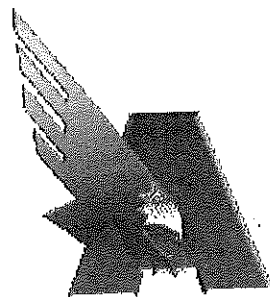


*N298 AT*

**LYCOMING**

ENGINE LOG

SSP-1872-1



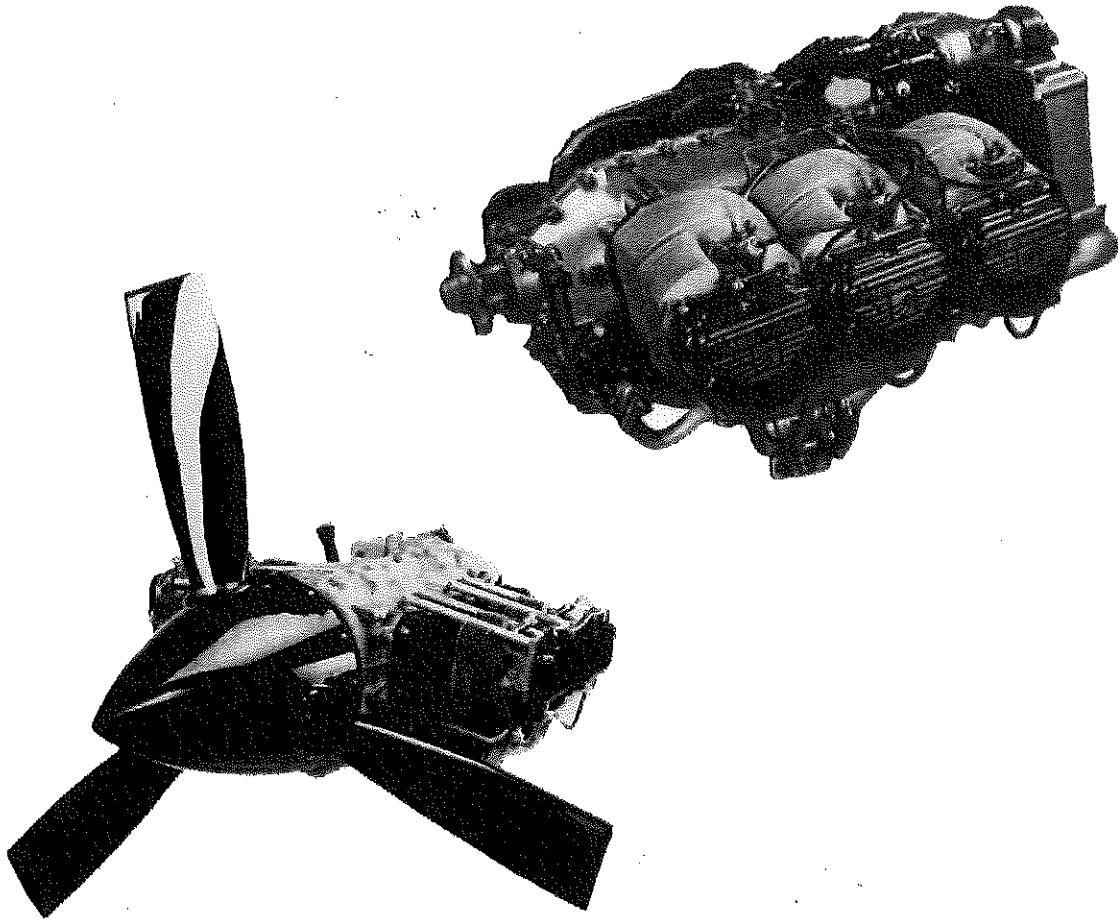
**AMERICA'S**  
**AIRCRAFT ENGINES, Inc.**

Contact Us: Toll Free 888-371-1371 Local 918-371-3000  
Fax 918-371-3041 or look us up at [www.overhaul.com](http://www.overhaul.com)  
E-mail: [Info@overhaul.com](mailto:Info@overhaul.com)

Engine Make:	Lycoming
Engine Model:	TIO-540-AH1A
Serial Number:	RL-13662-61A
Work Order #:	122001

**CALDWELL AVIATION**

# ENGINE MAINTENANCE RECORDS



**AMERICA'S**  
AIRCRAFT ENGINES, Inc

Shipping Address: 2505 W. Broadway, Collinsville, OK 74021 ■ Mailing Address: P.O. Box 582453, Tulsa, OK 74158-2453  
Toll Free 888 371-1371 ■ 918 371-3000 ■ FAX 918 371-3041 ■ Look us up at [www.overhaul.com](http://www.overhaul.com) ■ E-Mail: [info@overhaul.com](mailto:info@overhaul.com)  
FAA Certified Repair Station IAXR223L

LIMITED WARRANTY

To:	Caldwell Aviation	Aircraft:
Model:	TIO-540-AH1A	Registration:
Serial Number:	RL-13662-61A	Tach or Hobbs:
Work Order:	122001	Date of Overhaul: 01-30-2023

AMERICA'S AIRCRAFT ENGINES, INC. warrants this engine to be free from defects in materials and workmanship by America's Aircraft Engines, Inc. for TWENTY-FOUR (24) months, unlimited hours. Accessories will be warranted by respective vendors.

This engine, excluding accessories, is further warranted to be free from defects in materials furnished by America's Aircraft Engine's, Inc. until T.B.O. on a pro-rated basis on parts. For the purpose of calculating pro-ration, a minimum of 40 hours per month from the date of overhaul will apply. Replacement or repair of engine, component, or parts under this Limited Warranty will not extend the warranty period. Installation or removal costs are excluded under pro-rated portion. Cracked cylinders and cracked crankcases excluded from all warranty unless it can be determined that they are a direct result of improper assembly.

To exercise this Limited Warranty, America's Aircraft Engines, Inc. must be promptly notified of the discovery of any defect or failure by call or letter fully describing such defect or failure to:

America's Aircraft Engines, Inc.  
PO Box 582453, Tulsa, OK 74158  
918-371-3000

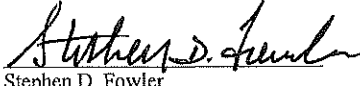
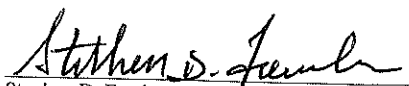
All warranty work is to be accomplished in Collinsville, Oklahoma by America's Aircraft Engines, Inc. unless approval is granted in writing by America's Aircraft Engines, Inc. for work to be accomplished elsewhere or by anyone else, prior to commencement of such work. America's Aircraft Engines, Inc. reserves the right to furnish any or all parts thereof.

America's Aircraft Engines, Inc. is not responsible for any consequential loss associated with any failure or defect under this Limited Warranty and no allowance will be made for down time, loss of use, hotel, freight, transportation or any other incidental expense directly or indirectly associated with such defect or failure.

This Limited Warranty is expressly in lieu of all warranties and representations, expressed or implied in fact or by law including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. The work to which this Limited Warranty applies is deemed to have been accomplished in Collinsville, Oklahoma and in the event of a dispute on this Limited Warranty, the laws of the State of Oklahoma shall apply and any litigation shall be maintained only in the State of Oklahoma in a court of Competent Jurisdiction.

This Limited Warranty gives you specific rights and may be transferred only by express permission in writing by America's Aircraft Engines, Inc.

*Attorney General*

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK												
				<b>TOTALS</b> brought forward from previous page												
				<table border="0"> <tr> <td>MAKE</td> <td>Lycoming</td> <td>MODEL</td> <td>TIO-540-AH1A</td> </tr> <tr> <td>SERIAL #</td> <td>RL-13662-61A</td> <td>DATE</td> <td>01-30-2023</td> </tr> <tr> <td>TIME SMOH</td> <td>0.0</td> <td>TOTAL TIME</td> <td>923.4</td> </tr> </table> <p>America's Aircraft Engines, Inc. certifies that this engine has been disassembled, overhauled and tested in accordance with recommended procedures and all clearances and tolerances are within specified limits. Procedures and limits used are as contained in engine manufacturers overhaul manual number 60294-7.</p> <p>America's Aircraft Engines, Inc. certifies the engine identified above was overhauled and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Following A.D.'s complied with <b>SEE NOTES</b>.</p> <p>Pertinent details of the overhaul are on file at America's Aircraft Engines, Inc. work order number 122001.</p> <p>Signed  For America's Aircraft Engines, Inc. Stephen D. Fowler PO Box 582453 Tulsa, OK 74158</p> <p>FORM AAE 101 CERTIFIED REPAIR STATION NO. IAXR223L</p> <p>LYCOMING TIO-540-AH1A S/N: RL-13662-61A W/O #: 122001 A.D. NOTES 01-30-2023</p> <p>A.D. 71-13-01 R1 AMD 39-16909 N/A BY SERIAL NUMBER.  A.D. 73-23-01 AMD 39-2804 N/A AFFECTED PISTON PINS NOT INSTALLED.  A.D. 75-09-15 AMD 39-2187 N/A AFFECTED FLOW DIVIDER NOT INSTALLED.  A.D. 78-23-10 AMD 39-3333 N/A AFFECTED INJECTOR NOT INSTALLED.  A.D. 79-04-05 AMD 39-3570 N/A AFFECTED INJECTOR NOT INSTALLED.  A.D. 91-08-07 AMD 39-6962 N/A BY SERIAL NUMBER.  A.D. 92-12-05 AMD 39-8265 N/A AFFECTED PISTON PINS NOT INSTALLED.  A.D. 93-11-11 AMD 39-8584 N/A AFFECTED FUEL PUMP NOT INSTALLED.  A.D. 97-15-11 AMD 39-10085 N/A AFFECTED PISTON PINS NOT INSTALLED.  A.D. 2002-19-03 AMD 39-12883 N/A AFFECTED CRANKSHAFT NOT INSTALLED.  A.D. 2003-14-03 AMD 39-13222 N/A AFFECTED FUEL PUMP NOT INSTALLED.  A.D. 2004-05-24 AMD 39-13519 N/A AFFECTED CRANKSHAFT NOT INSTALLED.  A.D. 2004-10-14 AND 39-13644 C/W BY AIRCRAFT SPECIALTIES SERVICES INC, NEW BOLT INSTALLED.  A.D. 2005-19-11 AMD 39-14276 N/A AFFECTED CRANKSHAFT NOT INSTALLED.  A.D. 2009-02-03 AMD 39-15793 N/A AFFECTED SERVO PLUG GASKET NOT INSTALLED.  A.D. 2011-13-03 AMD 39-16726 C/W BY QUALITY AIRCRAFT ACCESSORIES.  A.D. 2012-03-06 AMD 39-16947 N/A AFFECTED DIAPHRAGM NOT INSTALLED.  A.D. 2012-03-07 AMD 39-16948 N/A AFFECTED CARBURETOR NOT INSTALLED.  A.D. 2012-19-01 AMD 39-17196 N/A AFFECTED CRANKSHAFT NOT INSTALLED.  A.D. 2015-02-07 AMD 39-18074 C/W INSTALLED SET SCREW IAW SI 1343.  A.D. 2015-19-07 AMD 39-18269 C/W INSTALLED FUEL LINES IAW MSB 342.  A.D. 2017-16-11 AMD 39-18988 N/A AFFECTED RODS NOT INSTALLED.</p> <p>  Stephen D. Fowler P 477629769</p>	MAKE	Lycoming	MODEL	TIO-540-AH1A	SERIAL #	RL-13662-61A	DATE	01-30-2023	TIME SMOH	0.0	TOTAL TIME	923.4
MAKE	Lycoming	MODEL	TIO-540-AH1A													
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				<b>SUB-TOTALS</b> this page												
				<b>TOTALS</b> -Carry forward to next page												

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

*Caldwell Aviation*  
 4717 S. Frontage Road Columbus, MS 39701  
 662-361-8701

2676.5  
TAF

**JUNE 29, 2023**                      **Hobbs: 2503.3**                      **Eng. TSMOH: 0**                      **Eng. TT: 924.2**  
 Inspected engine in accordance with Piper PA32R-301T Checklist and FAR 43, Appendix "D". Removed engine for overhaul, sent to Americas aircraft engines, installed TIO-540-AH1A SER# RL-13662-61A Work order # 122001. Replaced oil filter Champion CH48110-1. Serviced with 12 QTS X/C 20W50. Installed new TIT PROBE PART# 491-402. Installed new alternator part# 32c22492 SER# H-T043111. Installed overhauled turbo charger. Installed new turbo clamps part# LW-12093-5, LW-12093-6, LW-15858-62-325. Installed new engine mounts part# J-9613-12, And J-9613-A. I certify this engine has been inspected in accordance with a 100 hr / ANNUAL inspection and determined to be in airworthy condition.

  
 Robert S. Caldwell, III A&P 3256723, I.A.

→      **HAWKINS JET CENTER**      →  
 JACKSON, MISSISSIPPI

N298AT                                      Date 1-9-2024                                      Hm 2678.9

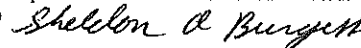
Replaced engine compartment fuel and oil hoses. Lower lt engine shockmount bolt replaced. Changed oil and filter with 12 qts 20W50 X/C oil. Fabricated and installed missing lt rear baffle. Swapped lt and rt magnetos and harness. Tightened and secured A/C compressor belt. Installed new wastegate and turbo gaskets. Tightened and saftied exhaust V band clamps. Saftied alternator bracket bolts. Repaired heat exchanger shroud. Repaired #5 cyl. baffle. Rerouted and secured mixture cable. Replaced airfilter p/n P15-1936. Tightened starter power cable. Replaced scat tubing as needed. Retorqued fuel pump mounting nuts. Ground ran enine and adjusted idle speed and mixture.

Sheldon A Burgess A&P 2159379 

**HAWKINS SERVICE CENTER**  
 JACKSON, MISSISSIPPI

N289AT                                      Date 8-15-2024                                      Tach 14.1                                      Hm 2695.1

Removed fuel servo RSA-10ED1 s/n 70E47303. Installed fuel servo RSA-10ED1 s/n 72197J03. Ground ran and adjusted idle speed and mixture. Operational check OK. No leaks noted.

Sheldon A Burgess A&P 2159379 

**SUB-TOTALS** this page

**TOTALS**-Carry forward to next page