



MEMORANDUM FOR RECORD

Excerpts from Engine Logbooks
ERA20LA126

Peter Wentz
Air Safety Investigator
Eastern Region Aviation

N656ST Logbook Entries

Registration	Model	Serial #	Date
N656ST	PA-28-181	2843656	3-4-20
Airframe TT	Hobbs		
4102.6	4102.6		

AIR BEAR AVIATION

- Accomplished a 100hr inspection at this time in accordance FAR part 43 appdx D
- Reviewed AD's and checked for compliance thru bi-weekly 2020-05.
- Routine servicing accomplished at this time. All wheels removed, bearings repacked, and wheels resecured to the aircraft. The brake pins and bosses were cleaned and lubricated. All landing gears cleaned and lubricated. All hinges, pulleys, and bellcranks lubricated. The aircraft battery was removed, serviced, and resecured to the aircraft. The engine induction filter element was replaced p/n BA3. The gascolator and fuel pump screens were disassembled, checked for contaminants, cleaned, and reassembled with new gaskets.
- Removed and replaced the left main tire with new 6.00-6 Airhawk

I certify that the work performed was accomplished in accordance with the applicable chapters of the Airframe / Engine maintenance manual and current regulations of the FAR's. This aircraft has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition.

Jacob Hebert A+P [REDACTED]

Total To Carry Forward			

Photograph 1 – N656ST Airframe Logbook 100 hour inspection.

ENGINE LOG				Serial No. _____
Registration	Engine Model	Serial #	Date	
N656ST	O-360-A4M	L-25295-39E	3-4-20	
Engine TSMO	Engine TT	Hobbs		
1585.1	4817.2	4102.6		

Accomplished a 100hr inspection at this time in accordance FAR part 43 appdx. D. Reviewed AD's and checked for compliance thru bi-weekly 2020-05. Ground ran engine to operating temp and performed compression check results as follows; #1-68, #2-70, #3-68, #4-72. Drained oil and removed oil filter and suction screen screen, inspected for contaminants per Lycoming SB480F with no defects noted. Installed a new AA48110-2 oil filter and saftied. Re-installed the oil suction screen with a new gasket and saftied. Serviced the sump with 7qt Phillips 20w-50XC. Removed, inspected, cleaned, gapped, and tested all spark plugs. Replaced 4 plugs with new REM40E. Rotated, reinstalled all other plugs to the the engine with new gaskets and torqued. Checked engine-to-mag timing. Drained carb bowl and inspected fuel inlet screen. Inspected exhaust system for leaks and condition of all heat muffis and mufflers. **Removed the left magneto, installed unit p/n 4371, s/n H-08819 overhauled by Kelly Aerospace CRS # 9KJR356C under w/o # 1909283. Removed the right magneto, installed unit p/n 4370, s/n H-07971 overhauled by Kelly Aerospace CRS # 9KJR356C under w/o # 1908395.** Engine washed and controls lubricated. Engine was run to operating temp, idle thru static, idle and mixture adjustment checked, runup and leak check satisfactory. All work was accomplished IAW the Lycoming direct drive overhaul manual.

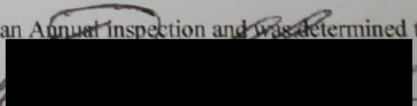
I certify that this engine has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition.
 Dylan Peters A+P [Redacted Signature]

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

Photograph 2 – N656ST Engine Logbook 100 hour inspection.

 7/3/2019 Tach: 3698.9 AFTT: 3698.9	Atlantic Aircraft Services Beverly Muni. Arpt. Danvers, Ma. 01923	N656ST PA28-181 Ser.#2843656
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1. Complied with an Annual inspection in accordance with FAR 43 appendix D.
2. Complied with Airworthiness Directives. Checked all other AD's through Bi-weekly 2019-14
3. Top charged battery and load checked (good). Reinstalled.
4. Cleaned connections to roll servo. Op's check OK.
5. C/W FAR 91-207(d) ELT inspection found serviceable. Battery EXP. Sep. 2020.
6. Checked cable tensions (good).
7. Serviced brake reservoir with 5606 hydraulic fluid.
8. Inspected wheels, brakes and bearings. Repacked bearings, replaced both sets of brake linings, resealed LH brake caliper and bled brakes, and serviced all tires with air.
9. Lubricated 100 HR airframe items and gear scissions.
10. I certify that this airframe has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.


 CRS# [Redacted] W.O# 5955

Photograph 3 – N656ST Airframe Logbook Annual inspection.



7/3/2019
Tach: 3698.9
ETSMO: 1181.4

Atlantic Aircraft Services
Beverly Muni. Arpt.
Danvers, Ma. 01923

N656ST
PA28-181
Ser.#2843656

1. Complied with an Annual inspection in accordance with FAR 43 appendix D.
2. Complied with Airworthiness Directives. Checked all other AD's through Bi-weekly 2019-14.
3. Compression check 1-74/80 2- 76/80 3- 74/80 4- 69/80
4. Oil and filter change, serviced with 8qts Phillips 20W/50 oil. Checked filter and screen for contamination none found at this time.
5. Cleaned, gapped, tested and rotated sparkplugs.
6. Checked magneto timing and preformed high tension lead test.
7. Replaced rocker cover gasket to #3 cylinder.
8. Retorqued oil filler tube and safetied.
9. Removed fuel primer nozzles, cleaned and reinstalled.
10. Cleaned fuel bowl and fuel screens.
11. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.

		Page Total
		Brought Forward
		Total to Date

All Repair Data Must Bear the Endorsement of a
Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

Photograph 4 – N656ST Engine Logbook Annual inspection.