

Aircraft Associates
 Notable Aircraft Maintenance History
 8/28/23

Registration	Make	Model
N55WS (N98498)	Cessna	1976 C421 C Golden Eagle

Serial No.	Engine	Paint
421C-0073	GTSIO-520-L	

Log	Date Logged	Item(s) Addressed	Critical Item
Airframe Log 1	April-76	Standard airworthiness certificate issued	
	June-76	Installed Bendix FCS810 Autopilot	
	March-77	Installed new hour meter zero time. Old unit read 269.5 hours	
	June-78	Installed new RH aux fuel pump	
	March-79	Installed factory new A/C blower motor	
Airframe Log 2	August-80	Replaced LH aux inline fuel pump	
		Installed 0 time factory reman engine on LH and RH sides with new lord mounts, hydraulic pump and exhaust bypass elbow. Both engines had OH'd turbos, controllers, injector systems, mags and starters.	Engine Overhauls
	March-81	Installed new heater hour meter at 0 time. 1523.3 on Hour meter.	
	June-81		
	October-81	Installed new propeller s/n	
		Removed LH and RH upper wing skin panels for bond condition inspection and installed new skin panels. Repaired hole in top of RH engine cowling. Damage to trailing edge of rudder	
	February-82	repaired. Repainted with 1982 Cessna paint scheme	New paint
	May-82	Installed RH aft exhaust pipe on left	
		Replaced hour meter with meter reading 0 time. Previous	
	October-83	2290.8 hours.	
	October-84	Replaced both alternators	
	March-85	Repaired crack on RH outboard flap inboard aft corner	
		Completed strip, corrosion treatment, alodined and painted exterior. Registration is N55WS	New paint
	October-87	OH'd propellers, governors and tach generators at 3521.0 AFTT, hour meter 960.8	
Airframe Log 3	April-88	Installed RAM remanufactured LH engine and aircraft gross weight increased IAW STC SA5981SW. Installed Alcor range-marked EGT gage IAW STC SA522SW. OH'd left engine wastegate and valve assy. Installed re-marked manifold	
	May-88	pressure gauge and 3-in-1 gauges per STC requirements.	RAM GW Increase
	March-89	Cleveland Wheel and Brake conversion kit per STC SA197GL	
		Installed Aux Fuel Pump Wiring modification kit and fuel boost pump on LH side	
	May-89		
	July-89	Removed, cleaned, painted cockpit window trims	
		Removed RDR-130 and installed the following: Narco KWX56	
	August-89	system, Northstar Loran and Terrex Jetfone	
		Installed Continental rebuilt GTSIO-520L on RH side in place of existing. Replaced tail overboard exhaust with overhauled unit. Replaced wastegate, controller and turbo with OH'd units.	
	January-90	Installed EZ Heat 470 heater.	
		Removed, resealed and reinstalled RH prop then dynamically	
	February-90	balanced. Installed Bracket air filters on both engines.	
		Installed repaired tailpipe on RH engine due to discovering 3" x	
	January-96	4" hole in it.	
	November-97	Replaced pilot side windshield with new Cessna part.	

	Aircraft released for test flight for the following: spoiler installation, vortex generator installation and LH engine repair	
Airframe Log 4	May-98 and reinstallation. Removed rudder and replaced rear rudder spar. Installed new bladder in left nacelle tank. Replaced LH and RH prop, mixture and throttle cables. Installed repaired spinner on LH prop. Installed the follow: vortex generator system IAW STC SA00015SE , Airstair Door Saver IAW STC SA2440SW, and Spoilers Inc. Spoiler System IAW STC SA4913NM.	Airframe modifications
	June-98 Installed new horn in Stall warning system. AOA system test	
	July-98 normal.	
	August-98 Installed OH'd prop governor on LH engine	
	Installed OH'd exhaust on RH outboard exhaust bank. Installed all new cable seals and resealed windscreen post and bolts. Rebuilt Ram air valve. Sealed numerous leaks in pressure	
	November-98 vessel.	
	Removed and replaced Cabin Pressure Controller, Manifold	
	March-01 valve nose gear retract cylinder and sealed pressure vessel.	
	Replaced LH turbo wastegate, tail pipe, v clamp and waste	
	March-02 gate accordion pipe	
	Aircraft weighed due to installation of new com/nav equipment and new interior. Installed the following: new United Instruments altimeter, TAS 1000 indicator, GTX 327 and GTX 330 transponders, GDL69 Data link, GMA 347 audio panel, GNX 430 GPS, GNX 480 GPS, Artex ME 406 ELT and MX 20	
	February-07 MFD.	New interior?
	September-20 Installed uAvionix tailBeacon for ADS-B	
	C/W AD 200-01-16 Exhaust System Corrosion Inspection IAW Par's. B, C & E. Note: Par. D due at 6668.6 hours; Par. F at 6643.2 hours; Par. G at 05-2024 or 8643.2 hours. Emergency gear blow down nitrogen bottle inspected (full charge). Installed new wastegate elbow on LH side and new slip joint on LH engine inboard side. Replaced LH air conditioning blower	
	May-21 motor.	
	Removed HSI, MX20, Rate of turn and saved gyro. Installed the following: Aspen C3 System with EFD1000C3 Pro PFD IAW STC SA10822SC. Interfaced with IFD550, GMA 347 and FCS 810 autopilot. Replaced GTX330 transponder with AXP322 transponder IAW STC SA00352BO. Replaced GNX480 GPS with new Avidyne IFD550 connected to existing GA35 WAAS antenna IAW STC SA00343BO. Installed 2 TSO'd Power USB	
	August-21 charging hub.	New avionics
	CURRENT ANNUAL: ELT Inspected IAW 91.207(d). Batteries expire August 2026. CW AD 2000-01-16 Figure 1(b) inspection. (Note: exhaust system new last year). Part(b) due each 50 hrs. CW AD 2016-17-08 Elevator Trim Tab Control inspection due each 110 hours. CW AD 2017-06-03 Combustion Heater Inspection IAW Par(g)(1-4). Replaced vacuum relief air filters. Replaced Engine Intake Air filters. Jacked aircraft. Lubed gear, cycled and inspected. Ops check good. Tightened oil pressure line RH cockpit sidewall. Degreased flap bays. Engines run up	
	June-23 ops check good.	
Left Engine Log	RAM OH'd engine to new parts limits at 3841.3 recording	OH'd to new limits
	June-10 meter time.	
	Installed new alternator out sensor and reset throttle/mixture	
	March-13 control arms and fuel flow per spec.	
	Removed and installed new coupling nut and coupling sleeve	
	March-14 on turbo bypass overboard drain line	

June-14 Reinstalled OH'd starter after OH at Aircraft Accessories
 Replaced pneumatic pump drive seal and base gasket. Installed
 August-14 new fuel line from pump to metering unit
 October-14 Replaced landing gear hydraulic pump

ENGINE INSTALLED ON N55WS AT 2444.1 TT and 494.1 SMOH.
 Installed with new mounts, new flexible fluid carrying hoses.
 Replaced turbo charger with customer supplied unit. Removed
 engine right magneto, inspected, reset gap on points and
 timed internally before reinstall. Resecured all intake tube
 mounting clamps due to leaking and no leaks noted after.

April-16 Replaced outboard exhaust coupling with new. Installed on N55WS
 Removed magnetos for 500 hr inspection. Installed new
 Tempest URHB325 Spark plugs. Removed cleaned and
 May-21 reinstalled fuel injector nozzles.

CURRENT ANNUAL: Checked mag timing (16 degree prop
 angle, 24 degrees BTC). Compressions: 77,72,72,68,74,76.
 Borescope inspection of cylinders revealed no anomalies.
 Drained engine oil and found no contaminants. Installed new
 oil filter and serviced with Aeroshell W100 Plus. Oil filter cut,

June-23 no contaminants noted. Engine run up ops check good.

Right Engine Log

March-92 Engine rebuilt by TCM at factory

Engine had a major overhaul on this date. Cylinders overhauled
 with all new parts. Reassembled with new main and rod
 bearings, rod bolts and nuts, crankshaft and camshaft gear
 bolts, all internal hardware, all locking tabs and washers,
 magneto drive cushions, spark plugs, ignition harness, oil
 pressure relief spring, lifters, gaskets and seals. Installed new
 air filter, lord mounts, and engine mounting bolts. The
 following were sent out for OH: magnetos, turbo controller,
 alternator, fuel system. Installed serviceable oil pump housing.

March-12 All ADs complied with. Installed serviceable starter.

Removed and replaced #1 and #3 cylinders due to low
 August-15 compression and cracks in the head.

April-16 Replaced all push rod tube seals on #3 cylinder

Removed and reinstalled cylinder #3 after OH by Gibson

November-17 Aviation.

Removed and reinstalled mags after 500 hour inspection.
 Installed OHC Alternator Drive Coupling. Installed new RAM
 fuel injector nozzles. Installed new Tempest URHB325 spark

May-21 plugs

Corrected misc induction leaks. Installed new valve cover

June-22 gasket

CURRENT ANNUAL: Checked mag timing (16 degree prop
 angle, 24 degrees BTC). Compressions: 77,72,74,78,35,73.
 Borescope inspection of cylinders revealed burnt exhaust valve
 on #5 cylinder. Removed #5 cylinder and installed OHC Cylinder
 Assembly PN 654654 SN 116453 from Gibson Aviation. Drained
 engine oil and found no contaminants. Installed new oil filter
 and serviced with Aeroshell W100 Plus. Oil filter cut, no

June-23 contaminants noted. Engine run up ops check good. No leaks.