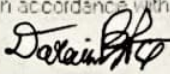
R&R RH Aft Position Lamp P/N 34-0428070-64. All work performed IAW Diamond DA40 AMM. Ops check good.

White, Gabe *[Signature]* A&P 4195784 END

PAGE TOTALS

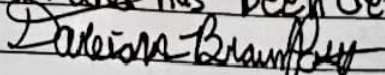
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		NAME/ SIGNATURE	LICENCE: AME or AMO/ACA
Reg: N629SA	NexGen Aviation	Date:	3/21/2025
Model: DIAMOND AIRCRAFT IND DA 4.	4144 Aviator Rd, Suite 100	TTA:	3972.9
SN: 42 AC011	Lexington, KY 40510	Tach:	3972.9
Maintenance Record (Airframe)		Hobbs:	5511.4
WO# 2716			
-Removed & Installed new cabin speaker, P/N: DAI-9023-10-01, ops. ck. good -Removed & Installed new RH MLG Brake linings, P/N: 066-10500. -Resealed RH MLG Caliper, P/N: MS28775-222. Bled brakes. ops ck. good. -Inspected the ELT IAW FAR 91.207 D. Battery EXP Date MAY2030. -C/W AD 2021-22-03 per WI-MSB 42-136 & WI-MSB 42NG-078. No defects noted. Repetitive INSP's every 200hrs. TIS. Next due @ Tach 4172.9 -C/W AD 2024-06-13 (J)(1) per DAI MSB 42-143/1 & DAI MSB 42NG-086/1. Repetitive INSP's every 200 hrs. TIS. Next due @ Tach 4172.9 -All AD's current. -All ops. cks. good.			
Performed 100 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 42 NG Mx Checklist to include the scope & detail of FAR Part 43 Appendix D.			
I certify that this Airframe has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition.			
 Braun-Porter, Doreian A&P 3917311 IA			

Reg: N629SA	NexGen Aviation	Date:	4/9/2025
Model: DIAMOND AIRCRAFT IND DA 4.	4144 Aviator Rd, Suite 100	TTA:	3980.7
SN: 42 AC011	Lexington, KY 40510	Tach:	3980.7
Maintenance Record (Airframe)		Hobbs:	5511.4
Workorder #: 2723			
-LH White Anti-collision light burned out. Removed & Replaced with new Bulb, P/N: 34-0426070-64. Ops. ck. good.			
I State that this Airframe has been repaired in accordance with Diamond DA42 AMM and has been determined to be okay for service.			
 Braun-Porter, Doreian A&P 3917311 IA			

N629SA 15 May 25 Tach: 4,026.00 Hobbs: 5511.40
 Removed and Installed New LH MLG Tire & Tube, P/N's
 156EG6-4, GL-1520B.

I state that this Airframe has been repaired IAW Diamond DA42
 AMM and has been determined to be okay for service.

 A&P 3917311 IA

1: Airframe Log

DATE
/ /

AIR TIME		LANDINGS / CYCLES	
DAILY TOTAL	TOTAL	DAILY TOTAL	TOTAL

DETAILS OF TASK
(INSPECTION REPAIRS & REPLACEMENT)

Date: 21/MAY/2025
AC: N629SA

WO: A25092

Type: DIAMOND DA42

AC SN: 42.AC011

TTL TIME: 4029.5

1. Removed defective Garmin MFD P/N 011-00972-03 S/N 88904873 and replaced with overhauled Garmin MFD P/N 011-00972-03 S/N 88904267 using Garmin DA42 Line Maintenance Manual P/N 190-00303-04 Rev. G dated October 8, 2019, as a guide. Reference Garmin WO# 17811996.

END

MAINTENANCE RELEASE

The aircraft identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. "Pertinent" details of the repair are on file at this agency under Work Order: A25092 Date: 21/MAY/2025

Signed: *[Signature]*

For CRS: R81R199Y

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 7/18/2025
TTA: 4053.7
Tach: 4053.7
Hobbs: 5511.4

Maintenance Record (Airframe)

Workorder #: 2778

- Removed and Reinstalled Rudder after repair, IAW Diamond DA42 AMM 55-40.
- Performed a resin fill in repair and slight paint touch up of the mid section on the RH side of the Rudder. In REF to Diamond DA42 AMM 51-20 & 51-60. Work performed by TBAM of LEX, KY. For more details see WO#F25202.

I State that this Airframe has been Serviced in accordance with Diamond DA42 AMM and has been determined to be okay for service.

[Signature]

Braun-Porter, Darcian
A&P 3917311 IA

Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

Date: 8/26/2025
TTA: 4067.5
Tach: 4067.5
Hobbs: 5511.4

Maintenance Record (Airframe)

Workorder #: 2803

- Removed & Replaced both RH & LH Brake Caliper Linings & Rivets, P/N's: 066-10500 & 105-00200.
- Removed, Cleaned, Inspected, Installed new Packings, & Reinstalled both RH & LH Brake Calipers, P/N: MS28775-222.
- Bled Brake Sys. ops ck. & leak ck all good.

I State that this Airframe has been Serviced in accordance with Diamond DA40 AMM and has been determined to be okay for service.

[Signature]

Braun-Porter, Darcian
A&P 3917311 IA

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TOTALS

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Reg: N629SA
Model: DIAMOND AIRCRAFT IND DA 4:
SN: 42AC011

NexGen Aviation
4144 Aviator Rd, Suite 100
Lexington, KY 40510

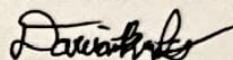
Date: 9/17/2025
TTA: 4070.6
Tach: 4070.6
Hobbs: 5511.4

Maintenance Record (Airframe)

Workorder reference: 2817

- Opened inspection panels and fairings for inspection.
- Repaired LH INBRD Flap Control Rod Bonding Straps.
- Removed & Replaced with new the RH FWD Wing "No Step" Placard, P/N: DA4-1123-10-02.
- Removed & Replaced with new the "De-ice" Placard, P/N: D60-1123-20-09.
- Tested all exterior and interior lights.
- Removed & Installed new Flood Light Assy, P/N: DA4-3311-10-02.
- Removed & Replaced with new the "Up" Flap Bulb, P/N: T4.624-20.
- C/W with Airframe Lube Chart.
- Applied new velcro to the Pilot Side Floor Carpet.
- Weighed fire extinguisher.
- Installed ASA CO detector. Next due 09/2026.
- Inspected the ELT IAW FAR 91.207 D. Battery EXP Date MAY2030.
- All AD's current.
- Post MX ground run, ops. cks. & leak cks., all good.
- Performed Annual Inspection in accordance with Diamond DA 42 TDI 100hr. Checklist to include the scope & detail of FAR Part 43 Appendix D.

I certify that this Airframe has been inspected in accordance with a ANNUAL inspection and has been determined to be in airworthy condition.



Braun-Porter, Dareian
A&P 3917311 IA