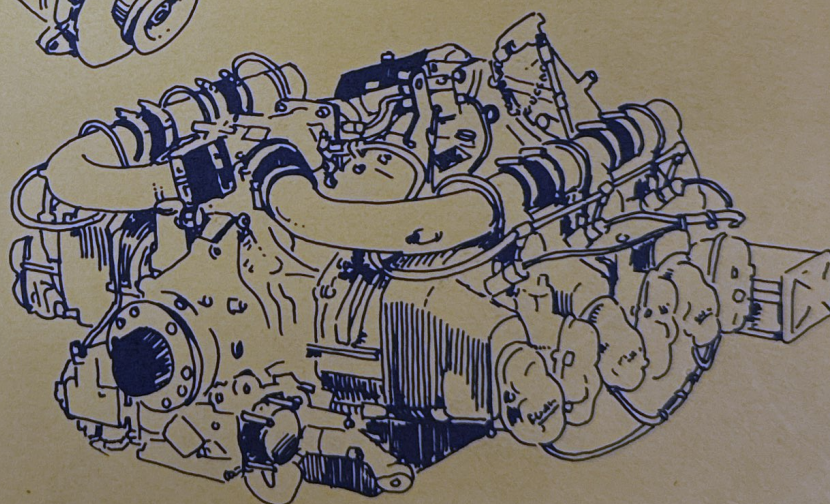
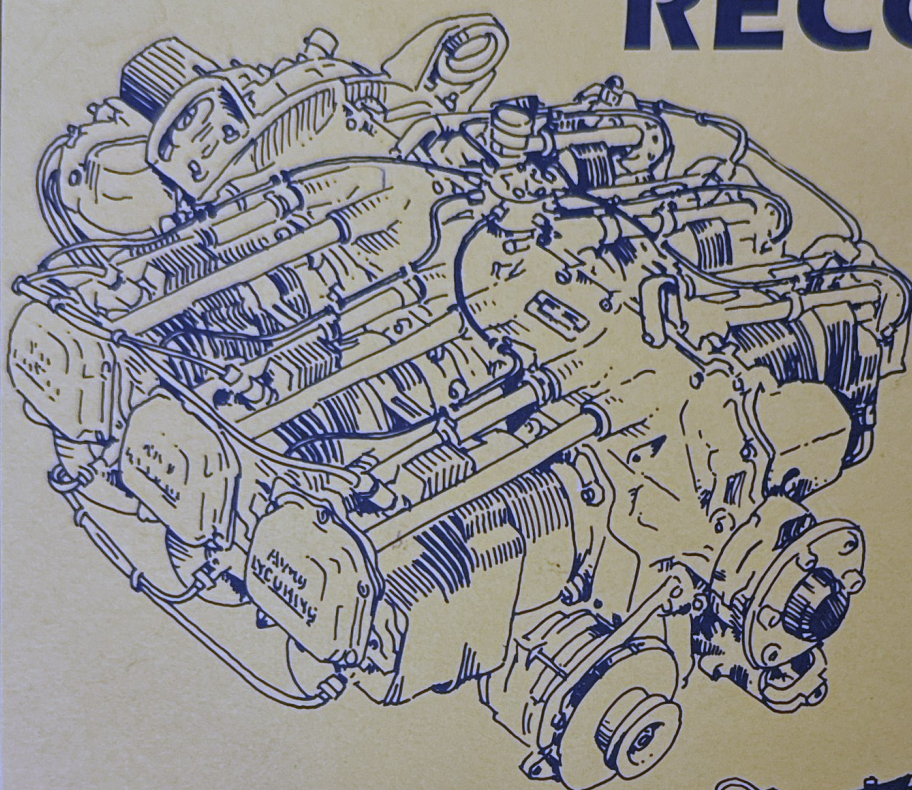


RH

ENGINE MAINTENANCE RECORDS



1-800-624-6680

(IN NY 631-298-8330)

TELEDYNE MATTITUCK SERVICES, INC.

410 AIRWAY DRIVE, MATTITUCK, NY 11952

TELEDYNE MATTITUCK SERVICES, INC. / Limited Piston Engine Warranty

Effective 2/5/88, Teledyne Mattituck Services, Inc., (hereinafter called "TMSI"), 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, TMSI shall repair or replace, at its option, any aircraft engine accessory, or part which is found to be defective, to TMSI satisfaction, within said warranty period.

For engine warranty after six (6) months from the 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 TMSI'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 TMSI.

After the initial six (6) months from date of delivery or 240 hours of operation, TMSI 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. TMSI 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. TMSI 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 TMSI's facility at customer's expense, together with particulars in writing of the nature of the defect. The customer or his representative should contact TMSI for verification and authorization of warranty prior to return and/or repair. Written authorization must be obtained from TMSI before repairs covered by warranty

can be performed other than by TMSI. 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 TMSI must be given prompt notice thereof in writing, within ten (10) days after discovery.

LIMITATION, EXCLUSIONS, AND DISCLAIMERS - TMSI shall not assume freight charges, transportation or delivery expenses, costs, or airframe repairs, all which are excluded under this warranty. TMSI 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 TMSI, 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 TMSI, or its representative.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESSED 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. TMSI 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 TMSI 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 TMSI. 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.

Engine Serial No.

30614

L-8972-61A



Airway Drive
Mattituck, N.Y.
Tel. (631)-296-8330

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N7069D (RH)

Engine Manufacturer Lycoming

Model TIO-540-A2C

Serial No. L-8972-61A

Date installed on aircraft N7069D

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☒ Right

☐ Left

☐ Front

☐ Rear

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Teledyne Mattituck Services, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All Applicable Airworthiness Directives are in compliance. The engine, with respect to the work performed is airworthy and approved for return to service. A description of these repairs is on file at this agency under:

JOB NO. 30614 DATED 11 AUG 03
 MFG. Lycoming MODEL T10-S70-A2C
 Serial No. L-8972-61A Time in svc. 2814.9 Hrs



TELEDYNE MATTITUCK SERVICES, INC.

FAA REPAIR STATION # T10R507Y
 AIRWAY DRIVE, MATTITUCK, NY 11952

Authorized Signature

New cyl. Ass'y. INSTALLED

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

Item	Part No.	Serial No.
STARTER	MHB-4018	80001088
SERVO	2524163-13	23710/38T
R. H. MAG	S6LN-1209	28154
L. H. MAG	S6LN-1208	A040006F
Turbo	406610-9020	1CR0332
WASTEGATE	470518.3	1E0128
Controller	4708B4-4R	Y2005000
Controller	470912-1R	VF-L0105



TELEDYNE MATTITUCK SERVICES, INC.

FAA REPAIR STATION T10R507Y

W.O. NO. 30614 DATE 11 AUG 03

The accessories listed below were New or Overhauled as indicated in the status column and installed on the engine. Overhaul records for these overhauled accessories are in an envelope in the back of this logbook.

Item	Part No.	Serial No.	Status
Fuel pump	RG908017A	E1733	0
-	PT# 500F-5002		
-	5/N1E1033EP/REVE		

Authorized Signature

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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
11/09/04	TACH 2678			c/w 100 HR Inspection IAW Piper
TSMOH	198.8			Thrust Manual check list
				Compression check done #1-78/80 #2-76/80 #3-78/80 #4-75/80 #5-76/80 #6-76/80
				Oil filter changed, 11qts 15W-50 Aeroshell
				Oil added. c/w AD 2003-24-07 Fuel pump Insp.
				c/w AD 2002-26-01, fuel injector lines Insp.
				Mag timing checked & was normal.
				Cleaned & tested & installed plugs.
				I certify this engine as being inspected
				in accordance with a 100 hr inspection
				& found to be airworthy @ this time and
				approved for return to service
				Ernest Landell AP57363632

Aircraft HOBBS Time: 2673.0

RH Engine Time SMOH: 243.3

Date 03/04/2005

The following work was completed on the RH Engine:

1. Serviced engine with 12 quarts of Aeroshell 15W50 aviation oil.
2. Complied with AD 2002-26-01 in accordance with the inspection instructions of the AD
3. Complies with AD 2003-14-03 by checking screw torque in accordance with the instructions of the AD.
4. Performed Compression Test: 1) 78/80, 2) 75/80, 3) 76/80, 4) 74/80, 5) 76/80, 6) 74/80.

Performed compression test, drained oil, cleaned screen and changed oil filter. Cleaned all fuel injection lines, changed induction air filter and completed all other 100 hour/annual service items in accordance with Lycoming and Piper service manuals. I certify that this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and is determined to be in airworthy condition at this time.

Michael J. Farrey / AP15513371A

Michael J. Farrey

9-2-05	2739.8			Removed fuel pump and installed
				on LEFT Engine. Installed new fuel
				pump PT# 200F-5002 SN# 1EN033FP/REVE
				AD 2003-14-03 fuel pump screw torque
				no longer applies to RT Engine
				Daryl Means A-P2792182IA
				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

**INFINITY AVIATION**

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 9/01/2012; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: ~~2777.70~~ ^{0.0}; Tach:: Total Time: 8582.70

* Performed a 100 Hour/Annual Inspection of the Right Engine in accordance with the inspection checklist contained in the PA31-310 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 76/80, Cylinder #2 78/80, Cylinder #3 78/80, Cylinder #4 78/80, Cylinder #5 78/80, Cylinder #6 72/80.

* Cleaned, gapped, and tested the spark plugs.

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Added 11 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Removed the fuel nozzles and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted. Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued. Complied with AD 2011-26-04 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next Inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Joseph Gardner

Date: 9/1/2012, W/O: 114287

Infinity Aviation Services LLC

FAA Certified Repair Station

#I6FR992Y

**INFINITY AVIATION**

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 8/05/2013; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2819.00; Tach:: Total Time:

* Inspected the V-band and clamps at the turbocharger per SB644E. Reinstalled, torqued to manufacturer's specifications and safetied.

* Swapped the turbos from the left and right engines. Performed a test flight.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Removed the suction screen and inspected, cleaned, and reinstalled with a new gasket. Installed a new oil filter CH48110-1, torqued and safetied both. Added 11 quarts of Aeroshell 15W50 oil. Washed the right engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Adjusted the right engine oil pressure as required.

* Removed the outlet lines from the fuel servo and leak checked with the throttle and mixture off with no leaks noted. Capped the fuel outlet and leak checked the impact tubes with the throttle and mixture full open with no leaks noted. Performed four engine ground runs and ops checked with satisfactory results.

* Removed, cleaned, and installed all fuel nozzles on the right engine in reference to Lycoming SI 1414B. Performed a leak check with no leaks noted.

* Removed the top and bottom spark plugs. Cleaned and reinstalled the spark plugs & ignition leads torqued to proper specification.

* Removed the right engine vernatherm p/n AEL19600 s/n 23586. Installed a new vernatherm p/n AEL19600 s/n 8374 Rev D.

Performed an operational ground check with satisfactory results and no leaks noted.

* Installed a new oil cooler p/n 20010A s/n F13-11355-3 on the right engine in reference to the Piper PA31-310 Maintenance Manual. Performed an engine ground run and checked for leaks with no leaks noted.

Signature: Alan Desrosiers

Date: 8/5/2013, W/O: 14963

Infinity Aviation Services LLC

FAA Certified Repair Station

#I6FR992Y

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INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

AIRCRAFT

Date: 12/02/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 113.30; Total Time: ~~8598.00~~ 8644.8

- * Engine SN: L-8972-61A TSMOH: ~~363.9~~ 410.1
- * Performed a 100 Hour/Annual Inspection of the Right Engine in accordance with the inspection checklist contained in the PA31-310 Maintenance Manual.
- * Performed a Differential Compression Check with the following results: Cylinder #1 78/80, Cylinder #2 77/80, Cylinder #3 79/80, Cylinder #4 77/80, Cylinder #5 79/80, Cylinder #6 77/80.
- * Cleaned, gapped, and tested the spark plugs.
- * Lubricated the engine controls and slip joints after cleaning.
- * Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Added 11 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
- * Adjusted the right engine idle to 650rpm.
- * Re-torqued all rocker box cover screws.
- * Removed and replaced the #3 intake gasket p/n 71973.
- * Cleaned and re-torqued all oil return line clamps in accordance with the Piper PA31-310 Maintenance Manual.
- * Re-torqued and cotter-pinned the rear alternator bolt to manufacturer's specifications.
- * Removed and replaced several baffle seals.
- * Complied with AD 2011-26-04 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.
- * AD 2012-03-06, AFS Fuel Servo Diaphragm is N/A per paragraph (1) by effective date.
- * AD 2012-19-01, Crankshaft Retirement is N/A by engine m/n and s/n in accordance with MSB 569A.
- * AD 2013-21-02, Turbine Wheel Head and Shaft Welded Joint is N/A by engine m/n.
- * Complied with AD 2003-14-03, Rotary Fuel Pump Relief Valve Screws, inspected per paragraph (b) and SB529B, instructions (2)(A) torque check. Pressurized the fuel system and inspected for leaks with none noted.
- * Removed the left magneto p/n 10-349290-1 s/n A040006F and right magneto p/n 10-349310-1 s/n 28154; sent out for 500 hour inspection. Received the inspected magnetos (see 8130) and reinstalled. Set magneto timing to the engine to within manufacturer's specifications. Reinstalled the magneto wire harness.
- * Removed, cleaned and inspected the fuel servo inlet filter. Reinstalled with new o-rings. Pressurized the system and performed a leak check with no leaks noted.
- * Cleaned and re-secured the lower cowling anti-chafe tape with epoxy.
- * Removed and replaced several baffle seals with silicone baffle seals.
- * Removed and replaced the #3 intake pipe sump seal p/n 72711.
- * Installed a new magnetic catch p/n 78164 for the compressor bypass door.
- * Removed and replaced the crankcase breather line silicone elbow fittings p/n 558-963.
- * Cleaned and re-secured the silicone securing the lower right spark plug wires with high temperature RTV.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 12/2/2014, W/O: I15483
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

Aircraft HOBBS Time: 194.7

RH Engine Time SMOH: 491.5

Date 12/17/2015

The following work was completed on the RH Engine:

1. Serviced engine with Aeroshell 15W50 aviation oil.
2. Complied with **AD 2002-26-01** in accordance with the inspection instructions of the AD
3. Complies with **AD 2003-14-03** by checking screw torque in accordance with the instructions of the AD.
4. Performed Compression Test: 1) 70/80, 2) 70/80, 3) 72/80, 4) 76/80, 5) 74/80, 6) 74/80.

Performed compression test, drained oil, cleaned screen and changed oil filter. Cleaned all fuel injection lines, changed induction air filter and completed all other 100 hour/annual service items in accordance with Lycoming and Piper service manuals. I certify that this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and is determined to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA



Aircraft HOBBS Time: 290.8

RH Engine Time SMOH: 587.6

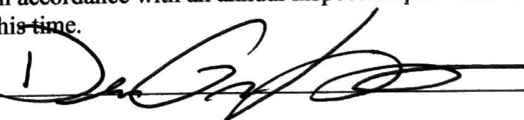
Date 03/10/2017

The following work was completed on the RH Engine:

1. Serviced engine with Aeroshell 15W50 aviation oil.
2. Complied with **AD 2002-26-01** in accordance with the inspection instructions of the AD
3. Complies with **AD 2003-14-03** by checking screw torque in accordance with the instructions of the AD.
4. Performed Compression Test: 1) 72/80, 2) 70/80, 3) 74/80, 4) 74/80, 5) 72/80, 6) 72/80.

Performed compression test, drained oil, cleaned screen and changed oil filter. Cleaned all fuel injection lines, changed induction air filter and completed all other 100 hour/annual service items in accordance with Lycoming and Piper service manuals. I certify that this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and is determined to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA



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Date: 06/19/2018	Acft Reg#: N7069D	Position: Right	
HOBBS: 328.1	TSMOH: 624.9	Model: TIO-540-A2C	Engine SN: L-8972-61A

The following work was completed on this Engine:

1. Serviced engine with Aeroshell 15W50 aviation oil.
2. Complied with **AD 2002-26-01** in accordance with the inspection instructions of the AD
3. Complies with **AD 2003-14-03** by checking screw torque in accordance with the instructions of the AD.
4. Performed Compression Test: 1) 70/80, 2) 72/80, 3) 78/80, 4) 78/80, 5) 78/80, 6) 76/80.
5. Replaced valve cover gaskets, PN 71450 on cylinder 3,4,5 and 6.
6. Replaced forward crankshaft seal with new.

Performed compression test, drained oil, cleaned screen and changed oil filter. Cleaned all fuel injection lines, changed induction air filter and completed all other 100 hour/annual service items in accordance with Lycoming and Piper service manuals. I certify that this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and is determined to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA

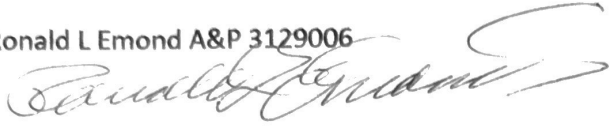


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10/23/2018 Right Engine Hobbs 380.4 TSMOH 677.2
TTIS 3492.1 Drain oil remove filter cut open and
Inspect for debris (none found) install new Champion
Filter CH48110-1 service engine with Aero Shell 15/50
Aircraft oil run up engine OPS satisfactory.

Ronald L Emond A&P 3129006

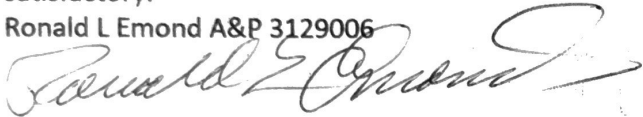


DESCRIPTION OF WORK PERFORMED—
& CERTIFICATE NO. OF PERSON PERFORMING WORK

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02/23/2019 Hobbs 441.6 TSMOH 738.4 TTIS 3553.3 Drain oil
remove filter cut open and Inspect for debris (none found)
install new Champion Filter CH48110-1 service engine with
Aero Shell 15/5012 Quarts Aircraft oil run up engine OPS
satisfactory.

Ronald L Emond A&P 3129006



N7069D Right Engine -7/20/2019 Maint. Hobbs: 488.1 TSMO: 784.9 TTIS:
3599.8

Engine washed all controls cleaned and lubed. Drained oil and replace
filter with Champion CH-48110-1 Check filter, OK. Service engine with 12
qts of Aeroshell 15W50 oil. Compression check #1: 70/80 #2: 70/80 #3:
71/80 #4: 78/80 #5: 74/80 #6: 70/80. Check ignition leads, inspect exhaust
and injection fuel lines and clamps. Complied with Ads 2015-19-07, 2003-
14-03. See aircraft permanent records for full AD list. I certify this engine
has been inspected in accordance with a 100 hour inspection and was
determined to be in airworthy condition.

Ronald L. Emond A&P 3129006



N7069D Right Engine -7/20/2019 Maint. Hobbs: 488.1 TSMO: 784.9 TTIS:
3599.8

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

Michael J. Ricard A&P 2042419IA

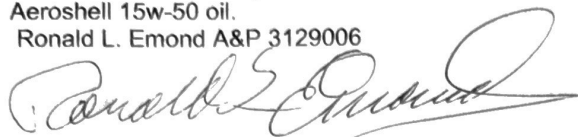


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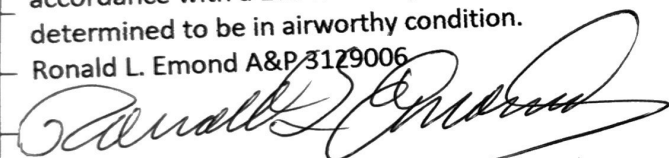
N7069D 03/11/2021 Maint. Hobbs: 650.1 TSMO:946.9 TTIS:
3761.8 Right Engine
Drained oil, replaced oil filter with Champion CH48110-1. Torqued
filter to manufacturer specifications. Serviced engine with 12qts of
Aeroshell 15w-50 oil.
Ronald L. Emond A&P 3129006



DESCRIPTION OF WORK PERFORMED—
RE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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N7069D Right Engine -8/17/2021 Maint. Hobbs:
700.3 TSMO: 997.1 TTIS: 3812
Engine washed all controls cleaned and lubed.
Drained oil and replace filter with Champion CH-
48110-1 Check filter, OK. Service engine with 12 qts
of Aeroshell 15W50 oil. Compression check #1:
74/80 #2: 76/80 #3: 75/80 #4: 77/80 #5: 76/80 #6:
74/80. Check ignition leads, install six new silicon
valve cover gaskets. Inspect exhaust and injection
fuel lines and clamps. Complied with Ads 2015-19-
07, 2003-14-03. See aircraft permanent records for
full AD list. I certify this engine has been inspected in
accordance with a 100 hour inspection and was
determined to be in airworthy condition.
Ronald L. Emond A&P 3129006



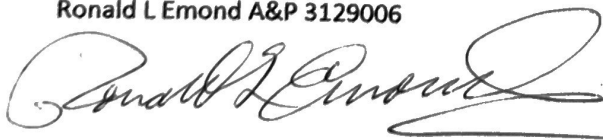
N7069D 08/17/2021 Maint. Hobbs: Right engine 700.3
TSMOH 997.1 TTIS 3812

I certify this Engine has been inspected in accordance with
an annual inspection and was determined to be in airworthy
condition.



Philip Swin A&P 3973114 IA

N7069D 6/11/2022 Hobbs 757.5 Right engine drain oil
replace oil filter (cut open old filt ck for debris) non found
install new filter CH48110-1 service engine with twelve
quarts of Aero-Shell 15/50 Aircraft engine oil.
Ronald L Emond A&P 3129006



page

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TOTALS—Carry forward to next page

D/

G WORK

N7069D Right Engine -9/05/2022 Maint. Hobbs: 778.3

TSMO: 1075.1 TTIS: 3890

Engine washed all controls cleaned and lubed. Drained oil
 and replace filter with Champion CH-48110-1 Check filter,
 OK. Service engine with 12 qts of Aeroshell 15W50 oil.

Compression check #1: 76/80 #2: 76/80 #3: 77/80 #4:

76/80 #5: 78/80 #6: 74/80. Repair oil leak left mag base

lower nut lose Check ignition leads, Inspect exhaust and

injection fuel lines and clamps. Complied with Ads 2015-19-

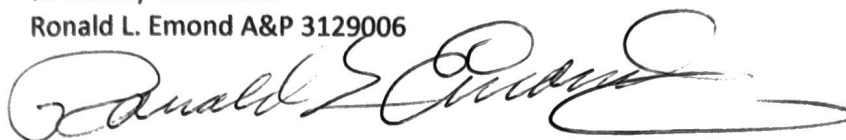
07, 2003-14-03. See aircraft permanent records for full AD

list. I certify this engine has been inspected in accordance

with a 100 hour inspection and was determined to be in

airworthy condition.

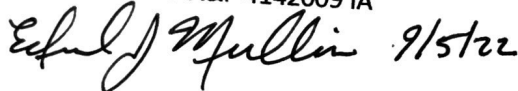
Ronald L. Emond A&P 3129006



N7069D Right Engine 9/05/2022 Maint. Hobbs: 778.3 TSMO:

1075.1 TTIS: 3890 I certify this engine has been inspected in
 accordance with an annual inspection and was determined to
 be in airworthy condition.

Edward J. Mullin A&P 4142009 IA



N7069D R/E 12/20/2022 Hobbs 810.0 TSMOH 1106.8 TTIS

3921.7 Drain oil replace oil filter (cut open filter No Debris
 found) service engine with 12 quarts of Aero Shell 15/50 oil
 run up ck good no leaks.

Ronald L Emond A&P 3129006



SUB-TOTALS this page

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Inspection and was determined to be in airworthy condition. N7069D Right engine Maint Hobbs 10/4/2023 Engine washed and lubricated, drained oil replaced oil filter #48110-1 filter (cut open old filter no debris found) service engine with 12 quarts Aero Shell 15W/40 oil. Replaced crush gasket for oil tank. Replaced I/A/W Piper PA-31 inspection report and Lycoming. I certify this engine has been inspected I/A/W an Annual Inspection and was determined to be in airworthy condition. Ronald L Emond A&P 312900

Ronald L Emond

10/4/2023 N7069D I certify this Engine I/A/W an Annual Inspection and was determined to be in airworthy condition

[Signature]

1. Approving Civil Aviation Authority/Country: FAA/United States				2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: UAB3150	
4. Organization Name and Address: Unlimited Aero Engines, 537 Crawford St. Fitchburg, MA. 01420				5. Work Order/Contract/Invoice Number: 3150		6. Status/Work: Repaired			
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:					
1	Cylinder Assy	LW12966	2	020672.075966					
12. Remarks: 1.) Repaired above listed component described in blocks 7,8,10 I.A.W. Lycoming overhaul manual 60294-7, current Rev. All applicable Airworthiness Directives are in compliance as of date in block 14c. Details of work performed are on file at this agency under WO3150 =====END=====									
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.				14a. ☒ 14 CFR 43.9 Return to Service ☐ 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.					
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: <i>[Signature]</i>		14c. Approval/Certificate No.: US3R556B			
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): Timothy W. Hess		14e. Date (dd/mm/yyyy): 31/Oct/2024			
User/Installer Responsibilities 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.									
FAA Form 8130-3 (02-14)									

12/14/2024 N7069D Right engine Maint Hobbs 920.7 TSMOH 1217 TTIS 4032.4 Engine washed all controls cleaned and lubricated, drained oil replaced oil filter with Champion #48110-1 filter (cut open old filter no debris found) service engine with 12 quarts Phillips 20/50. Mineral oil Compression test #1 43/80 #2 78/80 #3 75/80 #4 73/80 #5 45/80 #6 73/80 (done cold). Remove cyl 1 and 5 send out for overhaul. Inspected I/A/W Piper PA-31 inspection report and Lycoming. I certify this engine has been inspected I/A/W a 100 hr inspection and was determined to be in airworthy condition.

Ronald L Emond

12/14/2024 N7069D I certify this Engine has been inspected I/A/W an Annual Inspection and was determined to be in airworthy condition

Ed Mullin A&P 4142009 IA

Edward J Mullin

TOTAL

TOTAL

TACH OR
RECORDINGDESCRIPTION OF WORK PERFORMED—
& CERTIFICATE NO. OF PERSON PERFORMING WORK

1157
 N7069D Right engine Maint Hobbs 859.2 TSMOH 2692 TTIS
 10/4/2023 Engine washed all controls cleaned and
 lubricated, drained oil replaced oil filter with Champion
 #48110-1 filter (cut open old filter no debris found) service
 engine with 12 quarts Aero Shell 15/50. Compression test #1
 78/80 #2 77/80 #3 78/80 #4 75/80 #5 72/80 #6 70/80 (done
 cold). Replaced crush gasket for oil temp unit (leaking oil) I
 certify this engine has been inspected I/A/W a 100 hr
 inspection and was determined to be in airworthy
 condition. Ronald L Emond A&P 3129006

ird from previous page

10/4/2023 N7069D I certify this Engine has been inspected
 I/A/W an Annual Inspection and was determined to be in
 airworthy condition

12/14/2024 N7069D Right engine Maint Hobbs 920.7
 TSMOH 1217 TTIS 4032.4 Engine washed all controls
 cleaned and lubricated, drained oil replaced oil filter with
 Champion #48110-1 filter (cut open old filter no debris
 found) service engine with 12 quarts Phillips 20/50. Mineral
 oil Compression test #1 43/80 #2 78/80 #3 75/80 #4 73/80
 #5 45/80 #6 73/80 (done cold). Remove cyl 1 and 5 send out
 for overhaul. Inspected I/A/W Piper PA-31 inspection report
 and Lycoming. I certify this engine has been inspected I/A/W
 a 100 hr inspection and was determined to be in airworthy

2/14/2024 N7069D I certify this Engine has been inspected
 I/A/W an Annual Inspection and was determined to be in
 airworthy condition

Ed Mullin A&P 4142009 IA

ENGINE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

Make Textron Lycoming

Model TIO-540-A2C

Serial No. L-8972-61A

AD Number	Subject	Method of Compliance	Status	Recurring Y/N	Next Compliance Due at	Inspector
73-23-01	Piston Pins		N/A			J3
80-17-10	Transition, Wastegate	Repl. Transition Wastegate Assy S1AD	N/A	N		J3
84-19-03 R1	Cylinders	Repl. Cylinders V2AD See AD	N/A	N		J3
87-10-06 R1	Rocker Arms	Installed Parts per Lycoming S.B. 477A	N/A	N		J3
89-15-10	Fuel Pump Tee Fitting	Repl. F.P. vent fitting w/new "R" style AE2A	N/A	N		J3
91-08-07	Fuel Pump Vent Fitting	Repl. F.P. vent fitting w/new "R" style	N/A	N		J3
91-10-04	TIO-540-AE2A	Transition bolts see S.B. 491A	N/A	N		J3
91-14-22	Crankshaft Gears	Insp. & Rework per SB475C, Bolt torque <u>204" LBS</u> , Lockplate bent	C/W	Y	See AD Note	J3
91-21-01 R1	Modified Exhaust	Install modified exhaust system per S.B. 499C	N/A	N		J3
92-12-05	Thick Wall Piston Pins	Install Parts per Lycoming S.B. 501B	N/A	N		J3
93-11-11	Fuel Pump	Installed new fuel pump	N/A	N		J3
94-01-03 R2	TCM Mag. Coils & Magnets	Installed Parts in ac w/TCM S.B. 637 & MSB644	P/C/W	N		J3
94-06-09	TCM Mag. Capacitors	Installed Parts in ac w/TCM CSB 641	C/W	N		J3
95-07-01	Uncertified Rod Bolts	Install new Rod Bolts	N/A	N		J3
95-26-02	Detonation	See AD	N/A			J3
96-12-07	Bendix Impulse Magnetos	Inspected coupling per TCM SBM645 & SB639	N/A	Y	500 hrs	J3
97-01-04	Superior Air Parts Cylinders	Non-affected cylinders installed	N/A			J3
97-15-11	Lycoming Piston Pins	Non affected Piston Pins installed s/s AD 97-01-03	C/W	N		J3
98-17-11	Nelson Bal. Svc Crankshaft	Installed non-affected crankshaft	C/W	N		J3
98-18-12	Crane Fuel Pump	Performed initial torque ck. inspection per ¶ (a)	C/W	Y	50 hrs TIS or 6 mos.	J3
2002-12-07	Oil Filter Convert Plate Gasket	Installed new gasket per SB543A Sup 1	N/A	N		J3
2002-19-03	Crankshaft (Turbo)	Non-affected crankshaft installed	C/W	N		J3
2002-23-06	Crankshaft Gear Bolt	Non-affected bolt installed	C/W	N		J3
2002-26-01	Fuel injection lines	Secured fuel injection lines per Lycoming SB 342D	C/W	Y	See AD notes.	J3

The AD Notes listed above have been checked and complied with where necessary on

Teledyne Mattituck Services, Inc. CRS T10R507Y

5-8-03

[Signature]

by

AIRWORTHINESS DIRECTIVES

A D NUMBER	ITEM AFFECTED	DATE & HRS AT COMP	METHOD OF COMPLIANCE	TYPE OF A D 1 TIME/RECUR	NEXT COMP DATE/HRS CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
02-26-01	F.I. lines	11 AUG 03 0500H	Sealite Fuel inj. lines	Recur	As Per hyc. S.B. 342D	CRSTIORSC074
02-23-06	CRANK GEAR BOLT	11 AUG 03 0500H	WAS AFFECTED BOLT INSTALLED	1 time	N/A	CRSTIORSC074
02-19-03	Crackshaft	11 AUG 03 0500H	INSP	1 time	N/A	CRSTIORSC074
98-18-12	Fuel Pump	11 AUG 03 0500H	INITIAL TQQUE INSP.	Recur	SD HST 11.5. OR 6 MOS.	CRSTIORSC074
8-17-11	Crackshaft	11 AUG 03 0500H	INSP	1 time	N/A	CRSTIORSC074
1-15-11	Piston Pins	11 AUG 03 0500H	WAS AFFECTED Pins installed	1 time	N/A	CRSTIORSC074
1-06-09	MAG. CAPS.	11 AUG 03 0500H	REPLACED CAPACITORS	1 time	N/A	CRSTIORSC074
14-22	CRANK GEAR	11 AUG 03 0500H	Repl. gear INSP	Recur	As Per A.D	CRSTIORSC074

