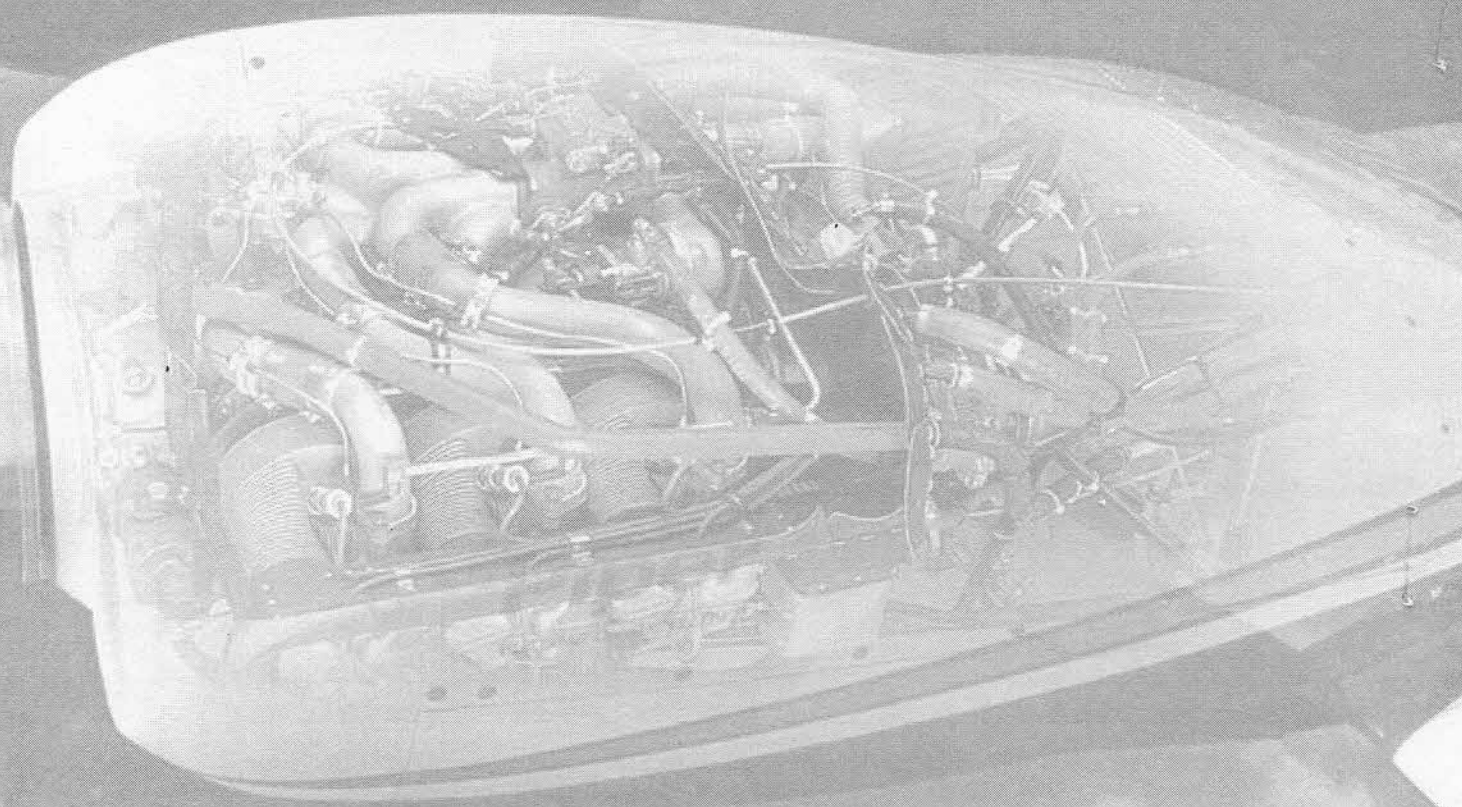


**LEFT**

# **ENGINE LOG BOOK**



# **CONTINENTAL MOTORS**

### Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

### Engine Returns

All returned engines are to be shipped with this log book  
Directly to:

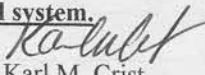


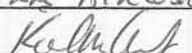
**Teledyne Continental Motors**  
**Abbeville Industrial Park**  
**Suite 159**  
**Abbeville, AL 36310**

**USE ONLY FUEL CONFORMING TO ASTM D910**  
**USE OF AUTOMOTIVE GAS IS NOT APPROVED.**

This engine model I0550E1, Serial Number 681060  
was manufactured on 12-28-2000 by Teledyne Continental  
Motors in accordance with approved design data and the applicable requirements of  
Part 21 of the Federal Aviation Regulation. The approved design data for this engine  
incorporates all changes required by applicable Airworthiness Directives and Teledyne  
Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS  
A TELEDYNE TECHNOLOGIES COMPANY

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
					Colemill Enterprises Inc. Nashville Tn. 37206  2/14/01 N42HF S/N TC-1730, 2607.6 A/C Hobbs. Install Engine S/N 681061 RH And Engine S/N 681060 LH Lord Mounts, and Hoses were replaced with new. Baffling and Rubber Material was Repaired or Replaced as necessary. Service the engine with 12 Qts. Aeroshell Oil Grade 40 Mineral. Install a New Pneumatic Pump P/N 442CW S/N N05669. Install New Air, Pneumatic Filters. J.P. Instruments EGT & CHT Probes were installed at this time under STC # SA00729WE see 337 for details. Ground Ops check Satisfactory No Leaks found. I certify this engine is airworthy for return to service. END. <b>This is an altitude compensating fuel system.</b>  S/N 681060 A/C TT 2607.6   Karl M. Crist A&P2178607
					Colemill Enterprises Inc. Nashville TN. 37072  Installed A Teledyne Continental IO-550-E Engine and a Hartzell Three Bladed Propeller Model HC-G3YF-2UF/FC766308-4T in Accordance with STC SA432SO Amended 4/9/90. FAA Approved flight manual Supplement placed in the aircraft flight manual or POH. <b>Note: This engine has an altitude compensating fuel system.</b>  AC TT 2607.6 680060 AC Hobbs 2607.6   Karl M. Crist AP2178607
					02/17/01 2607.6 A/C Hobbs 000.0 Engine TT I have complied with AD 99-09-17 and Continental Service Bulletin 99-3A by comparing the Serial number to the Continental Supplied list in the Service Bulletin Dated 04-22-99. This engine Model <u>IO-550-E</u> and Serial Number <u>681060</u> Does NOT appear on that list. No further action is needed. I Certify that this engine is airworthy for return to service. Work done by Colemill Enterprise Inc. END.  A/C 42HF Left Engine   Karl M. Crist AP2178607
05/9/01	2629.2	AC HOBBS.			DRAIN OIL REMOVE AND CLEAN OIL SCREEN NO METAL WAS FOUND SERVICE THE ENGINE WITH 11 QT W 100 OIL. OIL SAMPLE WAS TAKEN. AT THIS TIME GROUND RUN NO LEAKS FOUND I CERTIFY THIS ENGINE IS AIRWORTHY FOR RETURN TO SERVICE. AND  AP2178607.

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
6 AUG 01, 26	47.7		Hobbs		Inspected engine using Baron Shop Manual & TCM 50 hour inspection checklists as guides. Drained oil, inspected and cleaned oil screen, serviced with 11 qt. AeroShell 100w. Removed, cleaned, gapped, rotated & reinstalled spark plugs. Compression #1-72, #2-75, #3-75, #4-72, #5-73, #6-74. Adjusted L&R magneto timing. Ground runup & leak check good. <i>Thomson</i> ASP 2635991
21 Nov 01, 26	9.2		Hobbs		Drained oil, inspected and cleaned oil screen, serviced with 11 qt AeroShell 100w. Ground run / leak check good. <i>Thomson</i> ASP 2635991
1 Apr 02, 26	76.7		Hobbs	69.1 TIS	Drained oil, inspected and cleaned oil screen, serviced with 11 qt AeroShell 100w. Removed, cleaned, gapped, rotated, & reinstalled spark plugs. Inspected & cleaned fuel injection control screen. cleaned fuel injection nozzles. Adjusted R Mag timing IAW TCM MSB 94-8A. TCM CSB 01-1 N/A, subject fuel pump P/N's not installed. TCM CSB 02-2 N/A, subject starter adapter P/N's not installed. CW TCM SB 96-12 Part I inspection and test procedures. Performed compression test IAW M84-15, #1-72, #2-73, #3-76, #4-77, #5-76, #6-75. CW SB 95-7 Manifold Valve Cover inspection. CW SB 95-2 Inspection & maintenance of engine control cables & linkages. Performed top case inspection, see checklist form this date for details. Ground run / leak check good. <i>Thomson</i> ASP 2635991
1 Apr 02 69.1 TIS					I certify that this engine has been inspected IAW a 100 hr inspection and was determined to be in an airworthy condition. <i>Thomson</i> ASP 2635991
<p>I certify that this <del>aircraft</del>/Engine has been Inspected in accordance With an annual inspection and has been Determined to be in airworthy Condition</p> <p>A.E. Brillaud IA 1191065</p> <p>TT: <u>69.1</u> Date <u>4/4/02</u></p> <p><i>Thomson</i></p>					
16 JUN 02	269	7.5	Hobbs		Drained oil, inspected and cleaned oil screen, serviced with 11 qt AeroShell 100w. Ground run / leak check good. <i>Thomson</i> ASP 2635991
19 AUG 02	2711.0		Hobbs		Removed fuel injection nozzles P/N 655234-212E & 655234-513AA, installed new nozzles P/N 655234-213AA & 655234-512D in cylinders 2 & 5 respectively IAW TCM Engineering Variation Order #7229 dated 9 Aug 02. <i>Thomson</i> ASP 2635991
5 Sep 02	2719.8		Hobbs		Drained oil, inspected and cleaned oil screen, serviced with 11 qt. AeroShell 100w. Ground run / leak check good. <i>Thomson</i> ASP 2635991

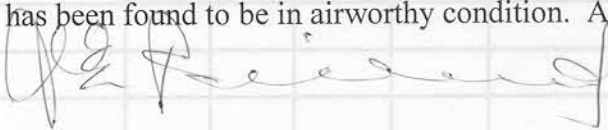

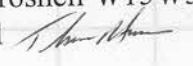


# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul		
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
19 Dec 02 2737.6	Hobbs.	Drained oil,	inspected and cleaned oil screen,	serviced with 11qt Aeroshell W15W50.	Ground run / leak check good. <i>Thomson A&amp;P 2635991</i>
4/1/03 LEFT ENGINE 1 Apr 2003. 2753.4 Hobbs. 145.8 hrs TIS. Drained oil, inspected and cleaned oil screen, serviced with 11 qt Aeroshell W15W50. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8A. CW SB96-12 Part I inspection and test procedures. Performed compression test IAW M84-15, #1-72, #2-70, #3-73, #4-73, #5-73, #6-71. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6 and SB643. CW CSB02-8 and CSB 664, subject parts not installed, no further action required. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. <i>Thomson A&amp;P 2635991</i>					
4/1/03 I certify that this aircraft has been inspection in accordance With an annual inspection & has been found to be in airworthy Condition 04/01/03 TTA/C Tach.. 2753:4 TT 2753:4 A.E.Brillaud IA 1191065 <i>A.E. Brillaud</i>					
13 Jun 03 2775.1	Hobbs.	Drained oil,	inspected and cleaned oil screen,	serviced with 11qt Aeroshell W15W50.	Ground run / leak check good. <i>Thomson A&amp;P 2635991</i>
24 Nov 03 2798.5	Hobbs.	Drained oil,	inspected and cleaned oil screen,	serviced with 11qt Aeroshell W15W50.	Ground run / leak check good. <i>Thomson A&amp;P 2635991</i>
1 Apr 2004. 2805.3 Hobbs. 197.7 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8A. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test IAW M84-15, #1-70, #2-74, #3-76, #4-70, #5-72, #6-71. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6 and SB643 100 hr magneto inspections. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 <i>Thomson</i>					
04/01/04 TTA/C Hobbs 2805.3, 197.7 hrs TIS Left Engine I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 <i>A.E. Brillaud</i>					
7 May 04 2815.9	Hobbs.	Drained oil,	inspected and cleaned oil screen,	serviced with 11qt Aeroshell W15W50.	Ground run / leak check good. <i>Thomson A&amp;P 2635991</i>
6 Oct 2004, 2840.4 Hobbs, 232.8 hrs TIS Left Engine. Drained oil, inspected, cleaned, and reinstalled oil screen. Installed SAF-AIR oil quick drain, P/N S6250. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991 <i>Thomson</i>					

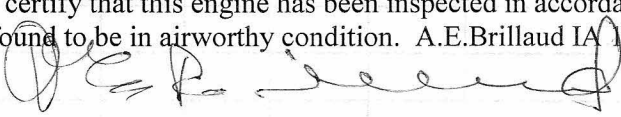



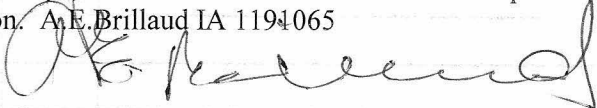

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
18 Oct 04. 2847.7	Hobbs		Replaced #5 cylinder lower spark plug with new Champion P/N RH832E. T. Humes A&P 2635991		
29 Nov 2004, 2861.6	Hobbs		Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991		
27 Apr 2005. 2884.1	Hobbs		276.5		TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8A. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-74, #2-63, #3-73, #4-56, #5-73, #6-73, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. CSB04-05A & CSB665A N/A, subject magnetos & capacitors not installed. Fabricated & installed doubler to repair airbox crack. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991
04/27/05	TTA/C Hobbs		2884.1		276.5 hrs TIS Left Engine I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065
27 Apr 2005. 2884.1	Hobbs				Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991
15 Jun 2005, 2903.6	Hobbs				Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-75, #2-61, #3-70, #4-60, #5-75, #6-72, master orifice reading 45. Borescope inspection showed normal wear. Lapped #4 exhaust valve in place IAW TCM technical support guidance. Installed new rocker cover gasket P/N RG534857. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991
5 Aug 2005, 2928.6	Hobbs				Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-65, #3-70, #4-56, #5-75, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
					13 Nov 2005, 2952.6 Hobbs. Replaced lower spark plug in #4 cylinder with new Champion RHB32E. T. Humes A&P 2635991 <i>T. Humes</i>
					23 Nov 2005, 2953.2 Hobbs. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991 <i>T. Humes</i>
					25 Mar 2006, 2968.1 Hobbs. Removed #4 cylinder and piston for inspection and repair by Moore Performance Products, CRS#DN6R6909N under W/O #5998 dated 16 Mar 2006. Repair included new exhaust valve and guide, rework of intake valve and intake and exhaust valve seats, and new piston rings. Reinstalled piston and cylinder assembly IAW Baron Shop Manual, IO-550 Sandcast Series Overhaul Manual, and applicable TCM service bulletins. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell 100 Mineral Oil. Performed ground run tests IAW TCM SB M89-7R1. Test Flight required IAW TCM SB M89-7R1. T. Humes A&P 2635991 <i>T. Humes</i>
					27 Mar 2006, 2969.7 Hobbs. Test flight for left engine #4 cylinder accomplished IAW TCM SB M89-7R1. No discrepancies noted. T. Humes A&P 2635991 <i>T. Humes</i>
					1 May 2006, 2977.9 Hobbs. 370.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8A. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-74, #2-66, #3-74, #4-75, #5-75, #6-70, master orifice reading 45. Borecope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Installed new induction air filter, P/N P12-8219. Installed new alternator belt, TCM P/N 539547-31.19. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 <i>T. Humes</i>

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
05/1/06	TTA/C Hobbs 2977.9, 370.3 hrs TIS Left Engine				I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 
27 Jul 2006.	3001.9 Hobbs.				Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991 
11 Oct 2006.	3027.9 Hobbs.				Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell W15W50. Performed ground run/leak check. T. Humes A&P 2635991 
2 Apr 2007,	16.9 Hobbs. 439.3 hrs TIS Left Engine.				Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles. Adjusted alternator belt tension. Checked L&R mag timing IAW MSB94-8A. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-73, #2-53, #3-69, #4-75, #5-75, #6-73, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 
04/02/07	TTA/C 3046.9. Hobbs 16.9, 439.3 hrs TIS Left Engine				I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
					22 Aug 2007, 040.5 Hobbs. 462.9 hrs TIS Left Engine. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Exxon Elite 20W-50. Replaced alternator filter capacitor clamp with new P/N AN742-D12. Installed new alternator cooling tube. Performed ground run/leak check. T. Humes A&P 2635991 <i>T. Humes</i>
					9 Dec 07, 65.5 Hobbs, 487.9 hrs TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3. Compression readings #1-69, #2-40, #3-68, #4-70, #5-70, #6-71, with #2 cylinder exhibiting exhaust valve leakage. Master orifice reading 45. Borecope inspection showed normal wear. Performed aircraft flight and retest of #2 cylinder compression IAW SB03-3 Table 1. Removed #2 cylinder and piston for inspection and repair by Moore Performance Products, CRS #DN6R6909N under W/O #6279 dated 30 Nov 2007. Repair included exhaust valve and guide replacement, rework of exhaust valve seat, and new piston rings. Reinstalled piston and cylinder assembly IAW Baron Shop Manual, IO-550 Sandcast Series Overhaul Manual, and applicable TCM service bulletins. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Aeroshell 100 Mineral Oil. Performed ground run tests IAW TCM SB M89-7R1. Test Flight required IAW TCM SB M89-7R1. T. Humes A&P 2635991 <i>T. Humes</i>
					10 Dec 2007, 66.5 Hobbs, 488.9 TIS Left Engine. Test flight for left engine #2 cylinder repair accomplished IAW TCM SB M89-7R1. No discrepancies noted. T. Humes A&P 2635991 <i>T. Humes</i>
					15 Feb 08, 73.8 Hobbs, 496.2 hrs TIS Left Engine. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 <i>T. Humes</i>
					8 May 2008, 97.8 Hobbs. 520.2 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced three plugs with new Champion P/N RHB32Es. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8C. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-75, #2-71, #3-72, #4-68, #5-68, #6-73, master orifice reading 45. Borecope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3D. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 <i>T. Humes</i>

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
05/08/07	TTA/C 3127.8		Hobbs 97.8,	520.2 hrs	TIS Left Engine I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 
04 Jul 2008,	107.3 Hobbs,	529.7 hrs	TIS Left Engine.	Replaced cylinder #3 lower spark plug with new Champion P/N RHB32E.	T. Humes A&P 2635991 
30 Oct 2008,	121.1 Hobbs,	543.5 hrs	TIS Left Engine.	Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Exxon Elite 20W-50. Performed ground run/leak check.	T. Humes A&P 2635991 
11 May 2009,	144.6 Hobbs,	567.0 hrs	TIS Left Engine.	Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced two plugs with new Champion P/N RHB32Es. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8C. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-69, #2-61, #3-73, #4-61, #5-71, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. MSB 09-1A not applicable to this engine, subject cylinders not installed. Adjusted alternator belt tension. Drained oil, inspected, cleaned, and reinstalled oil screen. Serviced with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.	T. Humes A&P 2635991 
05/11/09	TTA/C 3174.6		Hobbs 144.6,	567.0 hrs	TIS Left Engine I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 
11 Jun 2009,	147.1 Hobbs,	569.5 hrs	TIS Left Engine.	Removed oil screen, P/N 538727, and installed Airwolf Filter Corp oil filter kit P/N AFC-K008 IAW STC #SA00079NY. See FAA form 337 this date for details.	T. Humes A&P 2635991 

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
15 Sep 2009,	168.0	Hobbs.	590.4	hrs	TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991
26 Jan 2010,	197.9	Hobbs.	620.3	hrs	TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991
17 Jun 2010,	210.9	Hobbs.	633.30	hrs	TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Replaced one plug with new Champion P/N RHB32E. Cleaned fuel injection nozzles. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-72, #2-70, #3-68, #4-67, #5-74, #6-68, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected push rod tube seals IAW SB09-7, no leaks observed, no further action required. CSB668 not applicable to this engine, subject magnetos not installed. AD 2009-16-03 and 2009-19-07 not applicable to this engine, subject cylinders not installed. AD 2010-11-14 not applicable to this engine by date of manufacture. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991
22 Oct 2010,	240.9	Hobbs.	663.3	hrs	TIS Left Engine. Replaced #5 cylinder lower spark plug with new Champion P/N RHB32E. T. Humes A&P 2635991
5 Apr 2011,	264.9	Hobbs.	687.3	hrs	TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-69, #3-66, #4-66, #5-74, #6-73, master orifice reading 45. Borescope inspection showed normal wear. Removed left (P/N 10-349350-4, S/N L080004F) & right (P/N 10-349350-5, S/N L210002F) magnetos, performed 500 hr inspection IAW TCM Manual X42001-1, adjusted contact clearance and "E" gap to specified values. Reinstalled magnetos and set timing IAW MSB 94-8C. T. Humes A&P 2635991
22 Apr 2011,	265.6	Hobbs,	688.0	TIS	Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

13 May 2011 271.9 Hobbs, 694.3 TIS Left Engine. Removed left magneto (P/N 10-349350-4, S/N L080004F), replaced capacitor with new P/N ES10-349276 and contact assembly with new P/N AB382584 IAW TCM Manual X42001-1. Reinstalled magneto and set timing IAW MSB 94-8C. T. Humes A&P 2635991 *T. Humes*

26 Jul 2011, 300.3 Hobbs. 722.7 hrs TIS Left Engine. Checked L&R mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-68, #2-70, #3-60, #4-70, #5-73, #6-73, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected crankshaft IAW SB09-14, no corrosion found. Replaced MS21919-DG34 clamp supporting crankcase breather line and 2 MS21919-WDG4 clamps supporting throttle and mixture control cables. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 *T. Humes*

Date: ~~9-26-11~~ <sup>7-26-11</sup> <sup>MIG</sup> I certify this ENGINE has been inspected in accordance with a ANNUAL inspection and was determined to be in an airworthy condition and approved for return to service.  
 Total Time: 722.7 Tach: N/A  
 NAME: M. J. GRAINGER A&P 1278275 IA  
 SIGNATURE: *M. J. Grainger*

19 Aug 2011, 303.7 Hobbs, 726.1 TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 *T. Humes*

20 Dec 2011, 319.1 Hobbs. 741.5 hrs TIS Left Engine. Replaced starter adapter with overhauled unit P/N 643259A18 S/N 10-403. T. Humes A&P 2635991 *T. Humes*

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward  $\longrightarrow$

9 Apr 2012, 336.1 Hobbs. 758.5 hrs TIS Left Engine . Replaced spark plugs in #6 cylinder with 2 new Champion P/N RHB32Es. T. Humes A&P 2635991 *[Signature]*

11 May 2012, 341.0 Hobbs. 763.4 hrs TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3. Compression readings #1-66, #2-60, #3-60, #4-68, #5-70, #6-70, master orifice reading 45. Borecope inspection showed normal wear. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing 6 with new Champion P/N RHB32Es. Performed ground run/leak check. T. Humes A&P 2635991 *[Signature]*

24 Aug 2012, 362.4 Hobbs. 784.8 hrs TIS Left Engine. Checked Right and adjusted Left mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-69, #2-60, #3-61, #4-70, #5-66, #6-74, master orifice reading 47. Borecope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system adjustment IAW SID97-3E. Inspected crankshaft IAW SB09-14, no corrosion found. Manufactured and installed doubler to repair left rear baffle. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 *[Signature]*

Date: 8/24/2012 I certify this Engine has been inspected in accordance with a Annual inspection and was determined to be in an airworthy condition and approved for return to service.

Total Time: 784.8 Tach: \_\_\_\_\_  
NAME: M. J. GRAINGER A&P 1278275 IA

SIGNATURE: *[Signature]*

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward  $\longrightarrow$

22 Oct 2012, 391.8 Hobbs, 814.2 TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-70, #2-59, #3-55, #4-67, #5-70, #6-73, master orifice reading 47. Borecope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing one with new Tempest P/N URHB32E. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 *[Signature]*

30 Nov 2012, 395.7 Hobbs, 818.1 TIS Left Engine. Replaced #5 cylinder bottom spark plug with new Champion P/N RHB32E. T. Humes A&P 2635991 *[Signature]*

31 Jan 2013, 400.0 Hobbs. 822.4 TIS Left Engine. Removed fuel manifold valve assembly, P/N 646508-15A13, S/N C00LA001, and reinstalled after overhaul by D&G Supply, #NK2R034L, under w/o 27743 dated 28 Jan 2013. T. Humes A&P 2635991 *[Signature]*



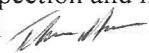
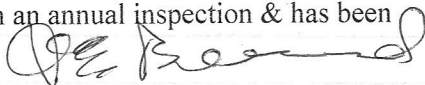


30 Mar 2013, 414.9 Hobbs. 837.3 hrs TIS Left Engine. Removed throttle assembly; reinstalled after overhaul of metering valve by D&G Supply, RS #NK2R034L under w/o #27933 dated 25 Mar 2013. Adjusted idle mixture and speed. Verified throttle operation and fuel injection system adjustment IAW SID97-3E. Checked Left and adjusted Right mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-66, #2-59, #3-60, #4-65, #5-69, #6-69, master orifice reading 47. Borecope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Inspected crankshaft IAW SB09-14, no corrosion found. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 *[Signature]*


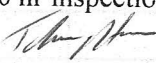
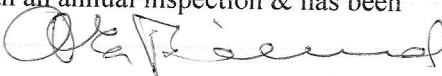



Date: 3/30/2013 I certify this Engine has been inspected in accordance with a Annual inspection and was determined to be in an airworthy condition and approved for return to service.

Total Time: 837.3 Tach: \_\_\_\_\_

NAME: M. J. GRAINGER A&P 1278275 IA

SIGNATURE: *[Signature]*

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
2 Aug 2013,	439.2	Hobbs.	861.6	hrs	TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-68, #2-60, #3-58, #4-62, #5-73, #6-72, master orifice reading 47. Borecope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing one with new Tempest P/N URHB32E. Drained oil, removed oil filter and inspected filter media. Installed new Champion P/N 48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 
9 Dec 2013,	468.7	Hobbs.	3498.7	hrs	TIS Left Engine. Replaced #1 cylinder lower spark plug with new Tempest P/N URHB32E. T. Humes A&P 2635991 
01 Apr 2014,	487.2	Hobbs.	909.6	hrs	TIS Left Engine. Checked mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Lapped cylinder #3 exhaust valve in place to improve valve seating. Compression readings now #1-66, #2-55, #3-67, #4-64, #5-74, #6-66, master orifice reading 46. Borecope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system operation IAW SID97-3F. Inspected crankshaft IAW SB09-14, no corrosion found. AD 2014-05-29 not applicable to this engine, subject cylinder assemblies not installed. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing 2 with new Tempest P/N URHB32E and 2 with new Champion P/N RHB32E. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 
04/01/2014	TTA/C	3517.2	Hobbs	487.2,	909.6 hrs TIS Left Engine I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 
01 May 2014,	489.0	Hobbs.	911.4	hrs	TIS Left Engine. Lapped cylinder #5 exhaust valve in place to improve valve seating and correct high EGT readings. After lapping #5 compression readings now 74, master orifice reading 46. Borecope inspection showed normal valve condition. T. Humes A&P 2635991 
02 Nov 2014,	530.8	Hobbs.	953.2	hrs	TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-69, #2-54, #3-50, #4-54, #5-75, #6-73, master orifice reading 46. Borecope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing 3 with new Tempest P/N URHB32E. T. Humes A&P 2635991 

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
07 Nov 2014	531.7		954.1		TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 
29 Mar 2015	553.4		975.8		TIS Left Engine. Adjusted mag timing IAW MSB94-8D. CW SB96-12, Continued Airworthiness Part I inspection and test procedures. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-71, #2-51, #3-54, #4-50, #5-71, #6-68, master orifice reading 46. Borecope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system operation IAW SID97-3F. Inspected crankshaft IAW SB09-14, no corrosion found. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 
03/29/2015	TTA/C 3583.4		Hobbs 553.4		975.8 hrs TIS Left Engine I certify that this engine has been inspected in accordance with an annual inspection & has been found to be in airworthy condition. A.E.Brillaud IA 1191065 
18 Jun 2015	569.3		991.7		TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Borecope inspection showed normal wear. Lapped cylinder #2 & 3 exhaust valves in place to improve valve seating. Compression readings now #1-66, #2-62, #3-71, #4-60, #5-70, #6-73, master orifice reading 45. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. T. Humes A&P 2635991 
30 Jun 2015	570.1		992.5		TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 
19 Nov 2015	615.9		1038.3		TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Borecope inspection showed normal wear. Compression readings now #1-67, #2-65, #3-75, #4-63, #5-76, #6-65, master orifice reading 45. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing 2 with new Tempest P/N URHB32E. Replaced outboard aft engine mount with new P/N 634673 and installed new alternator belt P/N 539547-31.19. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

01 Apr 2016, 629.2 Hobbs. 1051.6 hrs TIS Left Engine. Checked mag timing IAW MSB94-8D. Inspected magneto distributor blocks IAW SB 15-1 & SB669. CW SB96-12, Continued Airworthiness Part I inspection and test procedures for TCM cylinders. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Compression readings #1-65, #2-60, #3-75, #4-58, #5-73, #6-70, master orifice reading 45. Borescope inspection showed normal wear. CW SB95-7 manifold valve cover inspection. CW SB95-2 Inspection and maintenance of engine control cables and linkage. CW SID96-6, SB653, and SB643B 100 hr ignition system inspections & maintenance. Verified fuel injection system operation IAW SID97-3G. Inspected crankshaft IAW SB09-14. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991



N42HF Cont IO-550E1 s/n 681060 Date April 1, 2016 Left Engine Total Time since new 1051.6

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

Conrad Pierson Shad A&P 1525270 IA *Conrad P Shad*

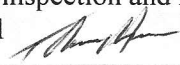
11 Jul 2016, 670.0 Hobbs. 1092.4 hr TIS Left Engine. Performed compression test and borescope inspection IAW SB03-3 & SID 97-2B. Borescope inspection showed normal wear. Compression readings #1-68, #2-58, #3-73, #4-50, #5-74, #6-70, master orifice reading 45. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Removed, cleaned, inspected, and reinstalled fuel injection nozzles. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991



3 Feb 2017, 715.2 Hobbs. 1137.6 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-70, #2-60, #3-66, #4-48, #5-70, #6-64, master orifice reading 45. Borescope inspection showed normal wear. Lapped cylinder #4 exhaust valve in place, compression reading now 57. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Performed Engine Operational Check IAW CM Pub M-0. T. Humes A&P 2635991



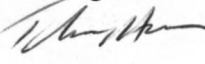

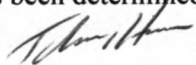
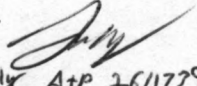

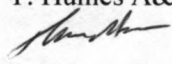
21 Apr 2017, 725.4 Hobbs. 1147.8 hrs TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide, including visual, accessories, cylinders, crankcase, engine mounts, induction system, ignition system, gauges, fuel system, controls, drains, exhaust system, & operational checks. Compression readings #1-67, #2-48, #3-65, #4-60, #5-68, #6-65, master orifice reading 45. Borescope inspection showed normal wear. Lapped cylinder #2 exhaust valve in place to improve seating, compression reading now 56. Adjusted magneto timing. Cleaned fuel injection nozzles and verified fuel system operation. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991

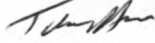
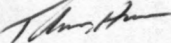
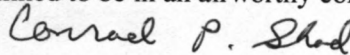
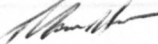


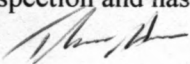
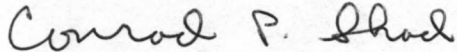


N42HF Cont IO-550E1 s/n 681060 Date April 21, 2017 Left Engine Total Time since new 1147.8

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

Conrad Pierson Shad A&P 1525270 IA *Conrad P Shad*

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<p>18 Aug 2017, 746.2 Hobbs. 1168.6 hrs TIS Left Engine. Removed starter and installed P/N 646275-1, S/N H-R051335, overhauled by Hartzell Engine Technologies, RS #1HZR769B under w/o M042000 dated 15 May 2017. T. Humes A&amp;P 2635991 </p>					
<p>17 Oct 2017, 764.8 Hobbs. 1187.2 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-66, #2-57, #3-67, #4-55, #5-72, #6-60, master orifice reading 45. Borecope inspection showed normal wear. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles. Performed Engine Operational Check IAW CM Pub M-0. T. Humes A&amp;P 2635991 </p>					
<p>23 Apr 2018, 787.4 Hobbs. 1209.8 hrs TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-67, #2-57, #3-52, #4-50, #5-70, #6-66, master orifice reading 45. Borecope inspection showed normal wear except for slight asymmetrical discoloration of #3 exhaust valve. Lapped cylinder #3 exhaust valve in place to improve seating, compression reading now 65. Adjusted magneto timing. Cleaned fuel injection nozzles and verified fuel system operation. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&amp;P 2635991 </p>					
<p>23 Apr 2018, 787.4 Hobbs. 1209.8 hrs TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.  Brian Kelly A&amp;P 2611779 IA</p>					
<p>14 Aug 2018, 806.9 Hobbs. 1229.3 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-65, #2-62, #3-70, #4-51, #5-70, #6-70, master orifice reading 45. Borecope inspection showed normal wear except for slight asymmetrical discoloration of #3 exhaust valve. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&amp;P 2635991 </p>					
<p>28 Jan 2019, 846.3 Hobbs. 1268.7 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-70, #2-59, #3-70, #4-55, #5-70, #6-60, master orifice reading 45. Borecope inspection showed normal wear except for asymmetric discoloration of #3 exhaust valve and slight asymmetry of #2 exhaust valve. Removed cylinder #3 for inspection and repair by Moore Performance Products, CRS #DN6R6909N under W/O #8058 dated 23 Jan 2019. Repair included replacement of exhaust valve, 0.005 oversize exhaust valve guide, &amp; piston rings. Reinstalled cylinder assembly IAW Baron Maintenance Manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Lapped cylinder #2 exhaust valve in place to improve seating. Drained oil and serviced engine with 11 qt Aeroshell 100 Mineral Oil. Performed Engine Operational Check IAW CM Pub M-0. Flight Check required IAW CM Pub M-0. T. Humes A&amp;P 2635991 </p>					

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
16 Mar 2019, 853.2 Hobbs.			1275.6 hrs		TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Exxon Elite 20W-50. Performed ground run/leak check. T. Humes A&P 2635991 
30 Apr 2019, 859.0 Hobbs.			1281.4 hrs		TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-69, #2-55, #3-75, #4-45, #5-60, #6-66, master orifice reading 45. Borescope inspection showed normal wear except for slight asymmetrical discoloration of #4 exhaust valve. Lapped cylinder #4 exhaust valve in place to improve seating, compression reading now 56. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Cleaned fuel injection nozzles and verified fuel system operation. Adjusted idle mixture setting. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 
30 Apr 2019, 859.0 Hobbs.			1281.4 hrs		TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition. Conrad P. Shad A&P 1525270 IA 
22 May 2019, 862.2 Hobbs.			1284.6 hrs		TIS Left Engine. Replaced cylinder #5 lower spark plug with new Tempest P/N URHB32E. T. Humes A&P 2635991 
03 Aug 2019, 896.0 Hobbs.			1318.4 hrs		TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-73, #2-62, #3-71, #4-45, #5-67, #6-62, master orifice reading 45. Borescope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. T. Humes A&P 2635991 
27 Aug 2019, 896.8 Hobbs.			1319.2 hrs		TIS Left Engine. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell W15W-50. Performed ground run/leak check. T. Humes A&P 2635991 
02 Apr 2020, 923.4 Hobbs.			1345.8 hrs		TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-65, #2-58, #3-73, #4-32, #5-60, #6-66, master orifice reading 45. Borescope inspection showed normal wear. Lapped cylinder #4 exhaust valve in place to improve seating, compression reading now 52. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 
02 Apr 2020, 923.4 Hobbs.			1345.8 hrs		TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition. Conrad P. Shad A&P 1525270 IA 

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

23 Jul 2020, 934.7 Hobbs. 1357.1 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-70, #2-30, #3-76, #4-50, #5-62, #6-60, master orifice reading 45. Borescope inspection showed normal wear except for asymmetric discoloration of #4 exhaust valve. Removed #2 & #4 cylinders which were determined to be unrepairable. Installed new Continental Motors cylinder assemblies P/N 658812A2BP, S/N AC20BA991 (#2) & S/N AC20BA995 (#4) with new piston pins P/N 630046 IAW Baron Maintenance Manual, IO-550 Sandcast Series Overhaul Manual, and applicable CM service bulletins. Removed magnetos and reinstalled after repair by Crossfire Magneto Service, see details following. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Removed, cleaned & reinstalled fuel injector nozzles. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell 100 Mineral Oil. Performed Engine Operational Check IAW CM Pub M-0. Flight Check required IAW CM Pub M-0. T. Humes A&P 2635991 *T. Humes*

July 16, 2020 Hobbs: 934.7  
 S6RN-1225, P/N: 10-349350-4, S/N: L080004F  
 Performed 500-hr inspection in accordance with Continental Ignition Systems Manual, P/N X42001-4, dated October 2018. Magneto disassembled, cleaned, inspected, and reassembled with new TCM contact, condenser, bearings, felts, washers, brush, snap rings, distributor gear, fish paper, slinger, DE hardware, and all 100% replacement parts. Impulse coupling replaced with new, P/N 10-400309. Bench tested magneto in accordance with Chapter 3.2 and found output to meet or exceed published minimum limits. This magneto and impulse coupling is in compliance with all applicable ADs and Service Bulletins and is approved for return to service as an uninstalled part.  
*Paul A. Brevard*  
 Paul A. Brevard  
 212668035IA

July 16, 2020 Hobbs: 934.7  
 S6RN-1225, P/N: 10-349350-5, S/N: L210002F  
 Performed 500-hr inspection in accordance with Continental Ignition Systems Manual, P/N X42001-4, dated October 2018. Magneto disassembled, cleaned, inspected, and reassembled with new TCM contact, condenser, bearings, felts, washers, brush, snap rings, distributor gear, fish paper, slinger, DE hardware, and all 100% replacement parts. Magneto shaft replaced with serviceable part. Impulse coupling replaced with new, P/N 10-400309. Bench tested magneto in accordance with Chapter 3.2 and found output to meet or exceed published minimum limits. This magneto and impulse coupling is in compliance with all applicable ADs and Service Bulletins and is approved for return to service as an uninstalled part.  
*Paul A. Brevard*  
 Paul A. Brevard  
 212668035IA

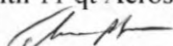
19 Jan 2021, 957.9 Hobbs. 1380.3 hrs TIS Left Engine. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell W15W-50. Performed ground run/leak check. T. Humes A&P 2635991 *T. Humes*

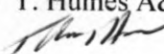
19 Apr 2021, 965.4 Hobbs. 1387.8 hrs TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-70, #2-70, #3-75, #4-74, #5-69, #6-67, master orifice reading 45. Borescope inspection showed normal wear. CW CM SB-18-04A by inspection. Subject flanged nuts not installed. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.  
 T. Humes A&P 2635991 *T. Humes*

19 Apr 2021, 965.4 Hobbs. 1387.8 hrs TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.  
 Conrad P. Shad A&P 1525270 IA  
*Conrad P. Shad*

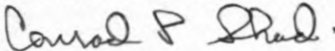
Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

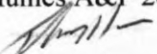
Brought Forward →

21 Dec 2021, 999.6 Hobbs. 1422.0 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-73, #2-71, #3-73, #4-77, #5-67, #6-53, master orifice reading 45. Borecope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs, replacing 2 with new Tempest P/N URHB32E. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell W15W-50. Performed ground run/leak check. T. Humes A&P 2635991 

18 Apr 2022, 1015.5 Hobbs. 1437.9 hrs TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-65, #2-65, #3-75, #4-72, #5-55, #6-52, master orifice reading 45. Borecope inspection showed normal wear except for slight asymmetry of #5 exhaust valve. Lapped #5 exhaust valve in place to improve seating, compression reading now 73. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 

18 Apr 2022, 1015.5 Hobbs. 1437.9 hrs TIS. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.

Conrad P. Shad A&P 1525270 IA 

02 Aug 2022, 1049.1 Hobbs. 1471.5 hrs TIS Left Engine. Performed compression test and borescope inspection IAW CM Pub M-0. Compression readings #1-67, #2-65, #3-71, #4-73, #5-70, #6-52, master orifice reading 45. Borecope inspection showed normal wear. Removed, cleaned, gapped, rotated, and reinstalled spark plugs. Drained oil, removed oil filter and inspected filter media. Installed new Tempest P/N AA48109 filter and serviced engine with 11 qt Aeroshell W15W-50. Performed ground run/leak check. T. Humes A&P 2635991 

24 Apr 2023, 1070.3 Hobbs 1492.7 hrs TIS Left Engine. Performed engine inspections and tests using CM Pub M-0 as a guide. Compression readings #1-60, #2-67, #3-68, #4-65, #5-55, #6-70, master orifice reading 45. Borecope inspection showed normal wear except for slight asymmetry of #6 exhaust valve. I certify that this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition. T. Humes A&P 2635991 