

Aircraft Associates
Notable Aircraft Maintenance History
8/25/25

Registration	Make	Model							
N8621Y	Piper	1968 PA30C Twin Comanche							
Serial No.	Engine	Paint	Interior	Tach / AFTT	MGTO	Empty Weight	Useful Load	CG	
30-1762	IO-320-B1A	Alumigrip White w/Blue and Red accents (1993)	Dark Navy quilted leatherette seats, Dark Navy/Grey side panels and Grey carpet (1998)			3600	2411	1189	83.33
Log	Date Logged	Item(s) Addressed	Critical Item						
Airframe Log 1	December-68	STANDARD airworthiness issued							
	January-69	Installed Narco radios	Maintained in Carolinas						
	January-71	Various AD compliance and Piper kits installed		316					
	May-73	Installed Narco ELT		825					
	December-76	Both engines OH'd		1950					
		Replaced windshield and side windows with heavy one-piece windshield and heavy side windows by Wayne Airframe Inc							
	February-77	IAW STC SA3070WE	New windshield and windows. Maintained in Wichita, KS	1954					
	July-78	CW AD 77-13-21 and SL 782B		2146					
	October-79	Installed OH'd prop on LE		2495					
		Installed new gear transmission bearings, jackscrew and							
Airframe Log 2	June-80	jackscrew nut assembly and new jackscrew worm gears		2601					
	October-83	Replaced LH wingtip, inspected and repaired Janitrol heater		2997					
	August-85	New gear motor installed		3138					
		Replaced both voltage regulators and overvoltage relay. Replaced RH alternator with Electro Systems 238. Replaced flap up limit switch. Gear transmission and motor assembly							
	August-89	OH'd.	Maintained in Savannah, GA	3413					
	October-90	OH'd LH prop by Southeastern Propeller. Replaced loose rivets on RH flap trailing edge.		3565					
		Stop drilled 2 cracks in RH gear door and RH flap. Replaced							
	November-91	prop governor oil lines on both engines. Replaced LH gear door.		3675					
		Replaced NLG trunnion housing assembly and cylinder assembly with good used parts. Replaced top and lower strut seals. Replaced LH trunnion bolt. Installed 2 patches on RH							
	February-92	cowling bottom half.		3705					
Airframe Log 3	September-87	Replaced OB LH wheel half		3195					
	May-92	Installed King KX155 NavCom, KI 204 in place of Narco	Avionics upgrade	3195					
		CW AD 77-13-21 and SL 782B. RH Aux sending unit replaced.							
	February-93	Replaced all fuel cell hatch cover gaskets.		3756					
		Aileron nose rib reinforcement kit confirmed to be installed as							
	October-93	described in SL 850. Believed to be 760-893.		3770					
		Stripped, etched, primed and painted with Alumigrip							
		Polyurethane enamel in the following colors: White G8003,							
	November-93	Blue H5161, and Red G7008. Dan Smith Aircraft	New paint	3770					
	January-97	LH and RH engines OH'd by Custom Airmotive	Both engines OH'd	3958					
Airframe Log 4		Installed KA 134 Audio panel, GCA 400 intercom in place of							
	November-97	existing.	Avionics upgrade						
		R&R flap position transmitter and upper and lower wing root							
	July-98	gap seals		4040					
		Gear removed, disassembled, cleaned, repaired, repainted and replaced. Installed new NLG canvas cover. Replaced fuel bowl gaskets, vertical card compass. Installed Johnson wing tips IAW							
		STC SA3205NM, K2U Luggage Door Strut IAW STC SA308CA, K2U Wing Fillets IAW STC SA370CH, K2U Rudder Fin Cap IAW							
		STC SA1662GL, K2U Wing Root Fairings IAW STC SA516GL, K2U Gear Lobe Fairings IAW STC SA1712GL, Davtron M903							
		OAT Voltage Gauge. Repainted instrument panel. Installed new aircraft interior including carpet, seat covers/foam, side walls, bulkhead panels by Custom Interiors, Rockmount GA.							
	November-98	Props painted. Cowl nose bowls repainted and structurally repaired. Cowl flaps repaired. Exhaust hangers repaired.	Major gear refurbishment, various repairs and various airframe mods installed along with new interior	4083					
		Replaced LH lexan landing light lens, LH brake master cylinder assembly rebuilt. Replaced all engine cowl and nose fasteners with stainless. Replaced RH OB fuel cell gaskets. Replaced both aileron push rod end bearings. Replaced all flap track rollers with new. Installed K2U Aileron and Flap Gap seals IAW							
Airframe Log 5	November-00	STC SA516GL. Repaired cracked firewall on LH engine with stainless steel doubler patch.	Airframe mods and various maintenance repairs	4310					
		Repaired both fuel strainer bowls. Installed NSD 360 indicator in #1 position in place of the DG unit with Nav receiver mounted in the nose area KN-77. Panel mounted the Insight							
	June-00	instrument with antenna mounted to rear area.	Avionics upgrade	4380					
		Rebuilt brake calipers. Cleaned and corrosion treated both							
	May-01	wheel wells and adjacent wing cavities with ACM 50.		4445					
		NO LOG ENTRIES BETWEEN 2008 TO THIS DATE. No airframe/annual entries until 2019 when altimeter was							
	June-15	repaired and extensive inspection was done.		4669					

	Major entry, see log for full details. 100/500 hour cleaning and inspection of landing gear transmission and installed new retract spring, landing gear conduit cables. Checked all struts and installed new seal. Installed new bolts in torque link assemblies and spring swivel attachments on side brace links and studs. Reassembled brakes with new hardware and installed new Timken bearings/races in RH MLG wheel. Installed new tires on all three wheels. CW AD 77-13-21 Par A. Performed 500 inspection of flap jackscrew and motor assembly. Installed new IB flap assist springs. R&R ailerons with new hinge bearings and actuator rod ends/bearings. Installed new bolts in rudder hinges and on stabilator after checking torque tube. OH'd LH and RH rear exhaust stacks. New main fuel caps. New props on both engines. Installed new heater fuel line shutoff valve. Repaired altimeter, OH'd VSI, and repaired EGT. Installed new baggage door strut and seal. Installed new Rosen survivors IAW STC SA5983NM. Replaced starter with Skytec. Insted JPI EDM 790CF with Fuel Flow IAW STCs. Installed dual Garmin G5s in place of existing AI/HSI and		
	November-19 removed vacuum system.		4677
	April-20 Replaced #3 cyl LH engine exhaust stack with OH'd stack.		4685
	Replaced pilot yoke coil cord and replaced ELT with new Artex ELT 345. Replaced encoding altimeter. Installed Garmin GNS 530W in place of #1 navcom. Installed GTX 330ES and		
	January-21 interfaced to GNS530W.		4684
	ELT battery 2027. Control service angles and cable tensions		
	March-23 checked		4808
	Replaced alternator bracket and alternator on RH engine with		
	October-23 OH'd unit. Replaced LH alternator bracket with new.		4839
	Replaced both Brackett air filter elements. CW heater fuel regulator shutoff valve inspection. Replaced NLG shimmy		
	July-24 damper hardware.		4839
	Replaced RH and LH brake caliper pressure plates with new.		
	August-24 Replaced LH and RH brake hoses.		4839
	Replaced LH and RH fuel selector valve bowl gaskets with new.		
	September-24 Resealed both brake master cylinder seals.		4839
	Installed new fire extinguisher. Replaced engine nose cowl hinges on LH and RH engines. Rebuilt JPI EDM 790. Replaced		
	October-24 instrument panel shock mounts.		4839
	November-24 CURRENT ANNUAL: ELT tested. Battery due 7/2027		4839.91
		SMOH	
	LH engine OH'd by Custom Airmotive Inc. to manufacturer's specifications. STC SE8193SW incorporated during this OH to oversize the cylinder bores and fitting with new pistons. Fuel systema nd magnetos were also OH'd. Spark plugs, fuel pump, oil filter and ignition harness are new.		0
LH Engine Log	December-96 Engine reinstalled on N8621Y in LH position. All new fluid lines/hoses installed, all baffles resealed. Starter, alternator		
	January-97 and prop governor OH'd. New P leads installed.		1.1
	R&R OB exhaust header stack assembly. Cracking found at header flange. Repaired by Aerospace Welding. New washers,		
	April-99 fasteners and pipe hanger.		191
	Alternator R&R cracked bracket weld repaired. Prestolite ALX		
	August-99 8421 by Aero Tech installed.		250
	February-00 R&R injector lines #1, 2, and 4 due to cracks found at fittings.		349
	Cylinders sent to Graham Aircraft Engines for reworking due to glazed walls noted. See entry for new parts installed. Cylinders reinstalled on engine and engine serviced with 8 qts Mineral		
	November-19 oil. Test run.		714.1
	June-21 Replaced prop governor mating gasket with new	4701	
	Replaced all engine flexible fluid line hoses and hardware with new kit. Replaced RH magneto with OH'd unit. LH CHT		
	July-24 placarded INOP due to probe missing.		
	October-24 Replaced OB valve train with new		
	CURRENT ANNUAL: Serviced with 8 qts 20W50 and Champion oil filter. No contamination found in old filter. Compressions:		
	November-24 76,77,78,78		882.3
	RH engine OH'd by Custom Airmotive Inc. to manufacturer's specifications. STC SE8193SW incorporated during this OH to oversize the cylinder bores and fitting with new pistons. Fuel systema nd magnetos were also OH'd. Spark plugs, fuel pump, oil filter and ignition harness are new.		1
RH Engine Log	December-96 Engine reinstalled on N8621Y in RH position. All new fluid lines/hoses installed, all baffles resealed. Alternator and prop		
	January-97 governor OH'd. New P leads installed.		1
	R&R exhaust header for welding repair at ATL Aerospace		
	November-98 Welding. R&R aux vacuum pump with new SigmaTek		12
	May-01 Baffle crack repaired. R&R oil temp probe with new.		487
	Disassembled, cleaned and inspected crankcase, oil sump and all internal parts. Rejected: all main and rod bearings, rod nuts and bolts, (1) vernatherm, (1) crank gear bolt, (1) cam, and (8) lifters. Installed: crankcase, crankshaft, camshaft, (8) new lifters, (8) hydraulic units (4) cylinders. Assembled case halves and sump w/new main bearings, rod bearings, rod bolts and nuts, nose seal, gaskets, rubber hoses, and seals. Vac pump		
	September-19 and oil cooler not installed by Graham.	Engine tear down and repair	713.8
	Removed and replaced fuel injection line clamps and hardware. Removed and replaced firewall FWD flexible hoses		
	July-24 with new		890
	CURRENT ANNUAL: Serviced with 8 qts 20W50 and Champion oil filter. No contamination found in old filter. Compressions:		
	November-24 76,77,75,77.		890
		SMOH	
LH Propeller Log	November-19 Installed prop on LH engine at tach 4672.9. Prop TSNEW is 0		0
	November-24 CURRENT ANNUAL: Prop inspected		168.2

RH Propeller Log November-19 Installed prop on LH engine at tach 4677.8. Prop TSNEW is 0
November-24 CURRENT ANNUAL: Prop inspected

0
169.5