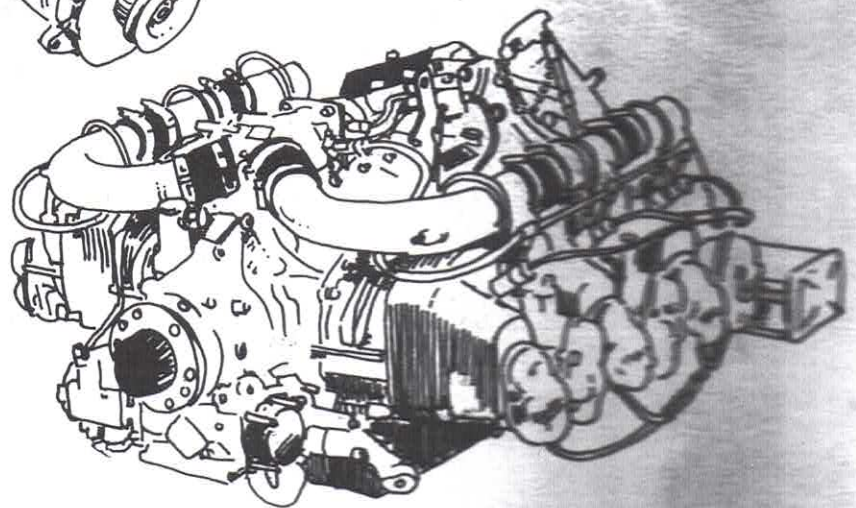
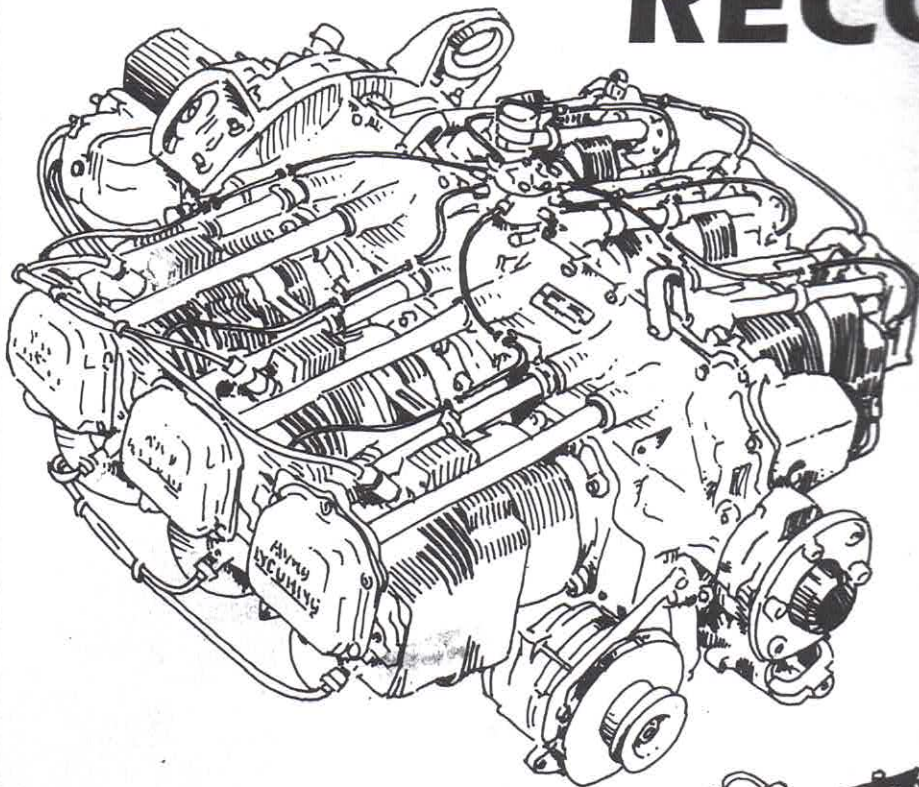


# ENGINE MAINTENANCE RECORDS



**1-800 624-6680**

(In NY 516-298-8330)

**MATTITUCK AVIATION CORPORATION**

410 AIRWAY DRIVE, MATTITUCK, NY 11952

## MATTITUCK AIRBASE, INC. / Limited Piston Engine Warranty

Effective 2/5/88, Mattituck Airbase, Inc., (hereinafter called "MAB"), makes the following warranty to its customer, subject to the limitations, conditions and exclusions set forth below.

**WARRANTY COVERAGE** - For a period of six (6) months after date of delivery to customer, or 240 hours of operation, whichever occurs first, MAB shall repair or replace, at its option, any aircraft engine, accessory, or part which is found to be defective, to MAB's satisfaction, within said warranty period.

For engine warranty after six (6) months from date of delivery to customer and prior to the expiration of the original manufacturer's recommended time between overhaul ("TBO"), the cost of repair or replacement (including the cost of parts and labor), at MAB's option, shall be prorated in the following manner. The customer shall pay the net price for a newly rebuilt engine equal to the current list price for the engine divided by the manufacturer's recommended TBO, and then multiplied by the number of hours on the repaired or replaced engine (which shall be deemed the greater of the actual logbook hours, recorded tachometer hours or time at forty (40) hours per month from the date of delivery). Reasonable labor costs associated with the repair of a warranted engine shall be prorated in the same manner on the basis of a flat rate schedule established by MAB.

After the initial six (6) months from date of delivery or 240 hours of operation, MAB will not assume any responsibility for the repair or replacement of engine accessories, e.g. magneto, starter, alternator, ignition harness, turbocharger, etc.

Replacement parts supplied for warranted engines still covered by manufacturer's warranty are supplied on an exchange basis. MAB will pursue warranty claims with the manufacturer on the owner's behalf. Any allowance by the manufacturer will be credited to the operator's account.

The repair or replacement of any part under the foregoing warranty shall not extend the periods of warranty coverage set forth above. MAB reserves the right to change the price or specifications of any engine or part at any time.

**CONDITIONS AND PROCEDURES FOR OBTAINING WARRANTY WORK** - The foregoing warranty shall be effective only if the engine or component to be serviced is returned to MAB's facility at customer's expense, together with particulars in writing of the nature of the defect. The customer or his representative should contact MAB for verification and authorization of warranty prior to return and/or repair. Written authorization must be obtained from MAB before repairs covered by warranty can be

performed other than by MAB. In no event shall allowable labor costs exceed local published shop rates. The foregoing warranty shall apply if and only if the engine has been properly installed and maintained in accordance with current approved standards of the FAA and current recommendations of the manufacturer as specified in applicable factory manuals and service bulletins. The performance of recommended inspections and maintenance must be documented by logbook entries which must accompany any engine returned for warranty work. Defects must be discovered within the warranty period and MAB must be given prompt notice thereof in writing, within ten (10) days after discovery.

**LIMITATION, EXCLUSIONS, AND DISCLAIMERS** - MAB shall not assume freight charges, transportation or delivery expenses, costs, or airframe repairs, all of which are excluded under this warranty. MAB does not warrant parts, materials or services supplied which are covered by manufacturer's warranty. This warranty shall not apply to any engine which has been subject to misuse, neglect, accident or damage from the elements, or which has been installed, repaired or maintained or altered in any manner which, in the judgement of MAB, has had an adverse effect on the engine or part. This warranty shall not apply to any engine which has been operated under conditions which exceed the manufacturer's recommendations. This warranty shall not apply to any engine which has been repaired or altered, in any manner other than by MAB, or its representative.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE WHICH WARRANTIES ARE HEREBY EXCLUDED. MAB liability hereunder shall be limited to the repair or replacement of any engine or part found to be defective within the applicable warranty period as set forth above. IN NO EVENT SHALL MAB BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE WHETHER ARISING IN CONTRACT OR TORT, INCLUDING STRICT LIABILITY ON TORT OR NEGLIGENCE ON THE PART OF MAB. The foregoing limitations and exclusion with respect to implied warranties and the exclusion of incidental or consequential damages may not apply in those states which prohibit such limitation or exclusions. This warranty gives customer specific legal rights, and the customer may have other rights which vary from state to state.

Work Order No. 12248  
Engine Serial No. L-3760-61A



Airway Drive  
Mattituck, N.Y. 11952  
Tel: (516) 298-8330



# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. \_\_\_\_\_

Engine Manufacturer \_\_\_\_\_

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

Right

Front

Left

Rear

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Mattituck Airbase Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All applicable Airworthiness Directives and mandatory Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 12248 DATED 14 DEC 94  
 MFG. LYCOMING MODEL T10-540-C1A  
 Serial No. L-3760-61A Time in svc. 1947



**MATTITUCK AIRBASE INC.**

F.A.A. REPAIR STATION # QX2R125L  
 AIRWAY DRIVE, MATTITUCK, L.I., N.Y. 11952

*Sheldon P. Russell*

Authorized Signature

Date 14 DEC 94

The accessories listed below were overhauled by Mattituck Airbase, Inc. in accordance with applicable manufacturer's service & parts manuals & installed on the engine:

The accessories listed below were new and installed on the engine:

Item	Part No.	Serial No.
RT MAG	10-349310-1	A128845
LT MAG	10-349290-1	A124560
STARTER	M14016	3L000225
CONTROLLER	470884-4	EA0122
CONTROLLER	470886-2	SAR0109
Servo	2524359-10	51941
TUBo	406610-9021	NFR0161
WASTGATE	470818-3	KE0172
PLENUM	LW 15589	

Item	Part No.	Serial No.
ALTERNATOR	ALU-8421	10 T20943
Fuel Pump	RG179805	C-682-3402
4-104 SN	A34275	installed

MATTITUCK AIRBASE INC.  
 FAA Repair Station QX2R125L  
 W.O. No. 12248



*Sheldon P. Russell*

Authorized Signature

PLEASE ENTER TOTAL ENGINE TIME  
 IN THE SPACE PROVIDED ON THE  
 ENGINE OVERHAUL CERTIFICATE IN  
 THIS LOG BOOK.



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
				TOTALS brought forward from previous page
2/1/95	1947	0	266	Reinstalled this engine in left position on PA23-250 N713EC this date. Installation included the following— all new hoses, overhauled oil cooler, new motor mounts, new cooling baffle seals, new turbo blankets, overhauled accessories, overhauled turbo + controllers, reconditioned exhaust system, overhauled prop governor. Checked + adjusted controls. Serviced with Phillips 20/50M Run up + checked for leaks -OK. 40 minute test flight - OK. CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>100 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION <u>Serge Kemmer ATP 159500992</u>
3-8-95		29	295.1	CHANGED OIL AND FILTER, checked Filter Found clean. Serviced with Phillips 20/50M. Run up leak checked <u>Serge Kemmer ATP 159500992</u>
3-30-95			296.6	QWAD-95-07-01. Inspected For Bogus Rod Bolts. Removed oil 1,3,5, Inspected All 12 Rod Bolts AND Found All Properly Identified Reassembled eng AND Test Run Found OK <u>Serge Kemmer ATP 159500992</u>
				SUB-TOTALS this page
				TOTALS—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
1-1-97	2055	108.	3748	TOTALS brought forward from previous page
				changed oil and filters serviced with shell 15/50 checked Timing Compression Test: 1 <sup>75</sup> / <sub>80</sub> 2 <sup>76</sup> / <sub>80</sub> 3 <sup>79</sup> / <sub>80</sub> 4 <sup>77</sup> / <sub>80</sub> 5 <sup>72</sup> / <sub>80</sub> 6 <sup>72</sup> / <sub>80</sub> swapped wastegates L&R + R&L For trouble shooting of fluctuating M.P. Run up and checked OK I certify that this engine has been inspected IAW AN 100 hr Inspection AND WAS determined to be in airworthy condition Glenn Kennard APL 159500992 IA
9-8-97	2075	128	394	Installed Differential controller from R engine for trouble shooting changed oil + filter serviced with shell 15/50 oil run up and check OK I certify that this engine has been inspected IAW AN 100 hr Inspection and determined to be in airworthy condition Glenn Kennard APL 159500992
MOD PA-23-250 S/N 27-7554151 REG # N713EC ENG MOD TIO-540-C1A ENG S/N L-3760-61A				CUTTER AVIATION, INC. 2802 OLD TOWER ROAD PHOENIX ARIZONA 85034 FAA REPAIR STATION # EKGR571D Left Engine W/O # J3971 HOUR METER 459.9 Changed oil and filter, serviced with Aeroshell 15w50; oil sample taken for analysis; old oil filter cut open and inspected; cylinder compression: #1 65/80 #2 70/80 #3 74/80 #4 70/80 #5 73/80 #6 74/80; cleaned, gapped, tested and rotated spark plugs; propeller governor repaired and resealed by Ottosen Propeller & Accessories, Inc. on their w/o # 49389; replaced fwd crankshaft seal; ground fan, leak checked OK. DATE: 1/22/98 SIGNED: <i>Glenn Kennard</i> *****END*****


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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
<p>Date: 10/14/99 N713EC WO2082 <b>Concord Aviation Services</b>                      Hobbs: 524.9 71 Airport Rd.                      SMOH: 258.9 Concord, NH 03301                      Left Engine                      Drained oil, removed and cut filter for inspection and found no metal. Refilled with 12 qts. of Aeroshell 15W50 oil, installed new filter P/N 48110.</p>				
<p>David Linares <i>D Linares</i> Cert.# 143582905 A&amp;P</p>				
<p>Date: 12-07-99 N713EC WO2113 <b>Concord Aviation Services</b>                      Tach: 525.4 71 Airport Rd.                      SMOH: 259.4 Concord, NH 03301  <b>LEFT ENGINE</b></p>				
<ol style="list-style-type: none"> <li>Engine compression tested. Cyl #1-78 Cyl#2-75 Cyl#3-73 Cyl#4-78 Cyl#5-76 Cyl#6-77</li> <li>Fuel control arm on throttle body slightly loose. Applied one turn to adjustment screw to engage more thread.</li> <li>Cleaned, inspected and gapped all spark plugs.</li> <li>CW AD 98-18-12 AN rotary fuel pump. Screws below allowed 23 inch/lbs. Retorqued and safety wired. Next inspection due in 50 hrs (575.4) or 6 months.</li> <li>CW AD 93-02-05 Fuel injector lines. All fuel lines check good. Next due 625.4 or annual inspection.</li> </ol>				
<p>I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in airworthy condition.</p>				
<p>David Linares <i>D Linares</i> Cert.# 143582095 A&amp;P</p>				
1-5-2001	2,238.9	290.9	556.9	<p>Drained the oil, removed the filter, cut open &amp; inspected, cleaned suction screen, installed new oil filter, re-filled with 15W 50 AeroShell oil, cleaned injector screen and air filter, completed compression check &amp; all cylinders are <sup>70%</sup> 70% or better, cleaned and gapped plugs, checked magnets &amp; timing to engine, complied with ADs 93-02-05 Inspection of Fuel injector lines &amp; 98-18-12 Fuel pump screws for torque. I certify that this aircraft engine has been inspected I/Al/aw a 100hr/Annual inspection and is in airworthy condition. <i>David Linares N713EC</i></p>

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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
3-8-01			587.3	DRAIN OIL REMOVED + OOT OPEN FILTER + FOUND NO METAL / REFILL WITH AEROSEAL 15W50 INSTALL A NEW 0448110 FILTER RUN ENGINE OPS CHECK FOR LEAKS OR <i>[Signature]</i> AYP 1537483
11-21-01			602.2	Drained oil, removed, cut open filter, found normal, installed new filter and refilled with 15W50 AeroShell oil, run engine and leak checked <i>[Signature]</i> AYP 1473613
1-11-02	2,318.41	370.41	636.41	Drained the oil, removed filter, cut open & inspected, installed new filter, inspected section screen, refilled with 15W50 AeroShell oil, completed compression test and all cylinders are <sup>72</sup> 90 or better, checked gapped & retule plugs, checked magneto timing to engine, complied with AD 93-02-05 "Fuel Injector Lines" by inspection, installed engine driven fuel pump from R/H engine, unit P/N RB 17980J S/N B-7662-3402 for trouble shooting purposes on R/H engine fuel flow fluctuation, AD 98-18-12 "Fuel Pump Screw Torque" checked torque, AD no longer applicable, see aircraft file for full AD note compliance listing. I certify that this aircraft engine has been inspected I/A/W a 100hr inspection and is in airworthy condition. <i>[Signature]</i> AYP 1473613
				<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
				TOTALS brought forward from previous page
5-29-02	2350.3	402.3	668.3	Drained oil, removed filter, cut open & inspected, installed new filter, re-filled with AeroShell 15W50, replaced plugs with Champion REB 37E, changed density controller from R/H engine for troubleshooting fuel flow fluctuation on R/H engine. <i>William J. Miller</i> A+P 1473613
3-6-03	2382.7	434.7	700.7	Drained oil, removed filter, cut open, inspected, installed new filter & re-filled with 15W50 AeroShell oil, completed compression test & all cylinders are <sup>70</sup> / <sub>80</sub> or better, checked all plugs & timing to engine, C/W AD 02-26-01 "Fuel Injector Lines" by inspecting I/O/W MSB 342 D, See aircraft "Flight Manual" for full AD note compliance listing & next due. I certify that this aircraft engine has been inspected I/O/W a 100 hr / Annual inspection and is in air worthy condition. <i>William J. Miller</i> A+P 1473613 IA
4-26-04			755.2	ENGINE OIL DRAINED AND REPLACED WITH SHELL 15/50 AND 2 CONS OF AUBLEND <i>NUMER 1473613 IA</i>
4-1-04	2445.3 <del>2382.7</del>	497.3 <del>434.7</del>	763.3	Removed Oil Filter, cut open, inspected, installed new filter, completed compression test and all cylinders are <sup>70</sup> / <sub>80</sub> or better, cleaned & gapped plugs, removed both mags for 500hr inspection, L/H unit replaced with overhauled S/N A34275, 500hr insp. on R/H & L/H OIA completed by <i>CRS PL49496M</i> (Executive Accessories - Ft Lauderdale, FL)
				SUB-TOTALS this page — Continued on next page —
				TOTALS — 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
4-1-04	2445.3	497.3	763.3	<b>TOTALS</b> brought forward from previous page <i>Continued From Prev. Pg.</i>
				under WDs 28600 & 28596, mags installed & timed to engine, cleaned injector inlet screen & replaced induction air filter with Brackett BA-3510 assy. See 237 Form this date, C/W DA-26-01 "Fuel Injector Lines" by inspecting I/O/W MSB 342 D, see "Aircraft Flight Manual" for full AD note compliance listing and when next due, I certify that this aircraft engine has been inspected I/O/W a 100 hr. inspection and is in airworthy condition.
				<i>Arthur J. Miller #P 1473113</i>
4-28-04			793.0	Changed oil Replaced with 15/50 POC
10-15-04			811	Changed oil & filters Replaced w/12 qts AeroShell 15/50 POC
2-15-05			856.0	Changed oil & filters Replaced w/12 qts 15/50 AeroShell POC
2-15-05			856.0	Complied with AD 02-26-01 by inspecting Fuel injector lines I/O/W SB 342 D.
				<i>Arthur J. Miller #P 1473613</i>
7-1-05	2,950.2	602.2	868.2	Drained oil, removed filter, cut open & inspected, installed new filter and re-filled with 15W 50 PetroShell oil. completed compression test & all cylinders are <sup>70</sup> 80 or better, cleaned & gapped all plugs, checked magneto timing to engine, serviced main & fuel injector inlet screens. Replaced: Air inlet filter element & vacuum pump with Aero Accessories, Inc. Tempest model AA 441cc-7 S/N N28561
				Complied with AD's 02-26-01 by inspecting fuel injector lines I/O/W MSB 342 D
				<b>SUB-TOTALS</b> this page — <i>Continued on next page</i> —
				<b>TOTALS</b> —Carry forward to next page

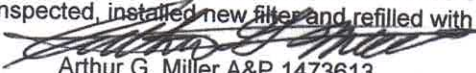
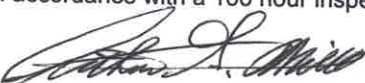
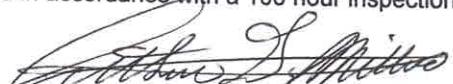
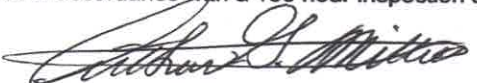


DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
7-1-05	2,850.2	602.2	868.2	Continued from previous page — 03-14-03 by inspecting rotary fuel pump for leaks, see aircraft file for full AD note compliance listing and when next due. I certify that this aircraft engine has been inspected I/A/W a 100hr. inspection and is in airworthy condition. — <i>Arthur G. Miller</i> A&P 1473613
10/3/05 u/63739			897.5	DRAIN OIL. REMOVE AND CUT FILTER FOR INSPECTION AND FOUND <u>NORMAL</u> REFILLED WITH <u>12</u> QTS OF <u>AEROSHELL 15W50</u> OIL, INSTALLED NEW FILTER P/N <u>CH48110-1</u> . <i>Merard</i> A&P 2601813
				<b>ENGINE LOG BOOK ENTRY - N 713EC</b>
Date: 5-18-06		Hour Meter: 918.3		Total Time: 2900.3
Make: Textron Lycoming		Model: T10-540-C1A		Serial Number: L-3760-61A
<p>Drained oil, removed oil filter, cut open, inspected, installed new oil filter. Refilled with: Aershell 15W50 oil, Cleaned and gapped all spark plugs, checked magneto timing to engine, cleaned fuel injector Inlet fuel screen, Replaced Brackett induction air filter element.</p> <p>Completed compression test I/A/W Lycoming S.I. No. 1191, All cylinder compression readings are 71/80 or better.</p> <p>Complied with following A.D. Note(s): (See aircraft file for A.D. Note compliance listing &amp; when next due)            02-26-01 C/W Par. (c) by inspecting fuel injector lines I/A/W M.S.B.#342D            03-14-03 By inspecting rotary fuel pump for leaks</p> <p>I certify that this aircraft engine has been inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.</p> <p style="text-align: right;"><i>Arthur G. Miller</i> Arthur G. Miller A&amp;P 1473613</p>				
				<b>ENGINE LOG BOOK ENTRY - N 713EC</b>
Date: 7-10-06		Hour Meter: 948.6		Total Time: 2930.6
Make: Textron Lycoming		Model: T10-540-C1A		Serial Number: L-3764-61A
<p>Drained the oil, removed the filter, cut open and inspected, installed new filter, refilled with AeroShell 15W50. Test run and leak checked.</p> <p style="text-align: right;"><i>Arthur G. Miller</i> Arthur G. Miller A&amp;P 1473613</p>				


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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
<b>ENGINE LOG BOOK ENTRY – N 713EC</b>				
Date: 11-25-06	Hour Meter: 966.0	Total Time: 2948.0	TSMOH: 700.0	
Make: <b>Lycoming</b>	Model: TIO-540-C1A	Serial Number: L-3760-61A		
Drained the oil, removed the filter, cut open and inspected, installed new filter and refilled with 15W50 AeroShell oil.				
 Arthur G. Miller A&P 1473613				
<b>ENGINE LOG BOOK ENTRY – N 713EC</b>				
Date: 6-13-07	Hour Meter: 975.0	Total Time: 2957.0	TSMOH: 709.0	
Make: Lycoming	Model: TIO-540-C1A	Serial Number: L-3760-61A		
Drained oil, removed oil filter, cut open, inspected, installed new oil filter. Refilled with: Aeroshell 15W50 oil, Cleaned and gapped all spark plugs, checked magneto timing to engine, cleaned fuel injector And inlet fuel screen.				
Replaced: Brackett induction air filter element, inboard rocker box cover gaskets with RG-75906.				
Completed compression test I/A/W Lycoming S.I. No. 1191 All cylinder compression readings are 70/80 or better.				
<b>Complied with following A.D. Note(s):</b> (See aircraft file for A.D. Note compliance listing & when next due) <b>02-26-01 C/W Par. (c) by inspecting fuel injector lines I/A/W M.S.B.#342D</b>				
I certify that this aircraft engine has been inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.				
 Arthur G. Miller A&P 1473613				
<b>ENGINE LOG BOOK ENTRY – N 713EC</b>				
Date: 5-23-08	Hour Meter: 1005.6	Total Time: 2987.6	TSMOH: 739.6	
Make: Lycoming	Model: TIO-540-C1A	Serial Number: L-3760-61A		
Drained oil, removed oil filter, cut open, inspected, installed new oil filter. Refilled with: Aeroshell 15W50 oil, Cleaned and checked gap on all spark plugs, checked magneto timing to engine, cleaned fuel injector inlet fuel screen.				
Replaced: Brackett induction air filter element.				
Completed compression test I/A/W Lycoming S.I. No. 1191 All cylinder compression readings are 68/80 or better.				
<b>Complied with following A.D. Note(s):</b> (See aircraft file for A.D. Note compliance listing & when next due) <b>02-26-01 C/W Par. (c) by inspecting fuel injector lines I/A/W M.S.B.#342D</b>				
I certify that this aircraft engine has been inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.				
 Arthur G. Miller A&P 1473613				
<b>ENGINE LOG BOOK ENTRY – N 713EC</b>				
Date: 6-1-09	Hour Meter: 1042.0	Total Time: 2724.0	TSMOH: 776.0	
Make: Lycoming	Model: TIO-540-C1A	Serial Number: L-3760-61A		
Drained oil, removed oil filter, cut open, inspected, installed new oil filter, refilled with Aeroshell 15W50 oil, Cleaned and checked gap on all spark plugs, checked magneto timing to engine.				
Replaced: Brackett induction air filter element, engine breather elbow at crankcase P/N 458-952.				
Completed compression test I/A/W Lycoming S.I. No. 1191 All cylinder compression readings are 70/80 or better.				
<b>Complied with following A.D. Note(s):</b> (See aircraft file for A.D. Note compliance listing & when next due) <b>03-14-03 C/W Par B 4 by visual inspection of fuel pump for fuel leaks</b>				
<b>08-14-07 C/W Par. (j) &amp; (k) by inspecting fuel injector lines I/A/W M.S.B.#342E</b>				
I certify that this aircraft engine has been inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.				
 Arthur G. Miller A&P 1473613				


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DATE

Reg #: N713EC

Tach Time: 1052.1

(L)Total Time: 2734.1

Date: 5/25/2011

Model: IO540-C1A

SMOH: 786.1

Ser. No: L-3760-61A

Checked and lubed all controls, checked compression #1 71/80, #2 76/80, #3 70/80, #4 73/80, #5 74/80, #6 75/80 drained oil and filled with 10 quarts Aeroshell 15W50, checked filter-no debris noted, installed new filter, cleaned gapped and tested plugs, checked mag points and timing, checked heater mufflers and shrouds, checked fuel screens, checked and complied with AD's as necessary-see T-data sheets. All work accomplished for annual inspection this date.

I certify that this engine has been inspected in accordance with an annual inspection using FAR 43 appendix D as a guide and is determined to be airworthy at this time.

Robert Glen Horne, Jr.

A+P 2374

SERVICEABLE

Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name Ascutney Air

Work Order No. 106,401

Date 7-18-12

Inspected by R. Dawley

**Dawley Aviation**  
140 Industrial Dr.  
Burlington, WI 53105  
1-800-338-5420  
FAA CRS No. NJ5R069N

8/3/12	1072.8 HOBBS	806.8 TSMOH A/C RUN	
	CLEANED ENGINE - DRAINED OIL - C/W CON		
	(5) 73 (6) 78 OVER 80 - INSPECTED INSIDE OL		
	SUMP SCREEN - FOUND OK - INSTALLED		
	EXHAUST ELITE 20/50 - SERVICED SI		
	BRACKETT AIR FILTER ELEMENT - CC		
	FUEL PUMP - LUBED CONTROLS + TURBO		
	BARE STARTER LOAD - REPAIRED ALTERNATE		
	BASE SCREWS - SEALED EDGES OF TANK		
	COOLER FINS - INSULATED MIXTURE CARB		
	APPLIED LPS TO UPPER ENGINE MOUNT TUBING TO FIREWALL MOUNTING		
	REMOVED CRACKED EXHAUST TAIL PIPE + SENT OUT - INSTALLED SERVICEABLE		
	ONE - SEE TAG - INSTALLED SENSORS FOR INSIGHT G4T		
	ENGINE ANALYSER TO BE OBTAINED + INSTALLED IN THE FUTURE -		
	THIS ENGINE WAS SERVICED + INSPECTED USING PIPER MAN INSPECTION		
	REPORT 230-205 1 THRU 6 AS A GUIDE - THIS ENGINE WAS INSPECTED		
	IAW FAR PART 43 APPENDIX D SCORE + DETAIL ANNUAL INSP.		
	ENGINE AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION		
	AT THIS TIME -  FA 8560759		
	SEE AD COMPLIANCE RECORDS		

SUB-TOTALS this page

TOTALS - 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
				TOTALS brought forward from previous page
10/1/14		915.5	1181.5	RAN UP A/C FOR ANNUAL INSPECTION! DRAINED HOT OIL - C/W COMP ✓ # 1 70/80 2 71/80 3 75/80 4 74/80 5 74/80 6 72/80 INSPECTED INSIDE OLD FILTER + SUMP SCREEN BOTH OK - INSTALLED NEW CH 48110-1 AND 10qts EXXON ELITE 20/SOW OIL - SERVICED PLUGS - INSTALLED PROP CABLE HEAT SHIELDS NEAR PWD EXHAUST PIPE - CHECKED EXHAUST CLAMPS - CHECKED INTAKE + EXHAUST FLANGE BOLT + NUTS FOR TIGHTNESS - SECURED TANNIS HEATER PAD THERMOSTAT BETTER - INSULATED # 5 CHI PROBE - ADJUSTED IDLE SETTING - BORESCOPED EXHAUST VALVES - REPLACED LOOSENING RIVETS ON ALTERNATE AIR DOOR VALVE SHAFT - C/W AD 2003-14-03 ROTARY FUEL PUMP VISUAL INSPECTION - C/W AD 08-14-07 EXTERNAL FUEL INTAKE LINE INSPECTION - REPLACED AIR FILTER ELEMENT - CLEANED FUEL SERVO SCREEN - CHECKED + LUBED CONTROLS + WASTEGATE VALVE - THIS ENGINE WAS SERVICED + INSPECTED USING PIPELIM INSPECTION REPORT # 230-205 P1 TURN P 6 AS A GUIDE - THIS ENGINE WAS INSPECTED IAW FAR PART 43 APPENDIX D SCOPE AND DETAIL ANNUAL INSPECTION ENGINE AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME - Steph Mc DA 8560759
3-25-15		1212.6		Drained hot oil. Removed oil filter. Installed new oil filter. Added 10 qts. of Exxon Elite 20W50 oil. Ran up; checked for leaks James I. Evans / James I. Evans ATP2210678
				SUB-TOTALS this page
				TOTALS—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
10/7/15	<del>950.9</del> 950.9	1216.9		<p>ENGINE RUN UP FOR ANNUAL - C/W COMP ✓ 1 70/80 2 73/80 3 69/80 4 74/80 5 74/80 6 73/80 DRAINED OIL - CHECKED SUMP SCREEN + INSIDE OIL FILTER - FOUND OK - SERVICED WITH 10 1/2 QTS DIE EXXON BLUE 20/50 - SERVICED PLUGS - INSTALLED NEW CH48/110-1 AND NEW BA 350S AIR FILTER ELEMENT - CHECKED FUEL SERVO SCREEN + CLEANED - CHECKED FUEL FILTER ELEMENT - LUBED CONTROLS SENT FUEL PUMP OUT FOR OVERHAUL TO QUALITY AIRCRAFT DUE TO LEAKAGE - INSTALLED OVERHAULD PUMP LEAK + RUN UP TESTED - REMOVED ALTERNATOR + REPAIRED WITH HARTZELL ENGINE TECHNOLOGIES OVERHAULD UNIT S/N H-P011141 - BORESCOPE INSPECTED EXHAUST VALVES - FOUND OK - TIGHTENED VALVE COVER SCREWS THAT WERE LOOSE - REPLACED COOKED #306 - 4 DRAIN HOSES - SENT OUT TAILPIPE FOR WELD REPAIR - RE-INSTALLED - RESEARCHED AD'S C/W AD 11-26-04 FUELING INSPECTION FOR MSB # 3426 - THIS ENGINE WAS SERVICED + INSPECTED USING PIPER MM INSPECTION REPORT # 230-205 AS A GUIDE - THIS ENGINE WAS SERVICED + INSPECTED IAW FAR PART 43 APPENDIX D SCOPES + DETAIL ANNUAL INSPECTION ENGINE AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION @ THIS TIME - <i>Steph</i></p>
				DA8960759

5/12/16  N: 713EL Hobbs Tact: 1246.2 HM/TT: \_\_\_\_\_

5/12/16

1-Removed Inop 1/2 fuel pump due to current overload. P/N B8001-H1 S/N 61470-

2- Replaced w/ O/H B8001-H S/N 146021 o/h by CRC QYIR 3344 w/ O # 015096 dated 5-10-2016, ops test ok.

*Zh* 5/12/16



QUANTITY	PART NUMBER	DESCRIPTION	SALE AMOUNT
2	18A26093	BEARING	472.52
6	18D26096	BEARING	262.56
12	18M26105	BEARING	318.00
12	75060	BOLT	916.32
12	LW12186	NUT	70.92
8	71907	WASHER	239.60
1	LW14820	RING	13.84
1	STD2247	BOLT	28.03
1	AN565B1032H5	SET SCREW	4.98
1	05K23463	GEAR KIT	808.81
2	67542	BEARING	148.38
1	STD-95	KEY	16.76
2	STD2048	HOSE	16.60
4	LW12136	CUSHION	29.60
4	LW16266-25-25	CLAMP	11.04
6	STD1821	HOSE	14.70
6	69603	HOSE	50.94
6	74493	HOSE	80.34
12	951391	O-RING	30.12
1	MS16562-28	PIN	8.88
1	STD1932	BUSHING	126.18
1	75330	HOSE	185.53
2	LW16266-25-63	CLAMP	16.70
3	LW16266-25-75	CLAMP	25.05
12	LW16266-10-75	CLAMP	36.12
12	LW16266-10-13	CLAMP	31.20
1	LW16266-25-31	CLAMP	46.25
1	LW16266-10-81	CLAMP	123.97
1	LW10683	GASKET SET	1,401.57
1	76155	TACH SHAFT	190.27
6	LW13790	ROCKER SHAFT	158.58
12	LW12892	BOTTON	67.56
8	76220-P01	STUD	1,564.24
1	STD-2168	NUT	22.07
1	STD-1737	RING	3.60
2	STD-2048	HOSE	8.30
1	LW-16626-10-25	CLAMP	5.63
TOTAL			7,555.76

MISCELLANEOUS PARTS

QUANTITY	PART NUMBER	DESCRIPTION	SALE AMOUNT
MISCELLANEOUS PARTS			
TOTAL			7,555.76

**Triad Aviation, Inc.**  
**FAA Repair Station #PP4R448M**  
 3439 South Aviation Drive  
 Burlington, NC 27215  
 Telephone (336) 227-1467


NAME: AGL Aviation--James and Janet Evans, owners  
 ADDRESS: 3566 Morganton-Lenoir Airport Avenue  
 Morganton, NC 28655

(828) 391-8645	INVOICE /
EMAIL: Tamara@aglavi	WORK ORDER
CELL	NO. 23092
MAKE: Lycoming	DATE: 11/23/2016
MODEL: TIO-540-C1A	WRITTEN BY: JMK
REGISTRATION NO. N713EC	P.O. NO.
SERIAL NO. L-3760-61A	TACHOMETER

INSTRUCTIONS/WORK DESCRIPTION

**Disassemble Lycoming TIO-540-C1A engine serial number L-3760-61A for repair.**  
 Disassembled Lycoming TIO-540-C1A engine serial number L-3760-61A for repair. Cleaned, inspected, magnafluxed, and repaired as needed. Replaced parts as listed.  
 Reassembled IAW Lycoming Overhaul Manual and FAA Regulations.  
 Cam kit - P/N 05K22755 new from Lycoming lot #MS-471963  
 Cylinders - Repaired as needed. Cleaned, inspected, replaced exhaust valve and studs, milled exhaust port, honed barrels, refaced seats and intake valves, lapped and leak check ok.  
 CW 2004-05-24 C To prevent the loss of all engine power CW per SB 554 installed bolt P/N STD-2247 CW 2004-10-14 C To prevent loosening or failure of the crankshaft gear retaining bolt CW per SB 475C CW 2015-02-07 To prevent the propeller governor shaft set screw from coming loose CW per SI 1343B CW 2015-19-07 To prevent failure of the fuel injector fuel lines CW per SB 342G

**Test Run:** Test ran Lycoming TIO-540-C1A engine serial number L-3760-61A for 2 hours 15 minutes, RPM 2575, oil pressure 81, oil temperature 194, CHT 372. Magneto check at 2100 RPM, L 120 RPM R 120 RPM. Compression test cylinder #1 77/80 #2 75/80 #3 75/80 #4 75/80 #5 76/80 #6 77/80.

This engine and/or component is approved for return to service. All pertinent details on file this repair station. TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M.  
 Signed:  Date: 01/30/2017

ENGINE LABOR	8,800.00
TOTAL PARTS	7,555.76
MISCELLANEOUS PARTS	
ENGINE TRANSPORTATION	425.00
TAX EXEMPT	
TOTAL	25,500.76

I hereby authorize the following work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above aircraft to secure the amount of repairs thereon.  
 You will not be held responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.  
 X



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	HOURS OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/21/16		991.0	1257.0	Drained hot oil. Removed oil filter. Installed new Tempest 48110-2 oil filter. Added 10 qts. of Exxon Elite 20W50 oil. Ran up engine; checked for leaks; none noted.  James I. Evans / James I. Evans ATP-2210678
11-22-16		1011.0		Engine removed for repairs due to metal in suction screen and oil filter.  ZNM AP 3118643

**Disassemble Lycoming TIO-540-C1A engine serial number L-3760-61A for repair.**

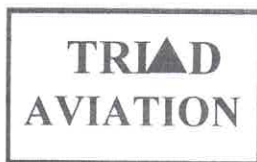
Disassembled Lycoming TIO-540-C1A engine serial number L-3760-61A for repair. Cleaned, inspected, magnafluxed, and repaired as needed. Replaced parts as listed.

Reassembled IAW Lycoming Overhaul Manual and FAA Regulations.

**Cam kit** - P/N 05K22755 new from Lycoming lot #MS-471963

**Cylinders** - Repaired as needed. Cleaned, inspected, replaced exhaust valve and studs, milled exhaust port, honed barrels, refaced seats and intake valves, lapped and leak check ok.

**Test Run**- Test ran Lycoming TIO-540-C1A engine serial number L-3760-61A for 2 hours 15 minutes, RPM 2575, oil pressure 81, oil temperature 194, CHT 372. Magneto check at 2100 RPM, L 120 RPM R 120 RPM. Compression test cylinder #1 77/80 #2 75/80 #3 75/80 #4 75/80 #5 76/80 #6 77/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station. wo# 23092



Triad Aviation, Inc.  
Burlington Municipal Airport  
3439 South Aviation Drive  
Burlington, NC 27215  
336-227-1467

*[Signature]*  
Authorized Signature

01/30/2017

Date

27-17	2958	1011.0	1272.0	Re-installed engine and prop. after repairs by Triad aviation and ground run per Lyc SI 1427 C after service w/ 12 qts Exxon Elite 20/50 & new 48110-2 filter  ZNM AP 3118643
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\*See next page

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# SERVICEABLE

Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name AGL Aviation Services

Work Order No. 114975

Date 1-30-17

Inspected by Keith J. Mace

## Dawley Aviation

140 Industrial Dr.  
Burlington, WI 53105

1-800-338-5420

FAA CRS No. NJ5R069N

TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	TOTALS brought forward from previous page
	Installed Aartzell engine technologies turbochargers PN 40660-9021 w/ # m876800 9/14/16 and all new heat shields p/n 4-652568-3, 5 and -7. New Turbo oil gaskets.
	Installed o/H Y pipe & turbo risers, 7611 gaskets LW17281, 78054, 78087 & LW16901 repaired by Dawley Aviation w/ # 114975 1-30-17
	Installed all new spark plugs UREB37E (12)
	Installed engine driven accessories w/ new gaskets, new prop gov gasket m59144-01. Installed all baffling, air box. Re-install all engine monitor probes and sensors, pre-oil turbo IAW APS Instructions, pre-oil engine. (serviced w/ Exxon Elite oil) prop, instal spinner, inst cowling, BA3505 Air filter
	2 hr AP 3118643 IA



N: 713EC

Tach: \_\_\_\_\_

(HM/TT) 1277.0

4/20/17

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 77/80 (2) 79/80 (3) 79/80 (4) 79/80 (5) 76/80 (6) 77/80
- 3) See FAA Airworthiness Directive Compliance Record dated 4/20/17 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition."

Keith J. Mace

4/20/17

Lynn R Mace AP 3118643 IA

CUBCRAFTERS  
Service Center



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<b>1. Approving Civil Aviation Authority/Country:</b> FAA/United States		<b>2.</b> <h1 style="text-align: center;">AUTHORIZED RELEASE CERTIFICATE</h1> <p style="text-align: center;">FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</p>		<b>3. Form Tracking Number:</b> QAA# 035720	
<b>4. Organization Name and Address:</b> Quality Aircraft Accessories Inc. (QYIR334Y) Phone: 1-877-833-6948 5746 East Apache 918-835-6948 Tulsa, OK 74115 Fax: 918-835-2804		<b>5. Work Order/Contract/Invoice Number:</b> 035720			
<b>6. Item:</b> 1	<b>7. Description:</b> FUEL PUMP	<b>8. Part Number:</b> RG17980J	<b>9. Quantity:</b> 1	<b>10. Serial Number:</b> B-7662-340	<b>11. Status/Work:</b> OVERHAULED
<b>12. Remarks:</b> The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.  RECORDS OF WORK PERFORMED ARE MAINTAINED ON FILE AND WILL BE FURNISHED ON REQUEST.  LEAR ROMEC MANUAL # RG17980 SERIES, REV 5 DATED 01/12/2012  Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the article is considered ready for release to service under EASA Part 145 approval no EASA 145.5982					
<b>13a. Certifies the items identified above were manufactured in conformity to:</b> <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		<b>14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service</b> <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
<b>13b. Authorized Signature:</b>		<b>13c. Approval/Authorization No.:</b>		<b>14c. Approval/Certificate No.:</b> QYIR334Y	
<b>13d. Name (Typed or Printed):</b>		<b>13e. Date (dd/mm/yyyy):</b>		<b>14d. Name (Typed or Printed):</b> JOHN HUGGINS <b>14e. Date (dd/mm/yyyy):</b> 22/FEB/2018	
<b>User/Installer Responsibilities</b>					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					



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
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N: 713EC

Tach: \_\_\_\_\_

HM/TT: 1293.7

11/27/17

1-Removed 1/2 cowl and installed engine pre-heater to replace the one previously installed but removed by Trad for engine work.  
2- Serviced turbo's w/ mouse milk, re-rig Risho eng 1/2 cowl flap. re-install cowling.

2 h m

11/27/17

Lynn R Mace AP 3118643 IA

CUBCRAFTERS  
Service Center



N: 713EC

Tach: 1300.8

HM/TT: \_\_\_\_\_

3/11/18

Left

1- Drain oil, collect sample, Remove filter and suction screen for inspection, Install new 4810-2 filter, re-install screen and safety both. Remove engine driven fuel pump to O/H. Pump overhauled under QAA WO #03572 2/22/18  
Reinstall pump w/ new gasket, ran up ops/Leak check  
\* Engine serviced w/ 11 qts Acrosnell 15150 w  
2 h m 3/11/18

Lynn R Mace AP 3118643 IA

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Service Center



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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
				TOTALS brought forward from previous page
5/1/18	1055.2		1321.2	1- Drain oil, remove filter and screen for contaminant inspection, found satisfactory. Install new 48110-2 oil filter, re-install screen & safety, Service w/ 10 qts Aeroshell 15w/50. 2- Repaired rattling A/R @ airbox intake. Reattached loose seal. Tighten and check intake hoses, oil lines, Turbo v-bands. Replace section of Stratoflex 193-3 hose from MP to Turbo controller. Clean, gap & test all spark plugs. re-torque valve cover gaskets. Z h Mc AP 3118643



N: 713EC Tach: 13262 HM(TT): 1055.2 L

5/1/18

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) ~~78~~80 (2) ~~75~~80 (3) ~~74~~80 (4) ~~74~~80 (5) ~~79~~80 (6) ~~78~~80
- 3) See FAA Airworthiness Directive Compliance Record dated 5/1/18 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual 100hr inspection and was determined to be in airworthy condition."

Z h Mc

5/1/18

Lynn R Mace AP 3118643 IA



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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
				TOTALS brought forward from previous page
10-12-18			1350.4	Drain oil, remove filter, cover open and inspect. Install new 4B110-2 filter & service w/ 10 qts Aerashell 15W/50. swap # 5 fuel injectors from Right engine Z h m AP 3118643
12-22-18			1379.7	Adjust mp per 242 67-1107J(p 5) Z h m AP 3118643
6-18-19	1120.7	1387.6		Drain oil, Remove filter & suction screen for inspection, found satisfactory. Install new 4B110-2 oil filter, re-inst screen and service w/ 10 qts Aerashell 15W/50. Clean, gap & test all spark plugs. Remove all valve covers for Exhaust valve spring inspection. Re-inst w/ new 75906 gaskets. adjust mp per SI 487J Z h m AP 3118643 IA
2/20/20			1389.9	Removed engine driven fuel pump and sent to CFS for O/H FAA CFS # 9KPR369B w/ O # 10CURB dated 2/19/2020. Re-installed & tested Z h m AP 3118643
				SUB-TOTALS this page
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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				



N: 713EC Tach: 1387.6 HM/TT: 1120.7  
6/18/19 TSMOH

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 72/80 (2) 76/80 (3) 76/80 (4) 72/80 (5) 73/80 (6) 76/80
- 3) See FAA Airworthiness Directive Compliance Record dated 6/18/19 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition."

Z h m 6/18/19

Lynn R Mace AP 3118643 IA



2/20/20

Note \* See previous page For Entry

6-24-20

Drain oil, remove filter and suction screen. Change filter & inspect. (New metal) install screen w/ new AN 900 gasket. Install new AA 48110 filter and service w/ 10 qts Aeroshell 15/50W, clean spark plugs

Z h m AP 3118643

6-24-20



CW AD 2015-19-07 by inspection due @ -

Z h m AP 3118643

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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
				TOTALS brought forward from previous page
 N: <u>715EC</u> Tach: _____ <u>HM/T: 1389.9</u> <u>7/1/2020</u> <u>1123.9 TSMolt</u>				
1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D) 2) Compression test: (1) <u>75</u> /80 (2) <u>77</u> /80 (3) <u>76</u> /80 (4) <u>76</u> /80 (5) <u>74</u> /80 (6) <u>76</u> /80 3) See FAA Airworthiness Directive Compliance Record dated <u>7/1/20</u> or later for current status, next due date and time.				
"I certify that this aircraft engine and propeller has been inspected in accordance with an <u>Annual/100hr</u> inspection and was determined to be in airworthy condition."				
<u>Lynn R Mace</u> <u>7/1/2020</u>				
Lynn R Mace AP 3118643 IA 				
<u>4-15-21</u>		<u>1394.1</u>		<u>Install New Tempest AA441CC-7</u> <u>Drq Air pump S/N OF5T03</u> <u>Z h/m AP 3118643</u>
<u>9/1/21</u>	<u>11532</u>	<u>1419.2</u>		<u>Changed oil and filter. Install</u> <u>new AA48110-2 filter, service with</u> <u>Amsoil 15/50W, remove waste gates</u> <u>for O/H at ATC w/O #40889 and</u> <u>40890 8/16/2021 CRS #Q5AR184P,</u> <u>clean, gap &amp; test spark plugs. Re-</u> <u>install waste gates.</u> <u>Z h/m AP 3118643</u>

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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
TOTALS brought forward from previous page				



N: 713EC Hobbs Tach: 1411.2 HM(TT): 1153.2  
9/1/21 TSM014

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 74/80 (2) 70/80 (3) 72/80 (4) 70/80 (5) 7780 (6) 7780
- 3) See FAA Airworthiness Directive Compliance Record dated 8/25/21 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual 100hr inspection and was determined to be in airworthy condition."

Lynn R Mace 9/1/2021

Lynn R Mace AP 3118643 IA



AGL Aviation Services, LLP  
 3550 Foothills Airport Rd  
 Morganton NC 28655-7717  
 828-391-8645

Make: Piper  
 Model: PA-23-250 (Navy UO-1)  
 Tail: N713EC  
 S/N: 27-7554151

Hobbs  
 Hours: 1454.9

LH ENGINE ANNUAL - AD 2015-19-07 Fuel Injector lines DUE 1519.2

Performed Annual Inspection as follows per FAR Appx D. Compression #1 80/80 #2 78/80 #3 80/80 #4 78/80 #5 80/80 #6 78/80 . Changed Oil & Filter , Serviced with 11 qts Aeroshell 15W-50. Cut filter and found no metal. Cleaned , Gap , Rotated, replaced crush gaskets on the sparkplugs . C/W AD 03-14-03 Rotary Fuel Pump , C/W Para (B)(4) Visual inspection , next due 50 hour TIS. Performed engine run up , leak check, systems check and taxi check of all systems on the ground. No leaks or other defects noted at this time . The below statement in no way, implies or guarantees that this aircraft, or engine, or accessories will continue to function for any period of time after this inspection, and only states that this aircraft was inspected and certified to comply with all applicable Federal Aviation Administration Standards, Airworthy Directives and FAR 43 Appendix D. I certify that this has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. --- END ---

Signed: [Signature]  
 Name: Wesley Zimmer

Cert: AP3814494IA  
 Date: 11/09/2022  
12/22 UC

SUB-TOTALS this page

TOTALS—Carry forward to next page





