

DATE

July 10 2011 Previous log books are missing, estate of deceased repair facility unable to find logs. Based on my ownership of this aircraft I estimate the total time to be 8800 hours.

Bruce Werba Holy Cross Alaska

April 4 2013 Tach time 0 TTAC 8800

Aircraft was disassembled and inspected. The following repairs and modifications were accomplished. Engine mount repaired and powder coated by FA Dodge, carb air box repaired and painted by FA Dodge. Replaced Piper airframe # 18-214 with a new Airframes Alaska #18027 airframe. This airframe equipped with side cargo door, aft upper cargo compartment door, extended baggage, 3rd seat and X braced top deck, 3/8th tube upper fabric formers, weld on float fittings metal belly tabs, belly pod tabs and pilot seat tabs on fuselage. New vertical and horizontal stabilizers, rudder, elevators, upper and lower door from Airframes Alaska installed. New 3X landing gear and Cleveland wheel and brake kit. Cleaned and reinstalled Atlee Dodge defroster and rear seat heater. Dakota brakes installed New interior panels, instrument panel, floor boards, all interior panels, seat frames, control and powder coated (Mock Rock) by Tri-Jet Industries. New lap and safety belts installed. New side windows, green house and windscreen installed. Complete engine cowling and supports, boot cowl, windscreen channel, prop spinner assembly are new Univair. New electrical components installed, including circuit breakers and switches, BC 400 Alternator, and LR3C-14 voltage regulator. Installed FA Dodge under seat battery tray, Hawker Energy battery master and starter solenoids mounted to seat frame. New electric turn coordinator, airspeed, altimeter, and magnetic compass. Avionics, new Icom IC M304 Marine VHF, Sigtronics intercom, bench tested and reinstalled KY 97 new antennas installed. Installed Air Gizmos 695 Panel Dock. Installed Nu-Light instrument lighting on Airspeed, altimeter and turn coordinator, Max dim switch assembly installed for avionics and instrument lights. Installed Led red/white interior light on left wing root panel. Installed aux in jack for intercom in left wing root, 12 volt aux power receptacle and Bose 015999 headset receptacle. All wiring installed as per original equipment and FAR 43.13-1B Chapter 11 Installed installed Kanad 406 AF-Compact ELT remote switch installed in right wing root panel. Installed overhauled 160 hp engine and Reiff Hot band engine preheater. Installed new McCauley 82" propeller. Wings disassembled and inspected replaced 2 front and one rear spar with new Dakota spars. Reassembly of airframe wings and control surfaces included all new wiring, hardware, pulley's and cables. Bead blasted, primed and/or painted all steel parts. Installed new Dakota ribs as required installed Dakota wing tips. Installed landing/taxi light assembly in right wing Whelan LED landing and taxi lights installed. Max Pulse wing light switch assembly installed. Installed Dakota 24 gallon wing tanks. installed Micro Dynamics Vortex Generators. Installed Xwinds STOL flap extensions. Aircraft reassembled in accordance with Piper assembly and rigging procedures. Aircraft covered through silver with Polyfiber process. Aircraft final painting utilized Dupont Imron Elite. White paint code LS026EF, Silver paint code 748848, blue paint code 748706. Airplane weighed, New Weight and Balance and Equipment List produced, AD's checked through April 3 see AD log.

continued

1816 5730 white 918743 silver 918355 blue

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The following STC's installed

SA02262AK	Weld on float fittings
SA02128AK	NORTHERN AIRFRAMES FUSELAGE
SA02234AK	DAKOTA CUB BRAKE MASTER CYLINDER
SA00415SE	CUB CRAFTERS FUEL SYSTEM
SA020007AK	ATLEE DODGE LONG STEP LEFT AND RIGHT
SA02189AK	LANDING GEAR SAFETY CABLE 3" EX
SA02152AK	3" EXTENDED LANDING GEAR
SA4621NM	3" EXTENDED GEAR HYDRA-SORB STRUT.
SA638AL	RUDDER MOUNT STROBE LIGHT BRACKET
SA02085AK	ATLEE DODGE FOLDING FRONT SEAT
SA02156AK	UNDER SEAT BATTERY RACK
SA02356AK-D	SAFARI SEAT REAR PASSENGER
SA02216AK	AK BUSH POD
SA01233SE	AK BUSH WHEEL TAIL WHEEL AND FORK ASSY
SA01015SE	AK BUSH WHEEL 31" TIRES
SA01343WI	B&C Alternator
STC SA02273AK	Performance Airmotive muffler
SA1008WE	POLY FIBER FABRIC COVERING
SA01988SE	ELECTRONICS INTERNATIONAL MVP 50 ENGINE MONITOR
SA00522SE	CUB CRAFTERS 160 HP ENGINE INSTALLATION

WING STC'S

SA02171AK	DAKOTA EXTEND RANGE FUEL TANKS
SA98CH	DAKOTA WING RIBS & WING TIPS
SA02066AK	ATLEE DODGE TIE DOWN BRACKETS
SA0206AK	FRONT SPAR REINFORCING BRACKETS
SA00530SE	Micro Dynamics Vortex generators.
SA490AL	Xwinds Stol flap extensions.

Kelly Vrem A&P [REDACTED] *IA*

[REDACTED] *IA*

4/4/13 Tach Time 0 Total time aircraft 8800

I certify this airplane was inspected in accordance with an Annual Inspection and was determined to be airworthy.

Kelly Vrem JA [REDACTED]

[REDACTED] *A&P* [REDACTED] *IA*

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5/10/14 TTAF 8078.3 Tach Time 78.4

Inspected aircraft for general condition. Serviced airframe. AD's checked through 4/30/14. See AD log.

Kelly Vrem A&P [REDACTED]

5/10/14 TTAF 8078.3 Tach Time 78.4

I certify this aircraft has been inspected in accordance with an annual inspection as per CFR 43 Appendix D and was determined to be in an airworthy condition.

Kelly Vrem A&P [REDACTED] IA

6/24/15 Tach time 177.3 TT EST 8977.3

Washed aircraft and inspected for general condition. Adjusted throttle assembly preload. Installed ABW 35" tires and 10" wheels IAW STC 010155SE, see weight and balance. Installed new ABI-13889 1.25 bearings and ABI-153-00300 grease seals and 164-06700AB 3 hole brake discs. Tail Wheel assembly IRAN performed by ABI see attached W/O. Lubed control hinge points. Installed new air cleaner element. Inspected gascolator for contamination. Tested ELT IAW 91.207.1-4. Battery due 7-2020. AD's checked through Bi-Weekly 2015-12.

Kelly Vrem A&P [REDACTED]

6/24/15 Tach time 177.3 TT EST 8977.3

I certify that this aircraft has been inspected in accordance with an annual inspection as per CFR 43 Appendix D and was determined to be in an airworthy condition.

Kelly Vrem A&P [REDACTED] IA

N109T

7/11/16 Tach 288 TTAF 9088 TTE 2292 SMOH 288 TTP 288 ELT 7/2020

Installed Alpha Omega Suspension System per approval STC SA02214AK, Ref 337 dated 7/11/16. Patched holes in tail feathers. Replaced right Aveo flash nav/strobe light. Lubricated controls. ELT inspected Per FAR 91.207 a, b, c and d.

I certify that this aircraft has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition.

Andrew Weaver

MLJ Aircraft Services [REDACTED]

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DA

N109T

9/20/16 Tach 387 TTAF 9187 TTE 2391 SMOH 387 ELT 7/20

AD60-10-08 Fuel selector detent check **Due Tach 487 9/17**

AD84-26-02 Air Filter **Due on condition or Tach 677**

AD93-05-06 ACS Ignition **Due TTAF 10800**

ELT inspected Per FAR 91.207 a, b, c and d for 121.5.

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and has been found to be in an airworthy condition.

Michael Petrie

AP [REDACTED]

MLJ Aircraft Services

N109T

11/22/16 Tach 404

Repaired fabric left stabilizer and around baggage door painted to match

Michael Petrie

[REDACTED]

MLJ Aircraft Services

N109T

6/28/17 Tach 408 TTAF 9208 TTE 2412 SMOH 408 ELT 7/20

AD60-10-08 Fuel selector detent check **Due Tach 508 6/18**

AD84-26-02 Paper filter replaced this date **Due Tach 908 or on condition**

AD93-05-06 ACS ignition switch **Due TTAF 10800**

Replaced right quick drain, adjusted throttle tension, cleaned fuel transducer and lubricated controls

ELT inspected Per FAR 91.207 a, b, c and d.

I certify that this aircraft has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition.

Michael Petrie

AP [REDACTED] IA

MLJ Aircraft Services

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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			N109T 8/2/18 Tach 511 TTAF 9311 TTE 2515 SMOH 511 ELT 7/20 AD60-10-08 Fuel selector detent check Due Tach 611 8/19 AD84-26-02 Paper Filter Due on condition or Tach 677 AD93-05-06 ACS ignition Due TTAF 10800 Repaired left wing by replacing front spar, several ribs and leading edge skins, repaired right wing by replacing rear spar, several ribs and leading edge skins, replaced vertical, elevators, right stabilizer and rudder, covered with Stewarts Systems, replaced windshield, nose bowl, right cowl door and spinner replaced fuel selector with serviceable, replaced fuel sight gauges, replaced right forward fuel line, replaced right flap cable and flap cable handle to splitter, fuel tanks repaired F, Atlee Dodge WO95686, Engine mount repaired F. Atlee Dodge WO 95791, replaced ELT switch ELT inspected Per FAR 91.207 a, b, c and d. I certify that this aircraft has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition. Michael Petrie AP [REDACTED] A MLJ Aircraft Services [REDACTED]
9-20-18	606.3		Inspected BCT per FAR 91.207 (D) - no defects noted. Lubricated controls & hinge points, All AD's c/w to this date. I certify that this Aircraft has been Inspected IAW a 100hr. Inspection and was determined to be in Airworthy condition at this time. [REDACTED] [REDACTED]
10-7-19	744.9		Inspected BCT per FAR 91.207 (D) - no defects noted. Lubricated controls, hinge points, All AD's c/w to this date I certify that this Aircraft has been Inspected IAW a 100hr. Inspection and was determined to be in Airworthy condition at this time. [REDACTED] [REDACTED]

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			N109T 3/9/21 Tach 792 TTAF 9592 TTE 2796 SMOH 792 ELT 3/27 AD84-26-02 Paper filter Due on condition or Tach 1145 AD93-05-06 ACS ignition Due TTAF 10800 Recovered fuselage and tail surfaces due to paint failure. Assembled aircraft rigged and test flown. ELT Battery replaced and tested Merrill Field Instruments WO3653. Replaced several VG's tail and wings and lubricated controls. ELT inspected Per FAR 91.207 a, b, c and d. I certify that this aircraft has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition. Michael Petrie AP [REDACTED] MLJ Aircraft Services [REDACTED]

That Old Shop, Birchwood Airport Chugiak, Alaska
 9/2/2022 N109T PA-18 S/N 18- 2223
 Tach: 792.9 TTAF: 9592.9 ELT battery due: 3/27
 Cleaned and inspected complete airframe and lubricated all pulleys. ELT function check IAW 91.207, found to function normal. Checked ADs through current date.
 I certify that I have inspected this airframe IAW an annual inspection and in my opinion found it to be airworthy at this time.

Adam Haataja

A&P/IA [REDACTED]

That Old Shop, LLC Birchwood Airport Chugiak, Alaska
 8/28/2023 N109T Piper PA-18 S/N 18-2223
 Tach: 793.57 TTAF: 9593.57 **ELT battery due: 5/27**
 Replaced inop tail beacon with Whelen Orion 550. Replaced fire extinguisher with new Halotron extinguisher. Installed Brackett air filter assembly BA-112 IAW STC# SA71GL and filled out FAA form 337. Inspected previously installed Micro VGs; installation OK, filled out FAA form 337. Inspected previously installed F. Atlee Dodge 3" extended gear' installation OK, filled out FAA form 337. Acquired Field Approval for Dakota Cub square wingtips, see FAA form 337 and approved data. Cleaned and inspected complete airframe and lubricated all pulleys, etc. ELT function check IAW 91.207, found to function normal. Checked ADs through current date, see AD list. AD2015-08-04 PCW. AD68-05-01 C/W by inspection. AD60-10-08 C/W by inspection. I certify that I have inspected this airframe IAW an annual inspection and in my opinion found it to be airworthy at this time.

Adam Haataja

A&P/IA [REDACTED]

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Lycoming O-320-B2B L-19762-39A

22 March 2013 Total time 2004.43 hours TSMOH 00.00 Hours
Engine overhauled this date. The engine was disassembled all parts were cleaned and inspected. All steel parts were magnafluxed with no indications observed. Lifter bodies and camshaft were recertified by Aircraft Specialties Services, see yellow tags for details. The engine was assembled using new standard main and rod bearings, crankshaft gear bolt, rod bolts and nuts, ECI oil pump body, vernatherm, exhaust valves, springs, pistons, rings, piston pins, gaskets, seals and hoses. Magnetos were overhauled and installed at 25° BTC. Carburetor was overhauled using all parts in a CF quick kit. Installed new baffles, harness, Reiff preheat system, mount, B&C alternator, oil cooler, cooler hoses, and new exhaust system. All work was done IAW Lycoming Direct Drive Overhaul manual and subsequent Service Bulletins. AD 07-10-06R1 PCW, 96-09-10 PCW, 96-23-03 pump not installed, 04-05-24 replaced bolt and retainer, 04-10-14C1 PCW. This engine shall installed on the airframe and test ran and flight tested IAW SI 1427B before engine is returned to service.

John A. Biornstad A&P

22 March 2013 Total time 2004.43 hours TSMOH 00.00 Hours
Engine overhauled this date. The engine was disassembled all parts were cleaned and inspected. All steel parts were magnafluxed with no indications observed. Lifter bodies and camshaft were recertified by Aircraft Specialties Services, see yellow tags for details. The engine was assembled using new standard main and rod bearings, crankshaft gear bolt, rod bolts and nuts, ECI oil pump body, vernatherm, exhaust valves, springs, pistons, rings, piston pins, gaskets, seals and hoses. Magnetos were overhauled and installed at 25° BTC. Carburetor was overhauled using all parts in a CF quick kit. Installed new baffles, harness, Reiff preheat system, mount, B&C alternator, oil cooler, cooler hoses, and new exhaust system. All work was done IAW Lycoming Direct Drive Overhaul manual and subsequent Service Bulletins. AD 07-10-06R1 PCW, 96-09-10 PCW, 96-23-03 pump not installed, 04-05-24 replaced bolt and retainer, 04-10-14C1 PCW. This engine shall be installed on the airframe and test run and flight tested IAW SI 1427B before engine is returned to service.

John A. Biornstad A&P

April 4 2013 TT ENG 2004.4 TSMOH .6
Installed in Piper PA 18 N109T. Engine test run in accordance with Lycoming SI 1427B.
This engine is approved to return to Service.
Kelly Vrem A&P [REDACTED] IA

5/10/14 TTENG 2082.7 TSMOH 78.4
Inspected engine for condition. Inspected magnetos checked timing. Removed
inspected, cleaned tested and reinstalled spark plugs. Drained oil, inspected oil filter
element no metal contamination found, installed new Tempest 108-2 filter serviced with
6qts Phillips 20-50.

Kelly Vrem A&P [REDACTED] IA

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That Old Shop, Birchwood Airport Chugiak, Alaska 9/2/2022 N109T Lycoming S/N TSO: 793 Mags TSO: 304 Tach: 792.9 TTE: 2797 Compression test 1)78/80 2)77/80 3)78/80 4)79/80. Cleaned, gapped, tested, rotated spark plugs and reinstalled with new copper gaskets. Checked oil screen, no contaminants found. Serviced with 6 quarts Phillips X/C 20W50. Checked mags timing; next 500-hr inspection due at tach 1011, Checked ADs through current date. I certify that I have inspected this engine IAW an annual inspection and in my opinion found it to be airworthy at this time. Adam Haataja A&P/IA				
That Old Shop, LLC Birchwood Airport Chugiak, Alaska 8/28/2023 N109T Lycoming O-320-B2B S/N L-19762-39A TSO: 793.67 Mags TSO: 304.67 Tach: 793.57 TTE: 2797.67 Compression test 1)78/80 2)79/80 3)79/80 4)78/80. Cleaned, gapped, tested, rotated spark plugs and reinstalled with new copper gaskets. Checked oil screen, no contaminants found. Serviced with 4 quarts Phillips X/C 20W50, 2 quarts Phillips Victory. Checked mags' timing; next 500-hr inspection due at tach 1011, Checked ADs through current date, see AD list. AD2009-26-12 N/A. AD2004-10-14C N/A, no prop strike. AD98-02-08 N/A. AD63-23-02 N/A. I certify that I have inspected this engine IAW an annual inspection and in my opinion found it to be airworthy at this time. Adam Haataja A&P/IA				
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PROPELLER ASSEMBLY LOG

PAGE NUMBER _____

Date	Total Time	Time Since Overhaul	Aircraft Model & Registration Number	Maintenance Service History	Signature & Certificate Number
				Chugiak, Alaska	
	9/2/2022	N109T	Model: 1A175 GM8241	S/N: AKH23018 Tach: 792.9	
	That Old Shop, Birchwood Airport				
	Checked ADs through current date. I certify that I have inspected this propeller IAW an annual inspection and in my opinion found it to be airworthy at this time.				
	[Redacted Signature]				
	Adam Haataja		A&P/IA	[Redacted]	
				Chugiak, Alaska	
	8/28/2023	N109T	McCauley 1A175 GM8241	S/N: AKH23018 Tach: 793.57 TSN: 282.57	
	That Old Shop, LLC Birchwood Airport				
	Checked ADs through current date. I certify that I have inspected this propeller IAW an annual inspection and in my opinion found it to be airworthy at this time.				
	[Redacted Signature]				
	Adam Haataja		A&P/IA	[Redacted]	