

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 5394Y

Engine Manufacturer LYCOMING

Model I0540 C4B5

Serial No. L2526-48

Date installed on aircraft 9-23-99

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

☐ Right ☒ Left
☐ Front ☐ Rear



AEROTECH PUBLICATIONS INC.

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(631) 765-9375
1-800-235-6444
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03/03/2019 N5894Y PA-23-250 \$27-3048 TACH 3245.36 HM 3287.9

L Engine #5 cylinder CHT fluctuating. R mag drop over 300 RPM in flight. Run up performed: NDN, suspect momentary carbon fouling. Aircraft returned to service in airworthy condition with respect to work completed.

work completed.

This entry created 3/8/19 for expostory purposes as Not
Required per 14 CFR 91.407 due to no maintenance
Performed as inability to duplicate discrepancy at Ramp. No WO opened.

LUHTECHJET  Matthew

LUHTECHJET Matthew Hood

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

Date: 06/01/2014
TACH: 3163.42
SMOH: 500.42

Reg. No: 5894Y
Ser. No: L2526-48

Horizon Avionics, Inc.

2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701

L ENGINE LOG ENTRY

CW Annual Inspection IAW Horizon Avionics Inspection Guide. CW AD research through BiWeekly 2014-08. Drained oil and cut open filter; No metals noted. Installed new CH48110-1 filter torque & safety serviced with 11Qts Aeroshell 100w oil. Compression check as follows 1.)70 2.)72 3.)77 4.)65 5.)65 6.)60 all over 80 PSI. Installed new Induction Air filter. Ground ran leak and ops check good.

MAINTENANCE RELEASE

I certify that this Engine has been inspected IAW a Annual Inspection and was determined to be in an Airworthy condition. Pertinent Details Are On File Under Work Order No. M2967.

Signed: _____ Cert. No: _____ Date: 06/01/2014
For Horizon Avionics, Inc.

Date: 8/20/15
HM: 3232.7
Tach Lh: 3200.44
Tach Rh: 3182.54

N5894Y
Lyc: IO-540-C4B5
S/N: L2526-48

Horizon Avionics, Inc.

2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701

LT ENGINE LOG ENTRY

C/W 100Hr Insp I/A/W FAR 43 Appendix D. 1/79 2/78 3/70 4/65 5/77 6/74. Drained oil removed filter cut open no metal. Lube torque & safety CH48110 added 11 Qts Aeroshell 100W. R2 manifold press line W/new P/N 30248-00. Grnd run ops & leak ck good.

MAINTENANCE RELEASE

I certify that this Airframe has been repaired and is Approved For Return To Service as to work performed. Pertinent Details Are On File Under Work Order No. M3732.

Signed: _____ Cert. No: _____ Date: 8/21/15
For Horizon A _____

11/27/18 L-Engine Lycoming IO-540C4B5 \$L-2526-48 N5894Y PA-23-250 \$27-3048 HM 3249.7
Complied with Annual/100hr Inspection IAW 14CFR43 Appx D. RR with new oil filter. Oil not change due to recent performance. RR with new spark plug gaskets PN# M674. Engine cylinder compressions are all above 70/80 psi.

I certify that this engine has been inspected IAW 14CFR43 Appx D for annual/100hr inspection, has been found airworthy at this time, and is returned to service. All applicable AD's noted to have been complied with at this time.



Matthew Hood



Matthew Hood



AIRFRAME MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N5894Y

Aircraft Mfg. PIPER Model PA23-250 Serial No. 27-3048

REAR Engine Mfg. LYCOMING Model I0-540-C4B5 Serial No. L2448-4B

LEFT Engine Mfg. LYCOMING Model I0-540-C4B5 Serial No. L-2526-4B

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



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2/07/2019 N5894Y PA-23-250 \$27-3048 HM 3266.6

RR R main up-lock indicator switch with new 1CH23-4 due to malfunction. RR fuel valve with new 492-052 due to cracked fitting. RR cross feed drain valve with svc 17946-00 due to broken valve arm. RR L engine air filter with new BA15. Aircraft returned to service in airworthy condition with respect to work completed.

DA



Matthew Hood

2/07/2019 N5894Y PA-23-250 \$27-3048 HM 3266.6

RR L starter with new 149NL \$H-S11246 due to being weak. Aircraft returned to service in airworthy condition with respect to work completed.



Matthew Hood

SUB-TOTAL this page

TOTAL—Carry forward to next page

11/13/18 N5894Y PA-23-250 \$27-3048 HM 3249.7

Page

Complied with Annual/100hr Inspection IAW 14CFR43 Appx D. RR with new oil filter for R and L engine. Oil not change for both engines due to recent performance. RR with new spark plug gaskets PN# M674. R and L engine cylinder compressions are all above 70/80 psi. RR with all new windshield W-2080, pilot asm window W-2315, door window W-2082-187, center window W-2083-187-LH, center window W-2083-187-RH, rear window W-2084-187-LH and rear window W-2084-187-RH (cf Great Lakes Aero invoice# 173439). Lock, RR with new nosecone lock assembly kit MC88409. VSI, RR with new VSI T8-310-40 \$A1239. Attitude, RR with oh unit RCA22-7 \$857432 (cf Berkshire Instrument crs# VV5R289N WO# 40543 Dated Sep 23 2013). RR AIS with new oh 541 \$1647 (cf Rudy Aircraft Instruments crs# R1ZR316K WO#50924 Dated Oct 10 2018). Aircraft returned to service in airworthy condition with respect to work completed.



Matthew Hood

I certify that this aircraft has been inspected IAW 14CFR43 Appx D. for Annual/100hr Inspection, has been found airworthy at this time, and is returned to service. All applicable AD's noted have been complied with at this time.



Matthew Hood

FLIGHT LINE AVIONICS, INC.
SUPPLEMENTAL LOG BOOK ENTRY

Aircraft Registration: N5894Y S/N: 27-3048 Model: PA23-250
Performed altimeter static system test and automatic pressure altitude reporting system and the following listed are found to comply with the requirements of FAR 91.411 IAW Appendix E of Part 43. Tested to 20 thousand feet.

Altimeter P/N: 5934P-3	S/N: 468707	Cal. Date: 8/29/2018
Blind Encoder Model: SSD120	S/N: 25631	Cal. Date: 8/29/2018

Performed transponder test and the following listed are found to comply with requirements of FAR 91.413 IAW Appendix F of Part 43.

Transponder Model: AT150 S/N: 22285 Cal. Date: 8/29/2018
Details on file at this Repair Station under Work Order: # 12170

Signed: _____ **DUE NEXT: 8/2020**

North County Airport
11550 Aviation Blvd. Suite 3
West Palm Beach, FL 33412
(772) 528-4881
CRS F18R921Y

AIRCRAFT LOG ENTRY

January 31, 2019 N5894Y 3272.0 Hobbs
Removed the Narco AT 150 Transponder and installed a used serviceable Garmin GTX 327 Transponder as per the GTX 327 Installation manual P/N 19-00187-02 Rev. R and Acceptable Methods, Techniques, and Practices contained in FAA AC 43.13-1B & 2B. The installation of the GTX 327 was evaluated in accordance with FAR 43 Appendix A and determined not to be major alteration to this aircraft. Revised the aircraft weight/balance and equipment list. The transponder was tested and inspected as required by FAR 91.413 and found to meet the performance specification of FAR 43, Appendix F. Aircraft complies with FAR. 91.413 The encoder/transponder correspondence was tested I/A/W AC43-6D chapter 9.6.4 as per FAR 91.411 Chapter (a) paragraph {3}.

Transponder: Garmin GTX 327, S/N 83727537

The aircraft and/or component identified above was inspected in accordance with current FAA Regulations and was found airworthy and approved for the return to service. Records of service or alterations are on file at this agency. Reference Work Order # 32544

Palm Beach Avionics, Inc. FAA CRS M4R363M

Authorized Signature