

Excerpts of Maintenance Records

NTSB Investigation: ERA21LA322 | N906ER

Annual Inspection

	02-12-2021 N906ER TACH 6049.5 ACTT 6049.5 Performed an Annual inspection on this Airframe I/A/W FAR Part 43 appendix D in scope and detail, using DA42 MM as a guide. Inspected all pulleys, cables, hinges, and push pull tubes. Lubricated all applicable lube points. C/W FAR 91.207 (d) ELT functional check. ELT battery Next due: December ^{May} 2022. AD 93-5-6 Ignition Switch P/C/W at ACTT 5076.2. AD Next due ACTT 7076.2. Performed operational check on both. Repacked all wheel bearings. Replaced o-rings in right brake caliper P/N MS28775-222. Replaced all brake linings P/N RA066-105 and both brake rotors P/N RA164-01501. Replaced right and left air filter P/N FR-08504. Replaced nose tire with new AIR HAWK 5.00x5x10PR and new leak guard tube 5.00x5. Replaced missing jack pad P/N 20-1200-01-01. Changed fuel screens in gascolators P/N FIA 375. Replaced leaking sump drain P/N CCA1550. All AD's checked to date. Ground run engine and check for leaks and proper operation. I certify this AIRFRAME has been inspected in accordance with an annual inspection and was found to be in airworthy condition and returned to service. -END- Billy M. Ramey
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100-Hour Inspection

07-31-2021 N906ER TACH 6149.5 ACTT 6149.5			
Performed an 100 hour inspection on this AIRCRAFT I/A/W FAR Part 43 Appendix D in scope and detail using Diamond DA 42 MM as guide. C/W Far 91.207 (d) ELT functional Check. Ops check good. ELT battery May 2024. AD 93-05-06 Ignition Switch P/C/W. Next due at ACTT 7076.2. All AD's checked to date. New AD list printed and updated. Inspected all cables, pulleys, hinges and push pull tubes. Lubricated all applicable lube points. Performed landing gear extension and retract checks in normal and emergency modes. No discrepancies noted. Replaced right main brake caliper piston seals (2) P/N MS28775-222. Bleed brakes and performed operational check. Ground run and checked for proper operation. I certify this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition and is approved for return to service. –			
END-			
			
Austin R Gordon		A	

Annual Inspection, Right Engine

02-12-2021 N906ER TACH 6049.5 TSMOH 2742.8 ETT 4866.3

Performed an **Annual** inspection on this **Right Engine** I/A/W FAR Part 43 appendix D in scope and detail, using DA42 MM as a guide. Compression are as follows; (1) 79/80, (2) 70/80, (3) 78/80, (4) 78/80. Removed cylinder #2 and installed cylinder removed in serviceable condition from N1868B. Removed, cut open, and inspected spin on oil filter. Took oil sample. C/W **AD2015-19-7 fuel lines and clamps** by visual inspection per notes. Installed new AA 48110-2 oil filter. Service crankcase with 7 QTS of Phillips Victory 20W50. Replaced all 8 spark plugs with UREM38E. Checked magneto to engine timing. Repair #2 EGT probe and replace #2 CHT probe P/N A602BG-WIP. Cleaned, inspected fuel screens, and replaced gascolator fuel screen P/N FIA 375. Cleaned and inspected fuel injector nozzles. Lubricated all applicable lube points. All AD's checked to date. Ground run engine and check for leaks and proper operation. I certify this **ENGINE** has been inspected in accordance with an annual inspection and was found to be in airworthy condition and returned to service. -END-


Billy M. Ramey



100-Hour Inspection, Right Engine

07-31-2021 N906ER TACH 6149.5 ACTT 6149.5 TSMOH 2842.8 ETT 4966.3

Performed an 100 hour inspection on this **RIGHT ENGINE** I/A/W FAR Part 43 Appendix D in scope and detail using Diamond DA 42 MM as guide. **C/W AD 2015-19-07 Fuel Injection Lines by inspection per AD notes. No discrepancies noted. Next Due ACTT 6249.5. All AD's checked to date.** New AD list printed and updated. Compression's are as follows: 1) 75/80, 2) 75/80, 3) 78/80, 4) 76/80. Master orifice reading 45/80. Drained engine oil. Take oil sample. Removed, cut open, and inspected spin on oil filter. Installed new AA48110-2 oil filter. Serviced crankcase with 7 quarts of Philips 20W50 Victory. Check magneto to engine timing. Removed, inspected, cleaned gapped, tested, rotated and reinstalled spark plugs. Lubricated all applicable lube points. Ground run engine and check for leaks and proper operation. **I certify this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition and is approved for return to service. -END-**

Austin R Gordon

Annual Inspection, Left Engine

02-12-2021 N906ER TACH 6049.5 TSMOH 2840.9 ETT 2840.9

Performed an Annual inspection on this Left Engine I/A/W FAR Part 43 appendix D in scope and detail, using DA42 MM as a guide. Compression are as follows; (1) 79/80, (2) 79/80, (3) 78/80, (4) 78/80. Removed cylinder #3 and installed cylinder removed in serviceable condition from N1868B. Removed, cut open, and inspected spin on oil filter. Took oil sample. C/W AD2015-19-7 fuel lines and clamps by visual inspection per notes. Installed new AA 48110-2 oil filter. Service crankcase with 7 QTS of Phillips Victory 20W50. Removed, cleaned, gapped, and tested spark plugs. Checked magneto to engine timing. Cleaned, inspected fuel screens, and replaced gascolator fuel screen P/N FIA 375. Cleaned and inspected fuel injector nozzles. Lubricated all applicable lube points. All AD's checked to date. Ground run engine and check for leaks and proper operation.

I certify this ENGINE has been inspected in accordance with an annual inspection and was found to be in airworthy condition and returned to service. -END-


Billy M. Ramey

100-Hour Inspection, Left Engine

07-31-2021 N906ER TACH 6149.5 ACTT 6149.5 TSMOH 2940.9 ETT 2940.9 Performed an 100 hour inspection on this LEFT ENGINE I/A/W FAR Part 43 Appendix D in scope and detail using Diamond DA 42 MM as guide. C/W AD 2015-19-07 Fuel Injection Lines by inspection per AD notes. No discrepancies noted. Next Due ACTT 6249.5. All AD's checked to date. New AD list printed and updated. Compression's are as follows: 1) 77/80, 2) 77/80, 3) 78/80, 4) 74/80. Master orifice reading 45/80. Drained engine oil. Take oil sample. Removed, cut open, and inspected spin on oil filter. Installed new AA48110-2 oil filter. Serviced crankcase with 7 quarts of Philips 20W50 Victory. Performed 500 magneto inspection on both magnetos. Removed magnetos and dissembled on bench. Replaced distributor gear P/N K3008 and cam P/N M3611 in both magnetos. Both were internally timed, installed and time to engine. Ops check good on ground run up. Removed, inspected, cleaned gapped, tested, rotated and reinstalled spark plugs. Lubricated all applicable lube points. Ground run engine and check for leaks and proper operation. I certify this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition and is approved for return to service. --END- Austin R Gordon	

Propellers, 100-Hour and Annual Inspection

02-12-2021 N906ER TACH 6049.5 TSMOH 883.5 PTT 3697.0			
Perform an Annual inspection on this Left Propeller I/A/W FAR 43 appendix D in scope a			
Replaced rod end to governor P/N HF 3M. All AD's checked to date.			
I certify this PROPELLER has been inspected in accordance with an annual inspection and was found to be in airworthy condition and returned to service. -END-			
[Redacted Signature]			
Billy M. Ramey			
07-31-2021 N906ER TACH 6149.5 ACTT 6149.5 TSMOH 983.5 PTT 3797.0			
Dress blades. All AD's checked to date. I certify this LEFT PROPELLER has been inspected in accordance with an 100 hour inspection and was found to be in airworthy condition and is approved for return to service. -END-			
[Redacted Signature]			
Austin R Gordon			

PROPELLER SERVICE AND					
DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
07-31-2021 N906ER TACH 6149.5 ACTT 6149.5 TSMOH 549.0 PTT 798.6					
Dress blades. All AD's checked to date. I certify this RIGHT PROPELLER has been inspected in accordance with an 100 hour inspection and was found to be in airworthy condition and is approved for return to service. -END-					
[Redacted Signature]					
Austin R Gordon					

PROPELLER SERVICE AND					
DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
07-31-2021 N906ER TACH 6149.5 ACTT 6149.5 TSMOH 549.0 PTT 798.6					
Dress blades. All AD's checked to date. I certify this RIGHT PROPELLER has been inspected in accordance with an 100 hour inspection and was found to be in airworthy condition and is approved for return to service. -END-					
[Redacted Signature]					
Austin R Gordon					