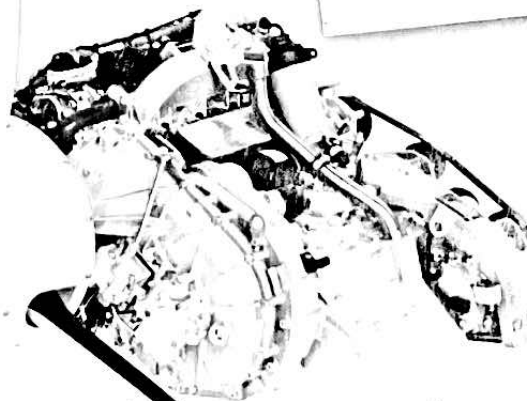


LOGBUCH MOTOREN

ENGINE LOGBOOK



Use this book please



NG298A RH

S/N 02-02-05055

Motor-Logbuch Nr.:
Engine Log Book:

1

für Kolbenmotor
for piston engine

Baumuster:
Type of engine:

TAE 125

Baureihe:
Model:

02-99

Motor-Nr.:
Engine serial no:

02-02-05055

Hersteller:
Manufacturer:

Continental Aerospace Technologies GmbH
Platanenstraße 14, D-09356 St. Egidien / Germany
Phone: +49 (0)37204 696-0, Fax: -2912

Baujahr:

2019

Year of manufacture:

Kennblatt:
Data sheet:

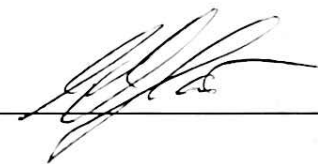
TCDS EASA.E.055 - Issue 11 - 18 October 2017

ATA-NR.:05-7200-K000302
(Diamond 28V-DA42)


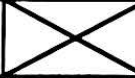
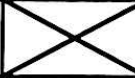


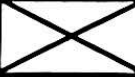
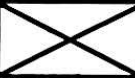
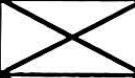
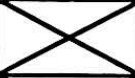



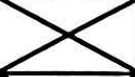
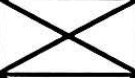

ov 2031

Datum:
Date:

Unterschrift:
Signature:




Motor - Hauptkomponenten / *Engine main compenents*

<div> <div>Bezeichnung Designation</div> <div>12. NOV. 2019 </div> </div>	P/N: Part number:	S/N: Serial number:	TSN: Time since new:	TSI: Time since inspection:
Motor / Engine:	05-7200-K000302	02-02-05055	0:00	
ZMS / Dual mass flywheel:	05-7211-K018302	33702	0:00	
Hochdruckpumpe / High pressure pump:	05-7312-K005303	6446	0:00	
Vorförderpumpe / Feed pump:	05-7312-K017703	12570	0:00	
Getriebe / Gearbox:	05-7212-K041703	04376	0:00	
FADEC:	05-7611-E001904	11650	0:00	
Firmware:	05-7610-E001003	D4-v1.40*		
Mapping:	52-7610-E012102	F28D142DA42*		
Kabelbaum / Engine Loom:	05-7150-E000904	03278	0:00	
Alternator:	05-7150-E001901	03766	0:00	
Turbolader / Turbocharger:	05-7241-K026601	21902	0:00	
Raildruckventil / Rail pressure valve:	05-7320-E000703	None	0:00	

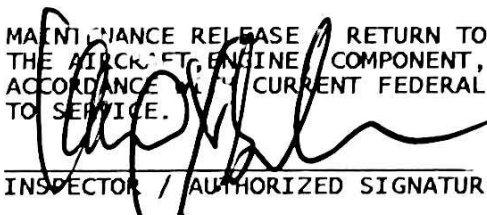
Änderungsstand / Modification record

TTE:	Technische Mitteilung / Service Bulletin	LTA / AD:	Revision:	durchgeführt / performed:	Datum / Date:	Unterschrift: Signature:
0:00	TM TAE 000-0004		R253	manual in compliance TM TAE 000-0004 rev 253		
0:00	TM TAE 000-0007	2012-0116	R40	implemented during production		
0:00	TM TAE 125-0001		R21	lifetime information		
0:00	TM TAE 125-1001 P1		R1	not applicable		
0:00	TM TAE 125-1003 P1		R1	not applicable		
0:00	TM TAE 125-1004 P1		R0	implemented during production		
0:00	TM TAE 125-1005 P1	2008-0056R1-E	R3	not applicable		
0:00	TM TAE 125-1006 P1	2008-0106-E	R1	not applicable (dual mass flywheel installed)		
0:00	TM TAE 125-1007 P1	2009-0224	R3	not applicable	NOV 13 2019	
0:00	TM TAE 125-1008 P1	2008-0215	R1	implemented during production		
0:00	TM TAE 125-1009 P1	2009-0224	R4	not applicable		
0:00	TM TAE 125-1010 P1	2010-0136R1	R3	not applicable		
0:00	TM TAE 125-1011 P1	2014-0232	R2	not applicable (dual mass flywheel installed)		
0:00	TM TAE 125-1012 P2		R0	not applicable		
0:00	TM TAE 125-1013 P1	2011-0087-E	R0	not applicable (dual mass flywheel installed)		
0:00	TM TAE 125-1014 P1		R1	not applicable		
0:00	TM TAE 125-1015 P1	2012-0112	R0	not applicable		

Änderungsstand / Modification record

TTE:	Technische Mitteilung / Service Bulletin	LTA / AD:	Revision:	durchgeführt / performed:	Datum / Date:	Unterschrift: Signature:
0:00	TM TAE 125-1017 P1	2013-0279	R3	implemented during production		
0:00	SB TMG 125-1019 P1		R1	not applicable		
0:00	SB TMG 125-1020 P1	2017-0034R1	R1	not applicable		
0:00	SB TMG 125-1021 P1		R1	not applicable		
0:00	SB TMG 125-1022 P1		R0	not applicable	NOV 13 2019	
0:00	SB TMG 125-1025 P1		R1	not applicable		
47,6	SB CG 125-1027 P1	AD 2021-0022	R1	performed by Continental Aerospace Technologies GmbH Approval no. DE.145.0577	21. JUNI 2021	
47,6	TM TAE 000-0007	2012-0116	R48			

Wartungsübersicht / Maintenance record

Datum: <i>Date:</i>	Betriebsstunden des Motors: <i>Engine hours:</i>		Durchgeführte Arbeiten: <i>Work performed:</i>
	Time since new TSN:	Time since inspection TSI:	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Lowe Aviation Services LLC 500 Aviation Way B5 Peachtree City, Georgia 30269 2LOR017D LOG ID# 1720 XXXXXXXXXX WO# 51580/1 REF# 51580 N629SA S/N 42.AC011 DIAMOND AIRCRAFT IND DA 42 TACH 3151.4 </div> <div style="text-align: right; font-weight: bold;">Pg 1 / 1</div>			
INSTALLED NEW RH ENGINE 125-02-99 S/N 02-02-05055 ON N629SA SN: 42AC.011. ETT: 0			
INSPECTED ENGINE USING A CHECKLIST PREPARED IN ACCORDANCE WITH FAR 43 APPENDIX D. SERVICED RIGHT ENGINE WITH 6 QUARTS OF ULTRA DIESEL 10W40. SERVICED GEARBOX WITH 1 LITER OF CENTURION N1 GEARBOX OIL. REMOVED MANIFOLD PRESSURE HOSES TO ECU. FABRICATED NEW HOSES FOR AND RH ECU FROM -3 STRATOFLEX HOSE AND FITTINGS. GROUND RAN ENGINES AND SET PPRV PRESSURE. ENGINE RUN AND LEAK CHECK OK AT THIS TIME. ALL WORK IN REFERENCE WITH DIAMOND DA42 100-00-000-000 TECHNIFY RM-02-02.			
REMOVED AND REPLACED 2 EACH ALTERNATOR EXCITATION BATTERY PN: LC-R121R3P. OPERATIONAL CHECK GOOD. NEXT REPLACEMENT DUE 12 MONTHS TIME IN SERVICE. WORK PERFORMED IN REFERENCE WITH DA42 AMM.			
REMOVED AND REPLACED 4 EACH ECU BACKUP BATTERY PN: LC-R127R2P. NEXT REPLACEMENT DUE 12 MONTHS TIME IN SERVICE. OPERATIONAL CHECK GOOD. WORK PERFORMED IN REFERENCE WITH DA42 AMM.			
COMPLIED WITH AD 2018-10-10 BY INSPECTION OF TAIL PIPE AND BRACKET. BOTH LEFT HAND AND RIGHT-HAND TAIL PIPE FAILED INSPECTION DUE TO THE HEAT SHIELD BEING LOOSE AT 5101 2170 4.			
INSTALLED NEW RH TAIL PIPE PN: 52-7810-H000104 SN: 496 AND LH TAIL PIPE PN: 52-7810-H000104 SN: 511. WORK PERFORMED IN REFERENCE WITH DA42 AMM. NEXT BRACKET INSPECTION DUE AFTT 3170 4.			
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN REFERENCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE. AD'S CHECKED THROUGH FAA AND ARE CURRENT AS OF THIS DATE.			
MAINTENANCE RELEASE RETURN TO SERVICE CRS# 2LOR017D THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE.			
 INSPECTOR / AUTHORIZED SIGNATURE		2LOR017D CERTIFICATE #	06-01-2020 DATE

Teile- u. S

Part no.:

ENGINE MODEL:
TAE-125-02-99
ENGINE S/N (R):
02-02-05055
REG. NO: 629SA
WORK ORDER:
8962-06-2020



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/15/2020
A/C TSN: 3155.6
ENG TT (R): 4.2
FLIGHTTIME: 3155.6

ts

Datum, Unterschrift &
Lizenznummer:

Date, Signature &
license no.:

Right Engine Entries

(40) RE SECURED RH ENGINE HP FUEL PUMP LINE FITTING IAW AC43.13-1B CH 7.
(42) REPLACED RH ENGINE COOLANT TANK UPPER SHOCK MOUNT WITH NEW NM-0000-0024601 AND SUPPORT CLAMP PN NM-0000-012401 IAW DA42 TDI MM CH 75-00.
(77) C/W DIAMOND RSB-42-097 INSTALLATION OF MAPP ELBOW FITTINGS ON RH ENGINE.

DATE: 10/15/2020

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8962-06-2020

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
TAE-125-02-99
ENGINE S/N (R):
02-02-05055
REG. NO: 629SA
WORK ORDER:
8962-06-2020



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/20/2020
A/C TSN: 3156.1
ENG TT (R): 4.7
FLIGHTTIME: 3156.1

Right Engine Entries

(98) C/W 5 HR INSPECTION ON LH ENG SINCE NEW. REPLACED GEAR BOX OIL FILTER WITH NEW PN 03-7212-K004001 IAW TECHNIFY OM 02-02 MM CH 6 AND RM 02-02 MM CH 72-00. NO DEFECTS NOTED AT THIS TIME.

DATE: 10/20/2020

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8962-06-2020

Printed by EBis 3 (datcomedia.com)

Datum: Date:	Beti
	Tim

Right Engine logbook entry for N629SA
 Engine model TAE 125-02-99 S/N 02-02-05055
 10 December 2020 Tach = 3188.8 and TSN = 37.4
 Updated ECU A/B to firmware version D4-V1.80 and mapping version
 DA42 28V DM, F28D180DA42 per OM-02-02 I5R2 annex 17.

Brian S. Fisher
 Brian S. Fisher AP3671341IA

Right Engine logbook entry for N629SA
 Engine model TAE 125-02-99 S/N 02-02-05055
 12 January 2021 Tach = 3192.4
 Installed new Cam 1 sensor P/N 05-3940-K000101 per RM-02-02 Chapter
 39-40.03. Run up and leak checks were normal.

Brian S. Fisher
 Brian S. Fisher AP3671341IA

Make: Continental Aerospace Technologies
Model: TAE 125-02-99
Serial No.: 02-02-05055



Date: 2/19/2021
Tach Time: 3199.0
Total Time: 47.6

Continental Services, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B
 The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in unairworthy condition with respect to the work performed.

Work Performed Right: This engine was removed from the RH position of Diamond DA42 SN 42.AC011 N629SA.-----
END-----

Authorized Signature for Repair Station 9CER853B:

Don Budick

Details of the work performed are on file under Work Order No. AC-10032

Make: Continental Aerospace Technologies
Model: TAE 125-02-99
Serial No.: 02-02-05055



Date: 11/3/2021
Tach Time: 3199.0
Total Time: 47.6

Continental Services, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

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

Work Performed Right: This engine was reinstalled in the RH position of Diamond DA42 SN 42.AC011 N629SA. Engine was serviced with engine oil, gearbox oil and coolant. COMPLETED AN ANNUAL INSPECTION IN ACCORDANCE WITH THE SCOPE AND DETAIL OF THE ITEMS LISTED IN 14 CFR 43 APPENDIX D USING THE DIAMOND AIRCRAFT INDUSTRIES DA42 SERIES AMM MAINTENANCE PRACTICES CHECKLISTS AS A GUIDE. Complied with AD 2018-10-10 by installation of exhaust support bracket. Repetitive inspection is due at 3699.0 tach time. Completed ground operational checks. ---END---

Authorized Signature for Repair Station 9CER853B: 

Details of the work performed are on file under Work Order No. AC-10387

Make: Continental Aerospace Technologies
Model: TAE 125-02-99
Serial No.: 02-02-05055



Date: 11/8/2021
Tach Time: 3202.6
Total Time: 451.2

Continental Services, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition with respect to the work performed.

Work Performed Right: PERFORMED 3-6 HOUR POST INSTALLATION. EXCHANGED GEARBOX FLUID AND FILTER.-----END-----

Authorized Signature for Repair Station 9CER853B: 

Details of the work performed are on file under Work Order No. AC-10032

Datur
Date.




Going your way every day since 1957
Right Engine Logbook Entry

Date: 2-25-2022
TSMOH: 145.1

Aircraft: N629SA
TTAF: 3296.5

SN: 42.AC011
Tach: 3296.5

100 hour inspection completed this date. Installed 100 hour service kits p/n 05-9900-S000108. Complied with fuel filter replacement. Complied with Gearbox filter replacement. Complied with proportional pressure reducing valve inspection. Engine oil changed using Aeroshell Diesel Ultra. Gearbox oil changed using Centurion N1 p/n NV-0000-0221701. AD's checked thru CD2022-04. Runup and leak check good. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.


A&P3296474IA
CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE



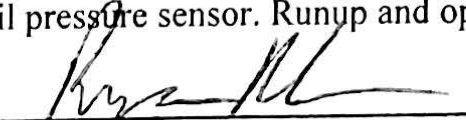
Going your way every day since 1957
Aircraft Logbook Entry

Date: 4-28-2022
TSMOH:

Aircraft: N629SA
TTAF:

SN: 42.AC011
Tach: 3335.6

Completed download of the right engine and reset ECU. Cleaned connectors for the P rail sensor and the #4 fuel injector. Reseated the oil pressure sensor. Runup and operational checks good.


A&P3296474IA
CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE



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Aircraft Logbook Entry

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ner:
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o.:

Date: 7-22-2022
TSMOH: 244.8

Aircraft: N629SA
TTAF: 3396.2

SN: 42.AC011
Tach: 3396.2

100/200/Annual inspection completed this date. Completed all 100 hour requirements per the Continental CD-135 maintenance manual. Replaced fuel filter elements and gearbox elements included in 100 hour kit p/n 05-9900-S000108. Drained and serviced engine oil with new 5W50 Diesel Ultra. Drained and replaced gearbox oil with new p/n NV-0000-0221701 Centurian N1 Gearbox oil. Checked Proportional pressure reducing valve. AD's checked thru CD2022-14. Complied with AD2018-10-10 by inspection of the tail pipe and clamps. 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: Continental 02-99

SN: 02-02-05056

TTE: 294.7 TSMOH: 294.7

NexGen Aviation

4144 Aviator Rd, Suite 100

Lexington, KY 40510

Date: 11/17/2022

TTA: 3446.1

Tach: 3446.1

Hobbs: 4628.4

Maintenance Record Engine(Right)

Removed R/H engine cowlings. Serviced R/H engine gearbox oil. Reinstalled R/H engine cowlings. Leak check good.

Russell Letcher
A&P 4175600

Datur
Date:



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Right Engine Logbook Entry

Date: 2-10-2023
TSMOH: 334.8

Aircraft: N629SA
TTAF: 3486.2

SN: 42.AC011
Tach: 3486.2

100 hour inspection completed this date. Installed 100 hour service kits p/n 05-9900-S000108. Complied with fuel filter replacement. Complied with Gearbox filter replacement. Complied with proportional pressure reducing valve inspection. Engine oil changed using Aeroshell Diesel Ultra. Gearbox oil changed using Centurion N1 p/n NV-0000-0221701. AD's checked thru CD2022-04. Runup and leak check good. I certify that this engine has been inspected in accordance with a 100 hour 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



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Right engine Logbook Entry

rschrift &
nmer:
ature &
no.:

Date: 5-26-2023
TSMOH: 394.6

Aircraft: N629SA
TTAF: 3546.0

SN: 42.AC011
Tach: 3546.0

100 hour inspection complied with this date. Complied with all 100 hour requirements per the Continental CD-135 maintenance manual. Replaced Fuel filter and gearbox filter with new included in the 100 hour kit p/n 05-9900-S000108. Changed engine oil using 5W50 Diesel Ultra. Changed gearbox oil using Centurian N1 gearbox oil. Inspected proportional pressure reducing valve. AD's checked thru CD2023-11. Complied with AD2018-10-10 by inspection of the tailpipe and clamping. Removed tailpipe assembly and repaired the shielding weld with a one-time repair per WI-OSB42-131. Runup and operational test good. I certify that this engine has been inspected in accordance with an 100 hour 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

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C



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Aircraft Logbook Entry

Date: 9-25-2023
TTE: 449.1

Aircraft: N629SA
TTAF: 3600.5

SN: 42.AC011
Tach: 3600.5

Annual inspection completed this date. Complied with 100/200 hour requirements. Complied with Continental 100 hour inspection criteria using kit p/n 05-9900-S000108. Replaced gearbox oil with new p/n NV-0000-0221701. Replaced gearbox filter with new. Replaced engine oil with new 5W50 Diesel Ultra. AD's checked thru CD2023-16. Complied with AD2018-10-10 by inspection of the exhaust and clamping. 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&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: 02-99

SN: 02-02-05055

TTE: 520.7 TSMOH: 520.7

NexGen Aviation

4144 Aviator Rd, Suite 100

Lexington, KY 40510

Maintenance Engine (RIGHT)

Date: 2/1/2024

TTA: 3672.1

Tach: 3672.1

Hobbs: 5007.1

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. All work was performed IAW Diamond DA42 AMM. Kaleb Wade A&P# 4529292-----END-----

Reg: N629SA
Model: 02-99
SN: 02-02-05055
TTE: 536.4 TSMOH: 536.4


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

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

Maintenance Engine (RIGHT)

Workorder reference: 2559

Removed RH engine upper cowlings. Serviced RH engine gearbox oil. Reinstalled RH engine cowlings. Ran engines, leak/ops checks were good.

Kaleb Wade  A&P# 4529292-----END-----



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Right Engine Logbook Entry

Date: 3-20-2024
TSMOH: 551.2

Aircraft: N629SA
TTAF: 3702.6

SN: 42.AC011
Tach: 3702.6

100 hour inspection completed this date. Changed engine oil using 5W30 Diesel Ultra. Changed gearbox oil using Centurian N1 p/n NV-0000-0221701. Changed gearbox, fuel, and oil filters using 100 hour kit p/n 05-9900-S000108. Complied with Proportional pressure reducing valve inspection. Complied with Dual mass flywheel inspection. Replaced alternator with an overhauled unit p/n 05-7150-E001902 s/n 02599F. Replaced high pressure fuel pump with an overhauled unit p/n 05-7312-K005303 s/n 5858. Replaced rail pressure control valve with a new unit p/n 05-7320-E000703. Replaced coolant using Zerex G48 coolant. Runup and operational check good. I certify that this engine has been inspected in accordance with a 100 hour 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: 02-99
SN: 02-02-05055
TTE: 553.6 TSMOH: 553.6

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

Date: 4/8/2024
TTA: 3705.0
Tach: 3705.0
Hobbs: 5059.9

Maintenance Engine (RIGHT)

Removed RH engine upper cowlings. Serviced RH engine gearbox oil. Reinstalled RH engine cowlings. Ran engines, leak/ops checks were good.
-----White, Gabe  A&P 4195784-----END-----

Reg: N629SA
Model: 02-99
SN: 02-02-05055
TTE: 652 TSMOH: 652

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

Date: 7/16/2024
TTA: 3803.4
Tach: 3803.4
Hobbs: 5239.8

Maintenance Engine (RIGHT)

Performed a 100 hour inspection IAW 14 CFR Part 43, Appendix D, using Diamond DA42 AMM and Continental RM and OM as a guide
Changed Engine Oil W/ 5W30 Diesel Ultra. Changed Gearbox Oil W/ Centurian N1 P/N NV-0000-0221701. Changed Gearbox, Fuel, and Oil Filters
using 100hr Kit P/N 05-9900-S000108. C/W Proportional Pressure Reducing Valve inspection. Ops checks good.
All work performed IAW DA42 AMM, Continental RM and OM, and MT prop manual
I certify that this Engine 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

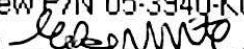


Reg: N629SA
Model: 02-99
SN: 02-02-05055
TTE: 722.3 TSMOH: 722.3

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

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

Maintenance Engine (RIGHT)

Workorder reference: 2664
R&R Injector #3 W/ New P/N 05-3940-K003501. All work performed IAW RM-02-02 & OM-02-02. leak/ops check good.
-----White, Gabe  A&P 4195784-----END-----



Going your way every day since 1957
Aircraft Logbook Entry

Unterschrift &
znummer:
Signature &
ense no.:

Date: 11-1-2024
TSMOH: 738.9

Aircraft: N629SA
TTAF: 3890.3

SN: 42.AC011
Tach: 3890.3

Annual inspection completed this date. All 100 and 200 hour inspections complied with. Oil changed using 5W30 Diesel Ultra. Gearbox oil changed using Centurian N1. Installed 100 hour kit p/n 05-9900-S000108. Complied with proportional pressure reducing valve inspection. Complied with gearbox filter replacement pre 100 hour kit. Complied with fuel filter replacement per 100 hour kit. AD's checked thru CD2020-24. Complied with AD2018-10-10 by inspection of the exhaust and clamping. Runup and leak test good. 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: 02-99

SN: 02-02-05055

TTE: 775.5 TSMOH: 775.5

NexGen Aviation

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Maintenance Engine (RIGHT)

Date	12/3/2024
TTA	3926.9
Tach	3926.9
Hobbs	5434.9

Workorder Reference: 2686

Removed RH engine upper cowlings. Serviced RH engine gearbox oil. Reinstalled RH engine cowlings. Ran engine: leak/ops checks were good.

White, Gabe A&P 4195784-----END-----

Wartungsübersicht / Maintenance record

Datum: Date:	Betriebsstunden des Motors: Engine hours:		Durchgeführte Arbeiten: Work performed:
	Time since new TSN:	Time since inspection TSI:	

Reg: N629SA
Model: 02-99
SN: 02-02-05055
TTE: 809.3 TSMOH: 809.3

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

Maintenance Engine (RIGHT)

Date: 2/20/2025
TTA: 3960.7
Tach: 3960.7
Hobbs: 5511.4

Nexgen WO#:2703

Serviced RH Engine gearbox oils with N1 Centurion Gerabox oil.
Replaced RH Engine turb charger to intercooler clamps.

Performed a Discrepancy Repair inspection in accordance with DIAMOND AIRCRAFT IND DA 42 maintenance manual and Part 43 Appendix D.
I state this Engine is okay for return to service.

Dale Porter

Braun-Porter, Dareian
AIP 3917311 IA

Austausch von Ausrüstungsteilen / Exchange of equipments

Teile- u. Seriennummer:	Bezeichnung:	Einbau: In:	Ausbau: Out:	Datum, Unterschrift & Lizenznummer:
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N629SA	NexGen Aviation	Date:	3/5/2025
el: Continental 02-99	4144 Aviator Rd, Suite 100	TTA:	3960.7
02-02-05056	Lexington, KY 40510	Tach:	3960.7
809.3 TSMOH: 809.3	Maintenance Record Engine(Right)	Hobbs:	5511.4


rk #: 2712 TBAM WO#: F25617

vised RH Engine coolants per Diamond DA42 NG AMM 12-10-00 (A), with G48 Coolant. Ops ck good.

tate that this Engine has been inspected in accordance with a Discrepancy Repair inspection and has been determined to be okay for service.

 Braun-Porter, Darian
AA3917311 IA

Wartungsübersicht / Maintenance record

Datum: Date:	Betriebsstunden des Motors: Engine hours:		Durchgeführte Arbeiten: Work performed:	
	Time since new TSN:	Time since inspection TSI:		
Reg: N6299A			NexGen Aviation	Date: 3/25/2025
Model: Continental 02-99			4144 Aviator Rd, Suite 100	TTA: 3972.9
SN: 02-02-05055			Lexington, KY 40510	Tach: 3972.9
TTE: 821.5 TSMOH: 0			Maintenance Record Engine(Right)	Hobbs: 5511.4
WO#: 2716				
			-Installed all items that applied to Engine from the 100Hr. kit, P/N: 05-9900-S000108.	
			-Drained Engine oil, Replaced filter (P/N: 05-7253-K004401), Inspected old filter no noted contaminants, Serviced Engine oil with Aeroshell Diesel Ultra 5W30.	
			-Drained Gearbox oil, Replaced filter (P/N: 03-7212-K004001), Inspected old filter no noted contaminants, Serviced Gearbox oil with Centurian N1.	
			-Replaced Fuel filter (P/N: 05-7310-K002001), Inspected old filter no noted contaminants.	
			-Performed proportional pressure reducing valve inspection.	
			-Inspected Coolant mixture ratio & performed pressure test of the Coolant Sys.	
			-Removed & Installed new vibration dampers for the coolant tank & water cooler, P/N's: NM-0000-0023101 & NM-0000-0159101.	
			-Removed & Installed new clamp assy for the turbo pipe assy, P/N: NM-0000-0050401.	
			-C/W AD2018-10-10 per WI-MSB 42-120, Installed new INBRD EXH Clamp, (P/N: D60-7806-00-01), Next EXH SYS 500hr. INSP is due at Tach 4472.9, EXH Clamp 25hr INSP is due at Tach 3997.9.	
			-All AD's current.	
			-Ran Engine ops. cks. & leak cks good. Downloaded FADEC Real Time & Event Logs & submitted them to Continental.	
			Performed 100 hour inspections IAW Diamond DA42 NG Mx Checklist & Continental CD-135 Checklist to include the scope & detail of FAR Part 43 Appendix D.	
			I certify that this Engine has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition.	
			 Braun-Porter, Darelan A&P 3917311 IA	

Austausch von Ausrüstungsteilen / Exchange of equipments

Teilenummer / Seriennummer	Bezeichnung:	Einbau:	Ausbau:	Datum, Unterschrift &
Reg: N62354	NexGen Aviation		Date:	4/21/2025
Model: 02-99	4144 Aviator Rd, Suite 100		TTA:	3994.6
SN: 02-02-05065	Lexington, KY 40510		Tach:	3994.6
TTE: 843.2 TSMOH: 843.2	Maintenance Engine (RIGHT)		Hobbs:	5511.4

Workorder #: 2731

-- AD 2018-10-10 C/W Inspection. Repetitive inspection due thereafter at intervals not to exceed 500 hours TIS due at Tach 4472.9. Did inspection following III.3 Action 3 Inspection of exhaust clamp for cracks IAW WI-MSB 42-120, Revision 3, dated July 6, 2017, or Revision 4, dated December 20, 2017 every 25hr TIS due at tach 4019.60.

I State that this Engine has been serviced in accordance with Continental OM-02-02 MM and has been determined to be okay for service.



Braun-Porter, Dareian
A&P 3917311 IA

Reg: N629SA	NexGen Aviation	Date:	6/3/2025
Model: 02-99	4144 Aviator Rd, Suite 100	TTA:	4044.5
SN: 02-02-05055	Lexington, KY 40510	Tach:	4044.5
TTE: 893.1 TSMOH: 893.1	Maintenance Engine (RIGHT)	Hobbs:	5511.4

Workorder #: 2753

-- AD 2018-10-10 C/W Inspection. Did inspection following III.3 Action 3 Inspection of exhaust clamp for cracks IAW WI-MSB 42-120, Revision 3, dated July 6, 2017, or Revision 4, dated December 20, 2017. Next INSP Due 25hr TIS due at tach 4069.5.

I State that this Engine has been serviced in accordance with Continental OM-02-02 MM and has been determined to be okay for service.



Braun-Porter, Dareian
A&P 3917311 IA

Wartungsübersicht / Maintenance record

Betriebsstunden des Motors:

Reg: N629SA

Model: 02-99

SN: 02-02-05055

TTE: 902.3 TSMOH: 902.3

NexGen Aviation

4144 Aviator Rd, Suite 100

Lexington, KY 40510

Date: 7/24/2025

TTA: 4053.7

Tach: 4053.7

Hobbs: 5511.4

Maintenance Engine (RIGHT)

Workorder #:2783

--Removed & Replaced with new the Boost Control valve Filter, P/M: 02-7240-05300R1.

--Removed & Replaced with new the Induction Filter, P/N: RB-0700.

I State that this Engine has been Serviced in accordance with Diamond DA42 AMM, Continantal OM-02-02, & RM-02-02 and has been determined to be okay for service.



Braun-Porter, Dareian
A&P 3917311 IA

Austausch von Ausrüstungsteilen / Exchange of equipments

Teile- u. Seriennummer:

Bezeichnung:

Einbau:

Ausbau:

Datum, Unterschrift&

Reg: N629SA

NexGen Aviation

Date: 9/17/2025

Model: Continental 02-99

4144 Aviator Rd, Suite 100

TTA: 4070.6

SN: 02-02-05055

Lexington, KY 40510

Tach: 4070.6

TTE: 919.2 TSMOH: 919.2

Maintenance Record Engine(RIGHT)

Hobbs: 5511.4

Workorder #: 2817

-Performed Pre-MX ground run & ops. cks.

-Drained Engine oil, Replaced filter (P/N: 05-7253-K004401), Inspected old filter no noted contaminants, Serviced Engine oil with Aeroshell Diesel Ultra 5W30.

-Drained Gearbox oil, Replaced filter (P/N: 03-7212-K004001), Inspected old filter no noted contaminants, Serviced Gearbox oil with Centurian N1

-Replaced Fuel filter (P/N: 05-7310-K002001), Inspected old filter no noted contaminants.

-Installed all items that applied to Engine from the 100Hr. kit, P/N: 05-9900-S000108.

-Performed proportional pressure reducing valve inspection.

-Inspected Coolant mixture ratio & performed pressure test of the Coolant Sys.

-C/W AD2018-10-10 per W1-MSB 42-120. Installed new INBRD EXH Clamp, (P/N:D60-7806-00-01). Next EXH SYS 500hr. INSP is due at Tach 4472.9. EXH Clamp 25hr INSP is due at Tach 4095.6. --All AD's current.

-Post MX ground run, ops. cks. & leak cks, all good. Downloaded FADEC Real Time & Event Logs & submitted them to Continental.

-Performed Annual Inspection IAW Diamond DA42 TDI 100hr. Checklist & Continental CD-135 OMM 100 Hr., 200 Hr., & 900 Hr. Checklists to include the scope & detail of FAR Part 43 Appendix D.

I certify that this Engine 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

Wartungsübersicht / Maintenance record

Model: Continental 02-99

SN: 02-02-05055

TTE: 928.6 TSMOH: 928.6

4144 Aviator Rd, Suite 100

Lexington, KY 40510

Maintenance Record Engine(Right)

TTA: 4080.0

Tach: 4080.0

Hobbs: 5511.4

Workorder #: 2828

--RH Gearbox oil needed to be topped off. Used Centurion Gearbox Oil N1, P/N:NV-000-0221701.

I State that this Engine has been serviced in accordance with Diamond DA42 AMM, Continental OM-02-02 and has been determined to be okay for service.



Braun-Porter, Dareian
A&P 3917311 IA
