

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

AIRCRAFT DATA

1. Nationality & Registration N61315
2. Manufacturer's Designation
(Make & Model) - AT 502B -
3. Manufacturer's Serial
Number AT 502B - 0305
4. Type Approval or
Specification Number _____
5. Date of Manufacture 05 - 19 - 1995
6. Aircraft Inspection Cycle



Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							



HSI TURBINES, INC.

Specializing in Ag-Aircraft Maintenance

04/12/2017 N61315 AT502B 502B-0305 Airframe Total time: 7115.0hrs

Complied with an ANNUAL inspection IAW FAR 43 Appendix D. Removed all panels and inspection covers. Cleaned Inspected and repacked Main wheel bearings. Installed new LH master cylinder bled and serviced brake system. Installed new tail wheel tire, tube, tail wheel bearings and tail fork bushings. Centering springs Tail spring safety cable and tail spring/fork/housing attach hardware. Lubricated flap drive gear. Installed new rudder cables. Installed 04ea. new a rudder cable pulleys. Tightened and lubricated rudder pedal upper arms. Removed flight controls and installed new attach bearings and hardware as required and reinstalled. Installed new bushings in elevator trim. Installed new Rudder trim eye bolt. Installed new elevator trim hinge pins. Lubricated all flight controls and linkages. Cleaned corrosion from battery box's and patch repaired as required. Painted battery box's with acid proof paint. Installed new wing walk on RH side. Installed 10ea. New VG's to replace missing ones. Weld repaired T-boom hangars as required. Repaired panel stringers as required. Patch repaired aircraft skins as required. OPS checked aircraft electrical system. Repaired Navigation lights wiring. Installed new RH strobe bulb. Installed new inlet air filters P510337. Patch repaired FWD belly skin as required. Installed new fuel hoses from header tank to firewall.

AD REPORT:

AD98-25-01 Flap Actuator Over travel stop
AD01-10-04 R1 Wing lower spar cap.
AD03-07-04. Vertical Fin front spar fittings
AD04-15-14 Fuselage upper longeron cracks.
AD06-23-14 Rudder & Vertical fin.
AD06-24-10 Wing Lower spar caps.

PCW
PCW
N/A by Serial Number.
N/A by Serial Number.
N/A by Serial Number.

Complied with by Eddy current inspection. Next due at AFTT:7401.5. Wing Lower spar caps are life limited to 8000hrs.

AD08-26-01 Overturn Skid Plate.
AD09-01-05 Engine Mount Cracks.

PCW
Complied with by inspection. Next due @ AFTT:7215.0hrs.

AD's conformity checked and complied with through this date.

I certify that this Airframe has been inspected IAW an ANNUAL inspection and was determined to be in an airworthy condition

A&P

Richard W. Harvey

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CARRY FORWARD to Top of Next Page

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA**HSI TURBINES, INC.**

Specializing in Ag-Aircraft Maintenance

04/21/2018 N61315 AT502B 502B-0305 Airframe Total time: 7451.8hrs

Complied with an ANNUAL inspection IAW FAR 43 Appendix D. Removed all panels and inspection covers. Cleaned Inspected and repacked Main wheel bearings. Installed new O-rings in LH & RH brake calipers, bled and serviced brake system. Cleaned primed and painted, tail spring, tail fork, tail fork housing and clamp block. Installed new upper and lower tail fork bushings. Cleaned and packed tail wheel bearings and tail fork bushings. Lubricated flap drive gear. Installed new rudder cables. Installed 02ea. new aft rudder cable pulleys. Tightened and lubricated rudder pedal upper arms. Installed new lower money handle boot. Removed flight controls and installed new attach bearings and hardware as required and reinstalled. Installed new bushings in elevator trim. Installed new Rudder trim eye bolt. Lubricated all flight controls and linkages. Cleaned corrosion from battery box's and painted battery box's with acid proof paint. Installed 02ea. New Aircraft Batteries. Installed new 24-12V convertor. Installed new wing walk as required. Installed 05ea. New VG's to replace missing ones. Repaired panel stringers as required. Patch repaired aircraft skins as required. OPS checked aircraft electrical system. Repaired Navigation lights wiring. Installed new inlet air filters P510337. Installed new fuel and oil lines firewall forward. Fuel boost pump and motor overhauled and re-installed. Installed new CA3026 beta block. *Complied with an Eddy Current inspection IAW PS197 & AD 2006-24-10. No cracks were detected at this time. Wing lower spar cap replacement is due at AFTT: 8000hrs.*

AD REPORT:

AD98-25-01	Flap Actuator Over travel stop	PCW
AD01-10-04 R1	Wing lower spar cap.	PCW
AD03-07-04.	Vertical Fin front spar fittings	N/A by Serial Number.
AD04-15-14	Fuselage upper longeron cracks.	N/A by Serial Number.
AD06-23-14	Rudder & Vertical fin.	N/A by Serial Number.
AD06-24-10	Wing Lower spar caps.	Complied with on this date by Eddy current inspection. Wing Lower spar caps are life limited to 8000hrs.
AD08-26-01	Overturn Skid Plate.	PCW
AD09-01-05	Engine Mount Cracks.	Complied with by inspection. Next due @ AFTT:7551.8hrs.

AD's conformity checked and complied with through this date.

I certify that this Airframe has been inspected IAW an ANNUAL inspection and was determined to be in an airworthy condition [REDACTED] **A&P** [REDACTED]

Richard W. Harvey

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							
4/10/2019	00	55	76	10.0			OPENED ALL ACCESS PLATES AND PANELS FOR INSP. CHECKED ALL ROD ENDS, PULLEYS AND CABLES, PACKED MAIN WHEEL BEARINGS, REPACKED T/W BEARINGS, REPLACED SL 171 KIT, LUBED T/W FORK HOUSING. REPLACED RUDDER AND ELEVATOR BEARINGS AS NEEDED, REPLACED BUSHINGS AND HARDWARE AS NEEDED FOR SERVO RODS. REPLACED BOTH FORWARD INTERCONNECT PULLEYS, REPLACED BEARING IN LH FLAP INTERCONNECT BELL CRANK. REPLACED BEARINGS AND SPACER IN AFT ELEVATOR BELL CRANK CK/SERVICED BATTERIES. REPLACED AIR FILTERS, CLEANED F/W FILTER. C/W VISUAL INSP OF ENG MOUNT AD09-01-05, NEXT DUE @ 7710. SPAR CAPS DUE REPLACEMENT @ 8000. C/W VISUAL INSP OF LONGERON AN 04-15-14 NEXT DUE @ 7710. I CERTIFY THIS AIRCRAFT HAS BEEN INSP IAW ANI ANNUAL INSP AND FOUND TO BE AIRWORTHY.
							GRANT C NOOKS

Date: 05/23/2020 Tach Time: 7877.1 Total Time: 7877.1

Preformed Annual Inspection IAW Far 43 Appendix D and Air Tractor service manual removed all panels and repaired as needed replaced missing camloc fasteners. Removed and replaced tail wheel tire and tube with new 500-5 tire and tube packed tail wheel bearings removed tail wheel fork checked bushing greased tail wheel spindle. Rotated main tires both side packed wheel bearings. Replaced all brake pads using RA-108-66 replaced rear brake assembly P/N # refilled reservoir bleed brakes ops tested ok. Removed inspection plates inspected all control pulleys, cables and bell cranks inspected rod end bearings all control hinges for security, greased flap actuator rudder upper arm. Ops tested nav lights replaced right strobe light, installed new cannon plug MS3106A-128-3 on chip detector ops tested ok. Checked AD's through this date AD 98-25-01 Flap Actuator over travel stop PCW AD 01-04-R1 Wing lower spar cap PCW AD 03-07-04 Vertical fin front spar fittings NA by serial number AD 04-15-14 Fuselage upper longeron cracks NA by serial number AD 06-23-14 NA by serial number AD 06-24-10 Wing lower spar caps PCW next due at 8000 AFTT AD 08-26-01 PCW AD 09-01-05 Engine mount cracks by visual inspection next due at 7977.1 AFTT. I certify this aircraft has been inspected IAW Annual inspection found to be in airworthy condition return to service. Scott Harbour A&P