



AIRMARK OVERHAUL, INC.
FAA APPROVED REPAIR STATION #JL4R288M

6001 Northwest 29th Avenue • Fort Lauderdale, Florida 33309
(954) 970-3200 • 800-282-3202 • FAX: (954) 970-3400

CUSTOMER LUIS ROJAS / N492BC INVESTMENT, LLC WORK ORDER NO. 46824

ENGINE MODEL TIO-540-AH1A SERIAL NO. L-12111-61A DATE SEPTEMBER 5, 2018

WARRANTY (LIMITED)

Airmark Overhaul, Inc. warrants this Engine to be free from defects in material and workmanship under normal use and service for a period of 1 year from the above date of overhaul or 480 hours, whichever occurs first, and accessories are warranted to be free from defects in material and workmanship for 180 days or 240 hours from the date of overhaul, whichever occurs first, and shall extend only to the purchaser named hereinabove.

This Engine, excluding accessories, is further warranted to be free from defects in materials and workmanship by Airmark Overhaul, Inc. until Manufacturers Recommended Overhaul Period or two years from the above date, whichever occurs first, under a pro-rated basis on parts. Labor portion is pro-rated if work is performed by Airmark Overhaul, Inc. For the purpose of calculating pro-ration, a minimum of 40 hours per month from the date of overhaul will apply. Notwithstanding anything herein to the contrary, cracked cylinders and crankcases are excluded from all warranties unless it can be determined that the damage is a direct and proximate result of improper assembly by Airmark Overhaul, Inc.

Replacement or repair of Engine, Component, or Parts under this Limited Warranty will not extend the warranty period. Any repairs made by person(s) other than Airmark Overhaul, Inc. without the prior written consent of Airmark Overhaul, Inc., at the option of Airmark Overhaul, Inc., voids any remaining part of this Limited Warranty, where, in the judgement of Airmark Overhaul, Inc. such repairs adversely affected the Engine. In no event, whether as a result of a breach of contract, warranty, tort (including negligence) or otherwise, shall Airmark Overhaul, Inc. be liable for any special, consequential, incidental or penal damages or expenses, including but not limited to loss of profit, goodwill, or revenues, loss of use of the product or any associated equipment, damage to associated equipment, cost of capital, cost of third parties for such damages or expenses.

The foregoing Limited Warranty is exclusive and in lieu of all other warranties or remedies whether written, oral, implied, or statutory. Any and all implied warranties of merchantability, fitness for a particular purpose, course of dealing or usage of trade are hereby expressly disclaimed and excluded.

AIRMARK OVERHAUL, INC. a Florida corporation

BY: 

ENGINE RECORD - GENERAL INFORMATION

MANUFACTURER TEXTRON LYCOMING MODEL T10-540-AH1A

SERIAL L-12111-61A TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT _____

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

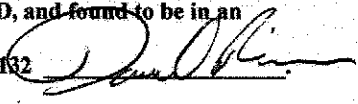
MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

ENGINE LOG

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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1. Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 46824
4. Organization Name and Address: ATKINS OVERHAUL, INC. * 601 N.W. 20 TH AVENUE * FT. LAUDERDALE, FL 33309 (JLARD88M)				5. Work Order/Contract/Invoice Number: W/O: 46824	
6. Row:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
001	ENGINE	TIO-540-AH1A	1/EA	L-12111-61A	OVERHAUL
12. Remarks: THIS TEXTRON LYCOMING ENGINE WAS OVERHAULED, TESTED AND CERTIFIED ONLY IN ACCORDANCE WITH TEXTRON LYCOMING OVERHAUL MANUAL 60294-7, REV. #14. SEE FULL DETAILS OF WORK AND A.D.'s CARRIED OUT PER WORK ORDER NUMBER 46824.					
*Atkins Overhaul, Inc. certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 and with respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number: EASA 145.0115 and FAA Air Agency Certificate Number JLARD88M					
13. Certifies the items identified above were manufactured in conformity in: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data is specified in Block 12.			14. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" 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.		
17a. Authorized Signature:		13e. Approval/Authorization No.:		14a. Authorized Signature: 	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.: JLARD88M	
				14d. Name (Typed or Printed): WILLIAM POLLARD	
				14e. Date (dd/mm/yyyy): 05/SEP/2018	
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/artic.					
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)/articl(e) 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.					

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—	Engine Logbook Entry N492BC	RamAir Aircraft Maintenance Model: Lycoming TIO-540-AH1A	Work Order #514 Serial No.: L-12111-61A
—	Date: October 4, 2018	Hobbs: 1837.7	TSMO: 0.0 Total Time: 1837.7
—	1. Installed overhauled engine with all related Component from Airmark P/N TIO-540-AH1A, S/N L-12111-61A Under WO #46824. 6 Cylinder Kit 05K21262 new. Overhauled oil coolers by pacific oil cooler W/O 127866, New magnetos from champion W/O 523663-00-001, New starter S/N H-S030414, O/H alternator S/N F035503., O/H servo RSA-10ED1 S/N 72H79804, O/H flow divider S/N A0AA6832 O/H fuel pump S/N CF02YX04, New nozzle assy P/N 2524926-1, O/H turbocharger S/N GIL06401, O/H controller S/N IAN00282, OH relief valve S/N IDN00871.		
—	2. Installed complete overhauled exhaust system from Planexhaust corporation Stack P/N 40B22315, WO #33790, 40B22304 WO #33791, 40B22303 W/O 33790		
—	3. Removed and Replaced V Band Coupling with New P/N 78084		
—	4. Installed Repaired Transition P/N 40B21912 WO #33794, Pipe Adapter P/N 40B19840 WO #33796, Wastegate Pipe P/N 40B22317 WO #33797, Tailpipe P/N 40B22316 WO #33798. Repaired by Plane Exhaust Corp.		
—	5. Drained Oil, Serviced Engine with 11 Qts of Aeroshell W100 Mineral Oil, new Champion Oil Filter Part No.: CH48110-1 inspected Oil Screen as required as per MM, Found Satisfactory.		
—	6. Installed New Intake Air Filter with New P/N P-15-1936		
—	7. Replaced Alternator Bolt with New P/N LW31H1.22		
—	8. Installed new Turbo inlet temperature probe with new P/N 481-400		
—	9. Removed 4 Engine Mounts and Replaced with New P/N J9613-12		
—	10. C/W AD2015-19-07 Externally mounted fuel lines next due hobbs 1937.7		
—	11. Ran engine no leaks noted at this time		
—	12. AD reviewed thru 2018-17		
—	13. Performed Annual inspection on this Engine IAW 14 CFR43 Appendix D, and found to be in an Airworthy condition at this time and found ok to return to service.		
—	Daniel Ram IA 111689132 		

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Thoroughbred Aviation Maintenance, Inc.
Engine

Date: 03/01/2019
AC: N492BC

Type: Piper PA32R-301XTC
AC SN: 3255037

WO: 192045
Hobbs: 1850.4

1. Tightened loose alternator belt. Ops check good. Safetied mounting hardware as required.
2. Removed and replaced both seat tubes connected bottom baffle to engine. Secured as required. Ops check good.

End

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under Work Order: 192045
Date: 03/01/2019 Signed: *[Signature]* AP: 3955584



Thoroughbred Aviation Maintenance, Inc.
Engine

Date: 06/04/2019
AC: N492BC

Type: Piper PA32R-301XTC
AC SN: 3255037

WO: 193141
Hobbs: 1862.6

1. Changed oil and filter and serviced with 11 quarts of Acro Shell W100. Cut filter open and inspected for debris, inspected and installed oil screen, torqued and safety wired.
2. Ran engine and checked for oil leaks. Serviceable.

End

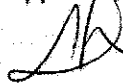
MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under Work Order: 193141
Date: 06/04/2019 Signed: *[Signature]* CRS/R314199Y

DATE 20__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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**AKERMAN AVIATION • 1321 APOPKA AIRPORT RD • HANGAR 54
APOPKA, FLORIDA 32712 • ORLANDO-APOPKA AIRPORT (X04)**

- 11-13-2019 N492BC HM:1922.0 ETT:1922.0 SMOH:084.3
- Compression Check: #1 - 76/80, #2 - 75/80, #3 - 75/80, #4 - 72/80, #5 - 74/80, #6 - 75/80
- Drained oil removed filter and removed sump screen. Lubrication system inspected with no abnormalities noted. Installed sump screen with P/N MS35769-21. Installed AA48110-2 filter and serviced engine with 11 quarts of Phillips 20W50 XC. Cleaned, gapped, inspected and pressure tested all spark plugs. Magneto to engine timing check, no adjustments needed. Cleaned and inspected induction air filter.
- All STCs checked for compliance in accordance with requirements of Continued Airworthiness.
- ADs checked for compliance, see compliance checklist dated 11-13-2019.
- I certify that this engine has been inspected in accordance with manufacturers requirements and FAR 43, Appendix D, for ANNUAL inspection and has been found airworthy this date and time.



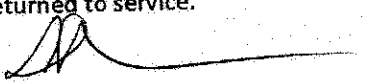
Amos T. Akerman A&P 2862556 IA

12/1
6/1

AKERMAN AVIATION • 1321 APOPKA AIRPORT RD • HANGAR 54
APOPKA, FLORIDA 32712 • ORLANDO-APOPKA AIRPORT (X04)

03-06-2020 N492BC HM:1986.5

Drained oil and removed filter. Inspected lubrication system with no abnormalities noted. Installed AA48110-2 filter and serviced engine with eleven (11) quarts of Phillips 20W50 XC. Operational checks – satisfactory. Aircraft returned to service.


Amos T. Akerman A&P2862556 IA

AKERMAN AVIATION • 1321 APOPKA AIRPORT RD • HANGAR 54
APOPKA, FLORIDA 32712 • ORLANDO-APOPKA AIRPORT (X04)

10-23-2020 N492BC Lycoming TIO-540-AH1A S/N L-12111-61A HM:2074.3 ETT: 2074.3 SMOH: 236.6

Compression Check: #1 – 77/80, #2 – 73/80, #3 – 76/80, #4 – 75/80, #5 – 73/80, #6 – 77/80


Drained oil and removed sump screen and filter. Inspected lubrication system with no abnormalities noted. Installed sump screen with P/N MS35769-21. Installed AA48110-2 filter and serviced engine with 11 quarts of Phillips 20W50 XC. Cleaned, gapped, inspected and pressure tested all spark plugs. Checked magneto to engine timing, adjusted back to specifications. Cleaned and inspected induction air filter.

Replaced failed manifold drains with P/N LW13807 and P/N O2A22460.

All STCs checked for compliance in accordance with requirements of Continued Airworthiness.

ADs checked for compliance, see compliance checklist dated 10-23-2020.

I certify that this engine has been inspected in accordance with FAR 43, Appendix D and manufactures requirements for ANNUAL inspection and has been found airworthy this date and time.


Amos T. Akerman A&P 2862556 IA