

N5996B
Log #1

LYCOMING

ENGINE LOG

Closed

SSP-1872-1

1. Approving National Aviation Authority/Country
2. AUTHORITY
FAA/UNITED STATES
FAA FORM

4. ORGANIZATION NAME AND ADDRESS
Lycoming Engines, 652 Oliver St., W.

6. ITEM 7. DESCRIPTION 8. P/F
1.1 Aircraft Engine ENPL

13. REMARKS ENGINE MODEL: T10-540

AIRWORTHINESS APPROVAL - ENGINE
Limited life parts must be accompanied by maint

14. Certifies the items identified above were manufac

LYCOMING

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING T10 540-AH1A L-13830-61E
MAKE MODEL SERIAL

FROM July 20 12 TO _____ 20 _____

DETAILING TIME FROM _____ TO _____
HOURS HOURS

SSP-1872-1

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October 1994

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by LYCOMING specifications and Federal Aviation Regulations. No further run-in is required. All Applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of manufacture.

MODEL TIO-540-AH1A SERIAL NO. L-13830-61E
 DATE 5/3/12 *[Signature]*
 (AUTHORIZED REPRESENTATIVE)

LYCOMING

LYCOMING ENGINES

632 Oliver Street

Williamsport, PA 17701 U.S.A.

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Form No. 777-C (Rev. 6/10)

ENGINE DESCRIPTION

Mfgr.	LYCOMING	Place	Williamsport, PA 17701	Date
Type		Model		Serial No.
Rated H.P.		Max. H.P.		Weight (Dry)
Rated R.P.M.		Max. R.P.M.		Oil Pressure
Bore		Stroke		Displacement
Compression Ratio		Supercharger Ratio		Cu. In.
Reduction Gear Ratio				
Propeller		Hub Design		Hub Serial No.
Blade Design		Blade Serial No.		Blade Serial No.
Max. Hub H.P.		Max. Blade H.P.		
Pitch		Diameter		Length
Name				
Address				

**Supplemental Log Book Entry
Engine**

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
 Date: 08/23/12 Hobbs: 35.4

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.
END-


 Steven J. Van Antwerp 26154091 A&P

Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
Brought Forward	
Total to Date	

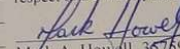
ENGINE LOG

Serial No. _____

**Supplemental Log Book Entry
Engine**

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
 Date: 2/27/13 Hobbs: 77.4

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.
END-


 Mark A. Howell, 3675906, A&P

Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
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Total to Date	

ENGINE LOG
Supplemental Log Book Entry
Annual Engine

Serial No.

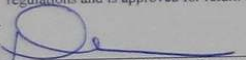
Date

Reg: N599DB
Date: 6/19/13

Model: TIO-540-AH1A
Hobbs: 101.8

S/N: L-13830-61E
TSN: 101.8

Performed **Annual Inspection** in accordance with FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2013-12. Complied with AD11-26-04, Fuel Injection Lines, by Inspection IAW SB342E. Next Due 2018. AD12-19-01, Crankshaft Retirement, N/A by Engine S/N and Crankshaft. AD12-24-09, Turbine Wheel Head and Shaft Weld Joint, N/A by Engine Model Number. Performed Compression test, results as follows: 1>79/80, 2>78/80, 3>79/80, 4>79/80, 5>79/80, 6>79/80. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W15 Oil. Checked Oil Suction Screen. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repaired in accordance with an **Annual Inspection** and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-


David A. Johnson, 3638866 A&P, IA

ENGINE LOG
Supplemental Log Book Entry
Engine

Serial No.

Date

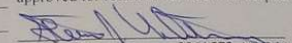
License Number

Reg: N599DB
Date: 10/1/13

Model: TSIO-540-AH1A
Hobbs: 124.6

S/N: L-13830-61E

Adjusted and Sealed Engine Baffles. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed. -END-


Steven J. Van Ahtwerp, 3361572 A&P, IA

Brought Forward
Total to Date

For engine work, the signature of the
Certificated Mechanic, and his Rating and
Certificate Number MUST be shown.

**Supplemental Log Book Entry
Engine**

License
Number

Date: _____
 Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
 Date: 3/10/14 Hobbs: 156.9

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-

W. Nieto
 Wilfredo Nieto, 3676562, A&P

Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
Brought Forward	
Total to Date	

**Supplemental Log Book Entry
Engine**

License
Number

Date: _____
 Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
 Date: 7/22/14 Hobbs: 193.3

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-

M. A. Howell
 Mark A. Howell, 3575406, A&P

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Total to Date	

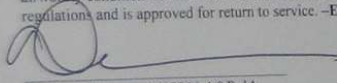
Supplemental Log Book Entry
Annual Engine

Reg: N599DB
Date: 8/26/14

Model: TIO-540-AH1A
Hobbs: 201.4

S/N: L-13830-61E
TSN: 201.4

Performed **Annual Inspection** in accordance with FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2014-17. Complied with AD11-26-04, Fuel Injection Lines, by Inspection IAW SB342G. Next Due 301.4 AD12-19-01, Crankshaft Retirement, N/A by Engine S/N and Crankshaft. AD12-24-09, Turbine Wheel Head and Shaft Weld Joint, N/A by Engine Model Number. AD13-21-02, Turbine Wheel Head and Shaft Welded Joint, N/A by Turbocharger Part Number. Performed Compression test, results as follows: 1>78/80, 2>78/80, 3>79/80, 4>78/80, 5>78/80, 6>7/80. Lubricated Turbocharger Wastegate with Mouse Milk. I certify that this Aircraft Engine has been inspected/repared in accordance with an **Annual Inspection** and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-



David A. Johnson, 3638866 A&P, IA

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	Total to Date

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

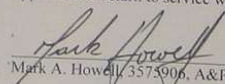
Supplemental Log Book Entry
Engine

Reg: N599DB
Date: 2/4/15

Model: TSIO-540-AH1A
Hobbs: 226.0

S/N: L-13830-61E

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed. -END-


Mark A. Howell, 3573906, A&P

	Page Total
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	Total to Date

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

Date	Time	Signature	License No.
Supplemental Log Book Entry - Annual Engine			
Reg: N599DB	Model: T10-540-AH1A	S/N: L-13830-61E	
Date: 9/2/15	Hobbs: 255.7	TSN: 255.7	

Performed Annual Inspection in accordance with FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2015-17. Complied with AD11-26-04, Fuel Injection Lines, by Inspection IAW SB542G. Next Due 355.7 AD15-02-07, Propeller Governor Idle Shaft Set Screw, N/A by Engine Model. AD15-10-06, Engine Exhaust Pipes and Turbocharger Mounting, N/A by Engine Model. Performed Compression test, results as follows: 1>78/80, 2>78/80, 3>78/80, 4>78/80, 5>78/80, 6>78/80. Removed, Cleaned, Inspected and Reinstalled Oil Suction Screen with new Crush Gasket, P/N MS35769-21. Removed and Replaced #1, #3 and #6 Silicone Rocker Cover Gaskets with new, P/N D8-01316 and torqued to manufacturer specifications. Soaked/Lubricated Engine Turbocharger with B12 Chemical. Removed and Replaced Turbocharger Oil Drain Adapter Gasket with new, P/N L1W18038 and Turbocharger Oil Drain Gasket with new, P/N 77813. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-

Timothy E. Armesy
Timothy E. Armesy, 376503774, A&P

ENGINE LOG

Serial No. _____

Date	Time	Signature	License Number
Supplemental Log Book Entry - Engine			
Reg: N599DB	Model: TS10-540-AH1A	S/N: L-13830-61E	
Date: 3/3/16	Hobbs: 280.1		

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed. -END-

Mark A. Howell
Mark A. Howell, 3575906, A&P

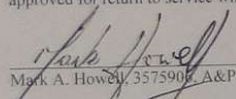
Total to Date

ENGINE LOG
Supplemental Log Book Entry
Engine

Date

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 6/10/16 Hobbs: 315.9

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-


Mark A. Howell, 3575906, A&P

	Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
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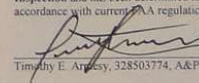
ENGINE LOG
Supplemental Log Book Entry - Annual Engine

Certificat No.

Reg: N599DB Model: T10-540-AH1A S/N: L-13830-61E
Date: 8/5/16 Hobbs: 326.1 TSN: 326.1

License Number

Performed Annual Inspection in accordance with FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2016-16. Complied with AD11-26-04, Fuel Injection Lines, by Inspection IAW SB342G. Next Due 426.1, 1950-S TT. Performed Compression test, results as follows: 1>78/80, 2>78/80, 3>75/80, 4>77/80, 5>72/80, 6>75/80. Removed, Cleaned, Inspected and Reinstalled Oil Suction Screen with new Crush Gasket, P/N MS35769-21. Removed and Replace #1 Cylinder Lower Spark Plug with new, P/N RHB36S. Removed and disassembled Left and Right Magnetos. Reset Left Magneto Internal Timing. Removed and Replaced Right Magneto Points with new, P/N M081 and reset Internal Timing IAW M.M. Reassembled and Reinstalled Left and Right Magnetos with new Magneto Gaskets, P/N LW12681 and Re timed to Engine Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-


Timothy E. Arpsey, 328503774, A&P

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	Total to Date	

ENGINE LOG

Serial No. _____

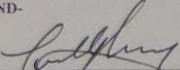
Date _____

Supplemental Log Book Entry Engine

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 12/9/16 Hobbs: 354.4

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and with nothing unusual found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.

END-


Timothy E. Amessey, 328503774, A&P IA

	Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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PROPELLER STRIKE---CONTINUED TIME REPAIR--- This Lycoming engine, model TIO-540-AH1A, s/n L-13830-61E, was disassembled due to propeller strike. All internal steel parts were magna-fluxed by Palm Beach Aircraft Propellers, CRS#LU4R349M & all non-ferrous materials checked for cracks. Crankshaft flange & center main run-outs checked within limits per S85338. Crankshaft s/n V537982537 n/a AD 2005-19-11 or 2006-20-09 by s/n. Installed magnetos, OHC by Quality Aircraft Accessories, CRS # 9QPR310C. Installed Vacuum Pump, OHC by Rapco, Inc, CRS # NESR064N. All Cylinder barrels were deglazed & new rings gapped & fitted. Complied with SB475C, SL163C, & AD2004-10-14C by inspecting crankshaft gear seating area & dowel and installing modified gear with new bolt & lockplate regarding propeller strikes. Engine was reassembled according to guidelines from Lycoming OH Manual 60294-7-14. Engine was given a 1 hour performance run on test stand with all temps, compressions, & pressures within those as prescribed by the factory. Oil filter checked clean. This engine is ready for return to normal service. TTSN 367.8.

Only factory OEM parts used during this repair:

1	CRANKSHAFT	7	VALVE	1	VALVE	1	VALVE	1	VALVE
2	CRANK PINS	8	VALVE	2	VALVE	2	VALVE	2	VALVE
3	CRANK PIN BUSHINGS	9	VALVE	3	VALVE	3	VALVE	3	VALVE
4	CRANK PIN BUSHINGS	10	VALVE	4	VALVE	4	VALVE	4	VALVE
5	CRANK PIN BUSHINGS	11	VALVE	5	VALVE	5	VALVE	5	VALVE
6	CRANK PIN BUSHINGS	12	VALVE	6	VALVE	6	VALVE	6	VALVE
7	CRANK PIN BUSHINGS	13	VALVE	7	VALVE	7	VALVE	7	VALVE
8	CRANK PIN BUSHINGS	14	VALVE	8	VALVE	8	VALVE	8	VALVE
9	CRANK PIN BUSHINGS	15	VALVE	9	VALVE	9	VALVE	9	VALVE
10	CRANK PIN BUSHINGS	16	VALVE	10	VALVE	10	VALVE	10	VALVE
11	CRANK PIN BUSHINGS	17	VALVE	11	VALVE	11	VALVE	11	VALVE
12	CRANK PIN BUSHINGS	18	VALVE	12	VALVE	12	VALVE	12	VALVE
13	CRANK PIN BUSHINGS	19	VALVE	13	VALVE	13	VALVE	13	VALVE
14	CRANK PIN BUSHINGS	20	VALVE	14	VALVE	14	VALVE	14	VALVE
15	CRANK PIN BUSHINGS	21	VALVE	15	VALVE	15	VALVE	15	VALVE
16	CRANK PIN BUSHINGS	22	VALVE	16	VALVE	16	VALVE	16	VALVE
17	CRANK PIN BUSHINGS	23	VALVE	17	VALVE	17	VALVE	17	VALVE
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21	CRANK PIN BUSHINGS	27	VALVE	21	VALVE	21	VALVE	21	VALVE
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31	CRANK PIN BUSHINGS	37	VALVE	31	VALVE	31	VALVE	31	VALVE
32	CRANK PIN BUSHINGS	38	VALVE	32	VALVE	32	VALVE	32	VALVE
33	CRANK PIN BUSHINGS	39	VALVE	33	VALVE	33	VALVE	33	VALVE
34	CRANK PIN BUSHINGS	40	VALVE	34	VALVE	34	VALVE	34	VALVE
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39	CRANK PIN BUSHINGS	45	VALVE	39	VALVE	39	VALVE	39	VALVE
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71	CRANK PIN BUSHINGS	77	VALVE	71	VALVE	71	VALVE	71	VALVE
72	CRANK PIN BUSHINGS	78	VALVE	72	VALVE	72	VALVE	72	VALVE
73	CRANK PIN BUSHINGS	79	VALVE	73	VALVE	73	VALVE	73	VALVE
74	CRANK PIN BUSHINGS	80	VALVE	74	VALVE	74	VALVE	74	VALVE
75	CRANK PIN BUSHINGS	81	VALVE	75	VALVE	75	VALVE	75	VALVE
76	CRANK PIN BUSHINGS	82	VALVE	76	VALVE	76	VALVE	76	VALVE
77	CRANK PIN BUSHINGS	83	VALVE	77	VALVE	77	VALVE	77	VALVE
78	CRANK PIN BUSHINGS	84	VALVE	78	VALVE	78	VALVE	78	VALVE
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80	CRANK PIN BUSHINGS	86	VALVE	80	VALVE	80	VALVE	80	VALVE
81	CRANK PIN BUSHINGS	87	VALVE	81	VALVE	81	VALVE	81	VALVE
82	CRANK PIN BUSHINGS	88	VALVE	82	VALVE	82	VALVE	82	VALVE
83	CRANK PIN BUSHINGS	89	VALVE	83	VALVE	83	VALVE	83	VALVE
84	CRANK PIN BUSHINGS	90	VALVE	84	VALVE	84	VALVE	84	VALVE
85	CRANK PIN BUSHINGS	91	VALVE	85	VALVE	85	VALVE	85	VALVE
86	CRANK PIN BUSHINGS	92	VALVE	86	VALVE	86	VALVE	86	VALVE
87	CRANK PIN BUSHINGS	93	VALVE	87	VALVE	87	VALVE	87	VALVE
88	CRANK PIN BUSHINGS	94	VALVE	88	VALVE	88	VALVE	88	VALVE
89	CRANK PIN BUSHINGS	95	VALVE	89	VALVE	89	VALVE	89	VALVE
90	CRANK PIN BUSHINGS	96	VALVE	90	VALVE	90	VALVE	90	VALVE
91	CRANK PIN BUSHINGS	97	VALVE	91	VALVE	91	VALVE	91	VALVE
92	CRANK PIN BUSHINGS	98	VALVE	92	VALVE	92	VALVE	92	VALVE
93	CRANK PIN BUSHINGS	99	VALVE	93	VALVE	93	VALVE	93	VALVE
94	CRANK PIN BUSHINGS	100	VALVE	94	VALVE	94	VALVE	94	VALVE

Certified Engines Unlimited, Inc.

Authorized Signature: 

Frank Neves, Jr.

North Perry Airport, Penn Plains, FL

FAA CRS# KG4R309M

Date: 31 March 2017

Invoice / Work Order: 65414/48422

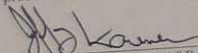
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FAA Form 8130-2

Supplemental Log Book Entry
Engine

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 4/26/17 Hobbs: 375.9

Removed and Replaced Forward Crankcase Seal with new, P/N SL13792. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-


Jeffrey Kamerer 3264637, A&P

Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
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Total to Date	

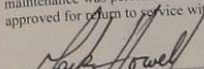
ENGINE LOG

Supplemental Log Book Entry
Engine

Serial No. _____

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 7/11/17 Hobbs: 396.4

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-


Mark A. Howell 3575906, A&P

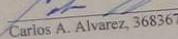
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Total to Date	

ENGINE LOG
Supplemental Log Book Entry
Engine

Reg: N599DB
Date: 7/11/17

Model: TSIO-540-AH1A S/N: L-13830-61E
Hobbs: 422.0

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-


Carlos A. Alvarez, 3683673, A&P

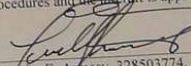
Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
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Total to Date	

Supplemental Log Book Entry
Engine

Reg: N599DB
Date: 12/19/17

Model: TSIO-540-AH1A S/N: L-13830-61E
Hobbs: 440.6

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-


Timothy E. Amesey, 328503774, A&P 1A

Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.
Brought Forward	
Total to Date	

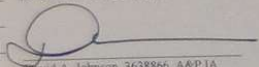
ENGINE LOG

Serial No. _____

Supplemental Log Book Entry - Annual Engine

Reg: N599DB
Date: 4/23/18Model: TIO-540-AH1A
Hobbs: 461.9S/N: L-13830-61E
TSN: 461.9

Performed Annual Inspection in accordance with FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2018-08. Complied with AD15-19-07, Fuel Injection Lines, by Inspection IAW SB342G. Next Due 561.9 Hobbs/ 2086.3 TT. Removed Left Magneto, P/N 6361 S/N 98040750 and Replaced with new Left Magneto, P/N 6361, S/N 18030714. Removed Right Magneto, P/N 6360, S/N 94080466 and Replaced Right Magneto, P/N 6360, S/N 18030629. Performed Compression test, results as follows: 1-75/80, 2-74/80, 3-75/80, 4-72/80, 5-73/80, 6-73/80. Removed and Replaced #2 Cylinder Lower Spark Plug with new P/N RHB36S. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-


David A. Johnson, 3638866, A&P IA

Brought Forward

Total to Date

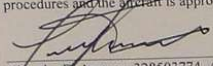
All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

Supplemental Log Book Entry Engine

Reg: N599DB
Date: 9/28/18Model: TSIO-540-AH1A
Hobbs: 499.2

S/N: L-13830-61E

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed. -END-


Timothy L. Armesy, 328503774, A&P IAPage Total
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Total to Date

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

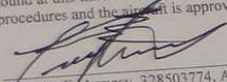
Supplemental Log Book Entry
Engine

Reg: N599DB
Date: 9/28/18

Model: TSIO-540-AH1A
Hobbs: 490.2

S/N: L-13830-61E

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-


Timothy E. Armesy, 328503774, A&P IA

Page Total	
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Total to Date	

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

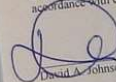
Supplemental Log Book Entry - Annual Engine

Reg: N599DB
Date: 4/9/19

Model: TIO-540-AH1A
Hobbs: 514.6

S/N: L-13830-61E
TSN: 514.6

Performed Annual Inspection in accordance with FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2019-07. Complied with AD15-19-07, Fuel Injection Lines, by Inspection IAW SB342G. Next Due 614.6 Hobbs/ 2139.0, TT. Left Magneto, P/N 6361 and Right Magneto, P/N 6360. Last replaced at 461.9. Performed Compression test, results as follows: 1-72/80, 2-72/80, 3-72/80, 4-75/80, 5-70/80, 6-70/80. Adjusted Engine Idle Speed and Mixture and Engine maximum RPM indicates normally at this time. Lubricated Turbocharger Wastegate. Removed, Inspected, Cleaned and Reinstalled Oil Suction/Finger Screen using new Crush Gasket, P/N MS35769-21 with no defects noted. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service.-END-


David A. Johnson, 3638860, A&P IA

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Total to Date	

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

Supplemental Log Book Entry
Engine

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 6/28/16 Hobbs: 542.8

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service with respect to the work performed.-END-

Mark Howell
Mark A. Howell, 3575906, A&P

Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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Total to Date	

ENGINE LOG

Serial No. _____

Supplemental Log Book Entry
Engine

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 1/23/20 Hobbs: 574.1

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed.-END-

Timothy E. Ames
Timothy E. Ames, 328503774, A&P IA

Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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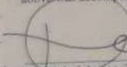
ENGINE LOG

Serial No. _____

Supplemental Log Book Entry - Annual Engine

Reg: NS99DB
Date: 4/9/20Model: TIO-540-AH1A
Hobbs: 585.9S/N: L-13830-61E
TSN: 585.9

Performed an Annual Inspection with reference to FAR Part 43, Appendix "D". Complied with all applicable AD's thru 2020-07. Complied with AD15-19-07, Fuel Injection Lines, by Inspection with reference to SB342G. Next Due 685.9 Hobbs/ 2210.3 TT. Left Magneto, P/N 6361 and Right Magneto, P/N 6360 Last replaced at 461.9. 500 Hour Magneto Inspection Next Due 961.9 Hobbs. Complied with Slick SB1-19 by removal, Inspection of Impulse Coupling Stop Pins and reinstallation of Left Magneto, P/N 6361, S/N 18030714 with no defects noted at this time. Next Due 1085.9 or Magneto replacement. Removed, Pressure Checked for leakage and Reinstalled #2 Cylinder Oil Return Line with no leaks found at this time. Removed and Replaced Spark Plugs with new, P/N UR1B365 in all positions. Performed Compression test, results as follows: 1-75/80, 2-71/80, 3-76/80, 4-71/80, 5-76/80, 6-73/80. Removed, Inspected, Cleaned and Reinstalled Oil Suction/Finger Screen using new Crush Gasket, P/N MS35769-21 with no defects noted. Changed Oil and Filter, refilled with 10 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service -END-


David A. Johnson, 3638866, A&P IABrought Forward _____
Total to Date _____Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

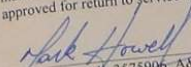
Service Bulletins, Letters, Instructions & A D Notes

DATE _____

Supplemental Log Book Entry
EngineReg: NS99DB
Date: 9/3/20Model: TSIO-540-AH1A
Hobbs: 614.6

S/N: L-13830-61E

Removed Engine Cowling. Removed Engine Driven Fuel Pump, P/N 62E23186, S/N H-PSNG23FP, transferred fittings and installed Overhauled Engine Driven Fuel Pump, P/N RG908014A/M, S/N CF0DLG03, Consolidated Fuel Systems W/O# 10DLG using a new Gasket, P/N MS9137-01. Reinstalled Engine Cowling. Performed Engine Ground Run, Adjusted Engine Idle and Mixture and Engine Operated normally with no fuel or oil leaks found at this time. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed -END-


Mark A. Howell, 3575906, A&P

Supplemental Log Book Entry
Engine

Reg: N599DB Model: TSIO-540-AH1A S/N: L-13830-61E
Date: 12/17/20 Hobbs: 627.1

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed.-END-

Charles Alvarez
Charles Alvarez, 3376352, A&P

Service Bulletins, Letters,
Instructions & A D Notes

DATE _____

Supplemental Log Book Entry - Annual Engine

Reg: N599DB
Date: 5/27/21

Model: TIO-540-AH1A S/N: L-13830-61E
Hobbs: 658.3 TSN: 658.3

Complied with all applicable AD's thru 2021-11. Complied with AD 15-19-07, Fuel Injection Lines, by Inspection with reference to SB342G Next Due 758.3 Hobbs/ 2309.7. TT, Left Magneto, P/N 6361 and Right Magneto, P/N 6360 Last replaced at 461.9. 500 Hour Magneto Inspection Next Due 961.9 Hobbs. Left Magneto Stick SH1-19, Inspection of Impulse Coupling Stop Pins, Next Due 1085.9 or Magneto replacement. Performed Compression test, results as follows: 1-73/80, 2-74/80, 3-73/80, 4-73/80, 5-70/80, 6-70/80. Removed, Inspected, Cleaned and Reinstalled Oil Suction/Finger Screen using new Crush Gasket, P/N MS35769-21 with no defects noted. Removed and Replaced #1, #3 and #8 Engine Cylinder Rocker Oil Return Tubes with new, P/N STD-2180. Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service.-END-

Jose J. Condo
Jose J. Condo, 3118790 A&P, IA

Supplemental Log Book Entry
Engine

Reg: N599DB
Date: 9/13/21

Model: TSIO-540-AH1A S/N: L-13830-61E
Hobbs: 674.9

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Performed Oil Analysis and submitted to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed.-END-

JJC/CTK
Jose J. Cotto, 3118790 A&P, IA

Supplemental Log Book Entry
Engine

Reg: N599DB
Date: 11/23/21

Model: TSIO-540-AH1A S/N: L-13830-61E
Hobbs: 682.8

Changed Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed.-END-

JJC/CTK
Jose J. Cotto, 3118790 A&P, IA

N5996B
Log# 2

LYCOMING

ENGINE LOG

SSP-1872-1

LYCOMING

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING
MAKE T10-540-AH1A MODEL L-13830-61E SERIAL 20
FROM JUNE 20 12 TO _____ 20 _____
DETAILING TIME FROM _____ HOURS TO _____ HOURS

SSP-1872-1

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October 1994

LYCOMING

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING MAKE T10-540-AH1A MODEL L-13830-61E SERIAL
FROM JUNE 20 12 TO _____ 20 _____
DETAILING TIME FROM _____ HOURS TO _____ HOURS

SSP-1872-1

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October 1994

PROPELLER STRIKE ~ CONTINUED TIME REPAIR ~ This engine, model TIO-540 AH1A, s/n L-13830-61E, was disassembled due to propeller strike. All internal steel parts were magna-fluxed by TIC Aerospace, CRS # 4S2R821C & all non-ferrous materials were checked for cracks. Crankshaft s/n AV537962537 had center main & flange run-outs checked within limits. Crankshaft s/n applicable per engine model & s/n. Complied with SB475C/533B & AD 2004-10-14C by inspecting crankshaft gear seating area & installing modified gear with new bolt & lockplate. All cyl barrels deglazed & new gapped/rings fitted to the pistons. Installed Camshaft, reground to fact new limits by A/C Specialties, CRS # DD2R764K, along with fact NEW tappets, reground to fact new Champion harness. Magnetos NOT overhauled as engine was not operating at time of prop strike. Engine was reassembled according to guidelines from Lycoming OH Manual 60294-7-14 & given a 1 hour performance run on test stand with all temps, compressions, & pressures within those as prescribed by the factory. Oil filter checked clean. This work complies with SB533B & SL163C. This engine is approved for return to service on Continued Time basis. TSN is 712.9.

4	SL78810	C/SHAFT BLADE WASHING	8	STD-969	SCREW
1	SL-STD-1211	EXPANSION PLUG	12	1475381	ROLLER TAPPETS
4	SL18641	MAGNETO CURTAIN	12	06A23485	ROLLER SEAL
6	SL14822	RET RING	6	SL3001-9C	RING SET
2	SL17368	C/W ROLLER	1	M6005	HARNESS/SOCKETS
2	SL76788	C/W ROLLER	1	14818647H	OIL FILTER, EPA-ON
1	MS28144-01	PROP GOVERNOR GASKET	1	76991210C	CHARSHAFT GEAR, MODIFIED
1	MS28775-137	O-RING	1	AM648103285	RET SCREW
12	931381	O-RING	1	SL-STD-2209	CHARSHAFT BOLT
6	18223886	O/SHAFT BEARING	12	72150	PISTON PIA FLDG
2	SL23885A	FRONT C/SHAFT BEARING	3	SL-STD-1410	NUT
12	SL74309A	CONN ROD BEARING	12	SL12096	ROD BOLT
1	05E22599	LIT-SEAL & GASKET SET	12	SL12186	CONN ROD NUT
2	87542	BEARING, MAG DRIVE	2	1M-25-0, 83	RET
6	1M-18737	HOSE	1	STD-95	RET
2	00M2427	HOSE	1	MS16982-26	PIN
2	STD-2046	HOSE	6	SL-STD-2180	DEATH HOSE
6	STD-2013	O-RING	8	SL71807A	C/WIGHT RET WASHER
1	96026031	OIL SHIP BAFFLE			
6	AM870-3	WASHER			

Certified Engines Unlimited, Inc.

Authorized Signature

Frank Neves, Jr.

Pembroke Pines, FL 33023 USA

FAA CRS# K G4R309M

Date: 22 September 2022

Invoice / Work Order: 75348/59156

License Number

ENGINE LOG

Serial No. _____

Supplemental Log Book Entry, Engine

Reg: N599DB
Date: 10/6/22

Model: TSIO-540-AH1A
Hobbs: 712.9

S/N: L-13830-61E
EngTSN: 712.9

Reinstalled Engine M/N TIO-540-AH1A, S/N L-13830-61E for Inspection due to "Non Operating" Propeller Strike Inspection by Certified Engines Unlimited, Inc W/O# 59156-000 with reference to AD04-10-14C1 and Lycoming SB's No533B, No SB475C. Added 12 quarts of Phillips 20W50 Mineral Oil. Removed and Reinstalled Oil Coolers P/N 10901A/727680, S/N's Left: 771, W/O # 152183, Right: 775 for Overhaul by Pacific Oil Coolers, Inc. W/O# 152184. Performed engine ground run and no oil or fuel leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed -END-

David A. Johnson, 3638866, A&P IA

Page Total
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Total to Date

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

Supplemental Log Book Entry, Engine

Serial No. _____

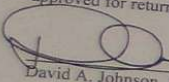
Reg: N599DB
Date: 10/7/22

Model: TSIO-540-AH1A
Hobbs: 715.2

S/N: L-13830-61E
EngTSN: 715.2

nse
lber

Removed Engine Crankshaft Seal, P/N 78443 and Replaced with new Engine Crankshaft Seal, P/N SL15628. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed.-END-


David A. Johnson, 3638866, A&P IA

Page Total

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Total to Date

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

Supplemental Log Book Entry, Engine

Serial No. _____

Reg: N599DB
Date: 10/11/22

Model: TSIO-540-AH1A
Hobbs: 720.3

S/N: L-13830-61E

License
Number

Removed and Replaced Engine Oil Filter with new, P/N AA48110-2. Cut and Inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed.-END-


Mark A. Howell, 3575906, A&P

Page Total

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Total to Date

All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG
Supplemental Log Book Entry
Engine

Serial No

Reg: N599DB
Date: 5/25/23

Model: TS10-540-AH1A
Hobbs: 745.1

S/N: L-13830-61E

use
per

Changed Oil and Filter, refilled with 11 quarts of Phillips 20W50 Type M Mineral Oil. Installed new Oil Filter P/N AA48110-2, inspected old Oil Filter for foreign matter and none found at this time. Performed engine ground run and no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed. -END-

Mark A. Howell
Mark A. Howell, 3675906, A&P

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All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

Supplemental Log Book Entry - Annual Engine

Reg: N599DB
Date: 7/5/23

Model: T10-540-AH1A
Hobbs: 749.4

S/N: L-13830-61E
TSN: 749.4

use
per

Performed an Annual Inspection with reference to FAR Part 43, Appendix "D". Checked applicable AD's thru 2023-14. Complied with AD19-07, Fuel Injection Lines, by inspection with reference to SB342G, Next Due 849.4 Hobbs/2400.8, AFIT, AD23-09-09. Failures of Spot-Welded, Multi-Segment V-Band Couplings. Found Not Applicable by "Rivited" Multi-Segmented Turbocharger Flange to Tail Pipe V-Band Coupling Installed. Left Magneto, P/N 6361 and Right Magneto, P/N 6360 Last replaced at 461.9. 500 Hour Magneto Inspection Next Due 961.9 Hobbs. Left Magneto Slick SB1-19. Inspection of Impulse Coupling Stop Pins. Next Due 1085.9 or Magneto replacement. Performed Compression tests with results as follows: 1-75/80, 2-75/80, 3-76/80, 4-76/80, 5-73/80, 6-75/80. Treated Engine and Engine Hardware with ACF-50 Anti Corrosive. Collected Engine Oil Sample and submitted to Aviation Laboratories for Analysis. Removed Inlet Screen Hardware with Engine Fuel Injector Servo. Inspected, Cleaned and Reinstalled Engine Fuel Injector Servo Inlet Screen Filter into Engine Fuel Injector Servo using new O-Rings, P/N 951790 and 951392. Torqued and safetied Engine Fuel Injector Servo Inlet Screen and leak checked. Performed Engine Ground Run with no fuel or oil leaks noted at this time. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-

David A. Johnson
David A. Johnson, 3638866, A&P IA

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All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

Supplemental Log Book Entry – Annual Engine

Reg: N599DB

Model: TIO-540-AH1A

S/N: L-13830-61E

Date: 7/3/24

Hobbs: 771.5

TSN: 771.5

Performed an Annual Inspection with reference to 14 CFR Part 43, Appendix "D". Checked applicable AD's thru 2024-13. Complied with **AD15-19-07**, Fuel Injection Lines, by Inspection with reference to SB342G. Next Due **871.5. 2422.9** Left Magneto, P/N 6361 and Right Magneto, P/N 6360 Last replaced at 461.9. 500 Hour Magneto Inspection **Next Due 961.9** Hobbs. Left Magneto Slick SB1-19, Inspection of Impulse Coupling Stop Pins, **Next Due 1085.9** or Magneto replacement. Performed Compression tests with results as follows: 1>77/80, 2>75/80, 3>75/80, 4>73/80, 5>73/80, 6>75/80. Removed, Inspected, Cleaned and Reinstalled Engine Oil Suction Screen using new Crush Gasket, P/N MS35769-21. Torqued and Safetied Oil Suction Screen and performed leak check. Changed Engine Oil and Filter, refilled with 11 quarts of Aeroshell 15W50 Oil. Collected and Submitted Oil Sample for Analysis to Aviation Laboratories for testing. Installed new Oil Filter P/N AA48110-2 and safetied. Inspected old Oil Filter for foreign matter with none found at this time. Removed Inlet Screen Filter from Engine Fuel Injector Servo, Inspected, Cleaned and Reinstalled Engine Fuel Injector Servo Inlet Screen Filter into Engine Fuel Injector Servo using new O-Rings, P/N 951790 and 951392. Torqued and safetied Engine Fuel Injector Servo Inlet Screen and leak checked. Treated Engine and Engine Hardware with ACF50 Anti Corrosive. Cleaned #1 Cylinder Oil Return Line Flare at the "B" Nut and installed with sealant. Lubricated Engine Turbocharger Wastegate with Mousemilk. Performed Engine Ground Run with no fuel or oil leaks noted at this time. Advised owner that Engine is Beyond Manufactures Time Between Overhaul by Calendar Date. I certify that this Aircraft Engine has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. **-END-**

David A. Johnson, 3638866, A&P IA