

N13839

1970 Piper Turbo Aztec D

Airframe Logbook

#2 of 2

1991 - 2025

MSN: 27-4480



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

N13839

**AIRFRAME
MAINTENANCE
RECORDS**

**AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM**

adlog
THE

TM



AIRFRAME MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N13839

Aircraft Mfg. PIPER Model PA23-250 Serial No. 27-4480

Engine Mfg. Lycoming Model T70-540-C14 Serial No. 7-1532-61 Left
Engine Mfg. Lycoming Model T70-540-C14 Serial No. 7-1533-61 Right

Left Propeller Mfg. HARTZELL Model HC-E3YR-2AFT Serial No. DJ12273B

Hub Design No. FC 7663-2R Hub Serial No. J71018
Blade Design No. - Blade Serial No's J71018, J71011, J71010

Right Propeller Mfg. HARTZELL Model HC-E3YR-2AFT Serial No. DJ12274B
Hub Design No. FC 7663-2R Hub Serial No. J71013
Blade Design No. - Blade Serial No's J71015, J71017

(All applicable information must be filled in)



AERO TECH PUBLICATIONS INC.
P.O. BOX 6005/FREEHOLD, N.J. 07728
(908) 462-5330

DATE	TOTAL TIME IN SERVICE	TACH OR METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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TOTAL brought forward from previous page

4-25-91			INSTALL A/C NEW KING KMA 24
			5/32879, 15155 5/7282, KING
			KI209 5/57132, 1564 5/22549,
			K286 5/31394, 15428 5/45593
			KT76A 5/83490. REPLACE EXHAUST
			WITH APPROX 8/428-2003 5/15832
			(USED), REPLACED DEFECTIVE TURN
			COORDINATOR WITH NEW EX. 8/11
			1394T100-72 5/9012-100 FOR
			DETAILS SEE 337 WT + BAL EQ
			LIST.

			NEW F.W.	3370.23	LB
			NEW CG	90.04	
			NEW MOMENT	303442.48	
			NEW U.L.	1829.77	LB.

PRAGG AVIATION ELECTRONICS, INC.
 Craig Airport
 JACKSONVILLE, FLORIDA
 FAA Approved Repair Station #2027

TPX. MOD. 51264 S/N 83490
 PERFORM BI-ANNUAL TRANSPONDER CHECK AS
 REQUIRED BY FAR 91-172. UNIT COMPLYS
 WITH FAR 43 APPENDIX F.
 PRAGG AVIATION ELECTRONICS JAX. FL FAA 2027
 DATE 9-25-91

SUB-TOTAL this page

TOTAL - Carry forward to next page

MAINTENANCE RELEASE

COMPONENT ART - SERIAL NO. 912 388

PART / MODEL NO: 5934PA -1

- Overhaul Repair Functional Test New

The Aircraft Appliance identified above was overhauled, repaired, functional tested or is new as per block above in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details of this component are on file at this agency under

Work Order # 2301 Date 4-16-91

Authorized Signature [Signature]

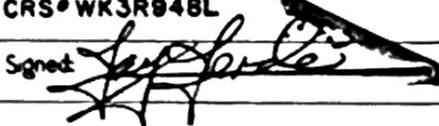
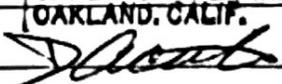
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
8-5-91			INSTALL IN A/C USED 3M STORMSOPE SYSTEM Model WX10-A - PROS S/N ROP 05501157 IND. S/N ROP 05501157 ANT S/N 1939. For details SEE WT & BAL 337.
			NEW E.W. 3379.93 LB
			NEW MOM 305078.33
			NEW CG 90.27
			NEW U.L 1820.07 LB
			FRAGG AVIATION ELECTRONICS, INC. Craig Airport JACKSONVILLE, FLORIDA FAA Approved Repair Station #2027
9/9/91	2038.6		ACFT TT. Installed MET-CO-AIRC INTERNAL 24 GAL. 4K FUEL TANKS ON EACH WING TIP PLAW STC 1480 WC, DRAWING # 11055, SD 1018 & SD 1025. INSERTED FLIGHT MANUAL Supplement, Revised PERMANENT LIST, Revised WT & Balance DATA. See FAA Form 337 this DATE 9/9/91 NEW E.W 3404.93 LB NEW MOM. 307778.33 NEW CG. 90.45 " NEW U.L 1795.07 LB
			Ronald B. Cameron AAS 61358855JA

2038.6

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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
TOTAL brought forward from previous page			
4/2/92	TT 2090.0	1E TACH 2101.4, RE 2088.9	<p>CLW 100 Hour/ANNUAL INSPECTION PER PIPER INSPECTION REPORT #230205. INSPECTED & Lubricated Bearings, Replaced vacuum Regulator FILTERS, Hyd FILTER, Serviced Hydraulic & Brake Reservoir, Replaced O² Filler port, serviced O², Replaced Landing & Taxi Light bulbs, clw landing gear retract Test. ELT BATTERY DUE 5/93. AD's checked thru 92-07 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/ALW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION <i>David Rose</i> MP31388855JA (SEE AD LISTING IN BACK of Log Book)</p>
7-1-93	T.T. 2147.0 Carr TT 2143.3	TACH 2154.7 RE TACH 2141.6	<p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN insp I/ALW AN ANNUAL insp & WAS DETERMINED to be in an AIRWORTHY condition. NEW FLT/BAT. INSTALLED DUE Repl. @ 1-95 <i>David Rose 141TH080</i></p>
10/21/94	2144.2		<p>ALTITUDE/STATIC AND ALTITUDE REPORTING EQUIPMENT SYSTEMS HAVE BEEN TESTED AND INSPECTED PER APPENDICES E AND F OF PART 43, AS REQUIRED BY FAR 91.411 CALIBRATED TO <u>30,000'</u> DATE <u>10/21/94</u> SIGNED _____ BAY AVIONICS, FAA CRS #WK3R948L HANGAR 3, OAKLAND INT'L AIRPORT OAKLAND, CALIFORNIA 94614</p> <p>TRANSOMENUSI HAVE BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43 I.A.W. FAR 91.413 DATE <u>10/21/94</u> W.O. # <u>64380</u> SIGNED <u>[Signature]</u> BAY AVIONICS, FAA CRS #WK3R948L HANGAR 3, OAKLAND INT'L AIRPORT OAKLAND, CALIFORNIA 94614</p>

SUB-TOTAL this page
2144.2 TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
			<p>Oct 25, 1994 Piper PA23-250 John G. Deaton</p> <p>The existing 52 D54 Directional Gyro, KI-209 VOR/ ILS Indicator, KR-86 ADF Receiver, and KA-42B ADF Antenna were removed from this aircraft.</p> <p>A Bendix King KCS-55A Compass System with KG-102A Gyro, KI-525A HSI Indicator, KA-51B Slaving Accessory, and KMT-112 Flux Valve, a KR-87 ADF Receiver, KA44B ADF Antenna, KI-229 RMI Indicator, KN-72 VOR Converter, KA-57 Autopilot Adapter, ILMorrow 428-0014 Altitude Alert Indicator, Comant CI 401-3KIC GPS Antenna, KA-33 Cooling Fan, and a Northern Airborne Technology RS08 switching relay and a Ground Clearance / Emergency Radio Master were installed in this aircraft.</p> <p>This installation was conducted in accordance with Bendix/King Installation Manuals 006-00111-0005, 006-00184-0004, 006-00192-0002, 006-00142-0001, 006-01069-0003, Northern Airborne Technology RS08 Installation Manual Rev. 2.0, ILMorrow ALTL TRAK Installation Manual 560-4019A Rev 1 Comant Installation Instructions A010001 Rev A, A010028, and within the guidelines set forth by FAA AC 34.13-1A chapter 11 and AC43.13-2A chapters 2 and 3.</p> <p>Also reference Bay Avionics Inc. Work Order 63568 and Field Approved FAA form 337 dated 10-28-94.</p> <p>-----END-----</p>
			<p>FOR BAY AVIONICS CRS# WK3R948L</p> <p>Signed: </p>
			<p><i>Performed Compass swing</i></p>
10/25/94	2144.2		<p>N = +1 S = S WO: 63568</p> <p>030 = +1 210 = -0-</p> <p>060 = +1 240 = -0-</p> <p>E = +1 W = W </p> <p>120 = +1 300 = -0-</p> <p>150 = -0- 330 = +1</p>

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2144.2 TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
11-26-94	2117.9 TT 2144.9	L. ENG. 2156.6 R. ENG. 2142.6	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSP 1/A/W AN ANNUAL INSP & WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION — <i>David Rose IA 1819086</i>
11/25/94	correct		
11-25-94	2144.9	Left Engine 2156.3 Right Engine 2143.3	
6-12-96	2178.2	RT 2178.3 LT 2189.2	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSP 1/A/W AN ANNUAL INSP & WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION — <i>David Rose IA 1819086</i>
<p>I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.</p> <p>Altimeter tested to <u>25000</u> Ft. N <u>13839</u></p> <p>IAW FAR 43 App E on <u>23 OCT 06</u></p> <p>Signed <u>J. Shuffert</u> Date <u>23 OCT 06</u></p> <p>Northcoast Services c/o WR3R955L Time <u>2214.32</u></p>			<p>WHEEL AND BRAKE CONVERSION PERFORMED IN ACCORDANCE WITH PIPER SERVICE KIT NUMBER 74-180</p> <p>CONVERTED WHEEL TO NUMBER 551785</p> <p>CONVERTED TO BRAKE NUMBER 551701</p> <p>07-01-1997</p>
7/1/1997			N13809 REMOVED FROM FLIGHT STATUS JULY 01, 1997
7/1/1997	2210.4	2210.4	A/C Removed from service
11/24/98	2210.4	2210.4	November 24, 1998 Piper PA23-250 John G Deaton
		2199.5	Four fuel sending units replaced
			Left outboard sender serial # 1005 part # 33855-004
			left inboard sender serial # 1034 part # 7740-37
			right inboard sender serial # 1016 part # 7740-37
			right outboard sender serial # 1007 part # 33855-004
			Piper part # outboard 548-876 inboard 548-020
			fuel tank gaskets replaced during installation
			tank bladders inspected appear to be excellent
			fuel indicators (cockpit instrument panel) replaced as required
			with new senders Stewart Warner gauges part # 6246-00601
			part # 687-278 Gauges check and certified for level accuracy
			all within 5%
			<i>Paul A. Ryan</i> MP 554670617 IA

2213.8 SUB-TOTAL this page

2213.8 TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO OF PERSON PERFORMING WORK
	2213.8		TOTAL brought forward from previous page
11/1/07	2213.8	2213.8	A.D. 2003-09-13, 06-23-03 Flap Tangle Tube. N/A till 2,500.0k
11/1/07	2213.8	2213.8	on 06/23/03 whichever is later. Walter Mangan Aircraft 1540369
01/18/2009	2233.64	2233.64	INSTALLED REIFF CORP. ENGINE HEATERS, FAA-PMA & PMA 258CE, IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS

DATE: 1-18-2007
 HR. MTR. 2233.64
 TOTAL TIME: 2233.64

FRITZ AVIATION SERVICES LLC
 465 AIRPORT ROAD
 FREDERICKSBURG, TX 78624

N13839

Removed Right M/L/G strut and replaced Bearing p/n 31780-00, O-Ring p/n 484-831, O-Ring p/n 484-734, Packing p/n 187-652, Washer p/n 31773-000 and Ring p/n 752-815. Reinstalled strut and serviced with 5606 hyd. oil and charged with nitrogen.

I certify that this Aircraft has been repaired and inspected in accordance with current FAA regulations and is approved for return to service for work performed.

Joel Fritz
 Joel Fritz, A&P 5725253961A

MAKE: Piper
 MODEL: PA23-250
 S/N: 27-4480
 REG NO: 13839
 WORK ORDER: 12695



Mangan Aircraft, Inc.
 501 Sky Ranch Drive
 Petaluma, CA 94954-3908
 Phone: (707) 765-1848

DATE: 4/8/2009
 AC TSN: 2265.06
 TACH: 2265.06

Airframe Entries

Annual inspection per FAR 91.409(a)(1), completed, using Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-L, Inspection Report, Items D. Thru. I. See Following corrected discrepancies. FAR91.207 (d) ELT Inspection and Testing complied IAW AC43-13-1B, Sec. 12-22, a. thru f New ELT battery installed, replacement date: Mar 2011 Test due again Mar. 2010. Battery complied with Manufacture capacitance check for annual certification. Removed battery, cleaned, inspected, charged for two hours, performed capacitance test, recharged to specifications, service and installed. Battery at 95%. Due again 4/2010. Vacuum central and relief filters replaced IAW Airborne Service Letter 59A. Fuel pump left Pn. 33959-3, Sn. 1104645 with electric motor Pn. 8850-5 removed. Fuel pump Right Pn. 33959-3, Sn. 0105851 with electric motor Pn. 8850-5 removed. Pumps repaired by CRS # YPGR715L Dated 3/5/2009 see work order # 17185 & 17186 respectively. Installed pumps in original locations. Operation and leak check satisfactory. Engine fuel flow Flo Scan transducers removed per customer request. New length TSO'd hoses installed. MLG struts completely serviced with hydraulic fluid and nitrogen per Piper maintenance manual chapter 2-53. Propeller control rod ends at governors adjusted to match up controls. De-ice boot left wing glued in place. Elevator trim and rudder trim barrels cleaned and lubricated per customer request. Hydraulic line for right main gear up cycle in cabin removed and replaced. Gear swung through 2X times normal operation. Leak check good. A.D. 80-18-10 Eff. 09/08/80 Piper Fuel Selector valve inspection complied with by visual and operational inspection as per Par (b), sub. sec. (1) and (2), amendment 39-3903. Fuel selectors both left and right sides removed, cleaned, inspected and re-sealed Leak and ops check good. Due again in 100 hours at 2976.9 hours. A.D. 88-21-07 R1 Fuel filler compartment vent lines complied with by regulating air pressure into lines. Lines not block and they hold pressure. Next inspection due on 4/2010. A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec fuel pump torque check inspection complied with IAW Lycoming Service Bulletin 529B. Next inspection due in 50 hrs. at 2315.06. A.D. 2003-14-03 Textron Lycoming / Crane / Lear Romec fuel pump torque check inspection complied with IAW Lycoming Service Bulletin 529B. Next inspection due in 50 hrs. at 2315.06. A.D. 2004-25-16 Eff. 01/05/2005 Prevent failure of the heater fuel regulator shutoff valve. Complied with by para. (1) & (2). Next due 4/2010 or 2365.0 which ever occurs first. A.D. 2007-28-09 Eff. 01/30/2008 Lt. Prop. Hartzell to prevent failure of the propeller blade from fatigue cracks in the blade shank radius is not applicable to model installed. A.D. 2007-28-09 Eff. 01/30/2008 Lt. Prop. Hartzell to prevent failure of the propeller blade from fatigue cracks in the blade shank radius is not applicable to this engine model. A.D. 2008-13-28 Eff. 07/17/2008 Lt. Prop. To prevent failure of the propeller hub is not applicable to this engine model. A.D. 2008-14-07 Eff. 08/14/2008 Complied with by para. (j), (k), and Lycoming Engine MSB No. 342E. No discrepancies noted. Next due 2365.0 or when clamps or lines disturbed. A.D. 2008-14-07 Eff. 08/14/2008

Complied with by para. (j), (k), and Lycoming Engine MSB No. 342E. No discrepancies noted. Next due 2365.0 or when clamps or lines disturbed. A.D. 2008-19-05 eff. 10/20/2008 Eng Rt. To prevent loss of engine power due to cracks at the head-to-barrel interface in the cylinder assemblies and possible engine failure caused by separation of a cylinder head not applicable this part number is not installed. Cylinders are not ECI. A.D. 2008-19-05 eff. 10/20/2008 Eng Rt. To prevent loss of engine power due to cracks at the head-to-barrel interface in the cylinder assemblies and possible engine failure caused by separation of a cylinder head not applicable this part number is not installed. Cylinders are not ECI. A.D. 2009-02-03 Eff. 02/09/2009 Not applicable due to date of overhaul of fuel injection servo, overhauled on 11/20/1990. A.D. 2009-02-03 Eff. 02/09/2009 Not applicable due to date of overhaul of fuel injection servo, overhauled on 11/20/1990. Exhaust clamp aft left engine safetied. Landing gear left main door sequencing valve adjusted to clear tire when gear is cycled. Ops check good. Chip detectors in oil drain valve removed for internal failure. Customer sent to overhaul. Chip detectors re-installed and safetied. Installed wiring for Gem 603 engine monitor for EGT CHT, and TIT. All probes installed. No gauges to install at this time. Aeron cable tension adjusted to 40 lbs. at 60 degrees F and safetied turnbuckles. Rudder cable tension adjusted to 33 lbs. at 60 degrees F and safetied turnbuckles. Oxygen system service to 1850 psi. Stabilator trim cables tensioned to 14 lbs. at 60 degrees F Turnbuckles safetied. Trim operation satisfactory. Stabilator trim indicator wire re-routed and adjusted for proper indication.

AIRCRAFT GROUND OPERATED ALL SYSTEMS CHECKED NORMAL
 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO IN AIRWORTHY CONDITION

DATE: 4/8/2009

SIGNED: *Walter Mangan*

Work Order 12695

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	2265.06		TOTAL brought forward from previous page
			Calibro Avionics FAA CRS# V94R452Y 561 Sky Ranch Dr. Suite I, Hangar 18A Petaluma, CA 94954 707-775-4756 Aircraft <u>PIPER</u> Reg No. <u>N13839</u> IFR Certification An encoder, transponder, altimeter integration test was Performed as required by FAR Part 91 411 (a)(3) and 91.413(b) and found to comply with FAR Part 43, Appendix E and Appendix F. See Calibro Avionics' WO# <u>09-162</u> and Form CA 021 for details. Signed <u>[Signature]</u> Date <u>20 APR 09</u>

MAKE Piper
MODEL PA23-250
REG NO 13839
WINDY HORNS 17732



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE 4/21/2009
A/C TSN: 2265 06
TACH 2265 06

Airframe Entries

Engines left and right ground run-up after maintenance and inspection. Alternators paralleled per Piper maintenance manual chapter 11-95. De-ice boot regulators on left and right engines adjusted to specifications. De-ice boots operational check good.
FAA 317/Maint and Balance forms completed

DATE 4/21/2009

SIGNED

[Signature]

Work Order 12738

Michael Tillman, A&P 2845176 IA

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2265.06

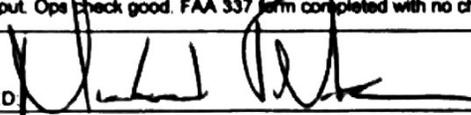
**CALIBRO AVIONICS
FAA CRS# V94R452Y
PITOT/STATIC AND ALTIMETER CERTIFICATION
I.A.W. FAR 91.413 PART 43 APPENDIX E**

Customer Name: Deaton, John	Aircraft Make: Piper
Repair Order #: 09-162	Aircraft Model: PA23-250
Date: 20 Apr 09	Registration #: N13839

Altitude	Tolerance	+-	Friction Tolerance	+-	Pressure Alt Diff +/- 25 Ft
-1000	-10	20			28 10 -1725 -1727
0	0	20			28 5 -1340 -1340
500	0	20			29 00 -865 -863
1000	0	20	10	70	29 50 -385 -382
1500	0	25			29 92 0 0
2000	+0	30	10	70	30 50 +535 +531
3000	+0	30	20	70	30 90 +900 +893
4000	+10	35			30 99 +975 +974
6000	+10	40	20	70	CASE LEAK TEST
8000	+20	60			< 100 FPM @ 18K Ft PASS
10,000	+20	80	25	80	Hysteresis Test +/- 75 Ft
12,000	+20	90			@ 20 K 50% 40 40% 20
14,000	+20	100			@ 35 K 50% 40%
16,000	+30	110	30	90	@ 50 K 50% 40%
18,000	+40	120			AFTER EFFECT TEST PASS
20,000	+40	130	30	100	PITOT HTR TEST PASS
22,000		140			AIRCRAFT LEAK TEST PASS
25,000		155		120	All Make N/A
30,000		180		140	All P/N N/A
35,000		205		160	All S/N N/A
40,000		230		180	Date N/A
45,000		255			Comp By JIM ROGERS
50,000		280		250	Inspected by <u>[Signature]</u> Calibro Avionics Form No. CA 021

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	2265.06		TOTAL brought forward from previous page
			<p>MAKE Piper MODEL PA23-250 S/N 27-4480 REG NO 13839 WORK ORDER 12795</p>  <p>Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone (707) 765-1848</p> <p>DATE: 5/26/2009 A/C TSN 2276 TACH 2276</p> <p>Airframe Entries Battery removed and replaced. Installed fully serviced G35, Sn. G02429560. Voltage regulators for main and auxiliary systems removed and replaced. Installed new Zeftronics alternator controller unit Pn. R15V0N, Sn. W0F014 for main system and alternator controller unit Pn. R15V0N, Sn. W0F015 for auxiliary system per FAA/STC number SA8431SW and Zeftronics installation instructions steps 1 thru 8 for Dwg. No. ZOOPEG, Rev. A1, dated 01/2004. Installed new OEM noise filters in original locations. Ground run aircraft to check voltage output. Ops check good. FAA 337 form completed with no change to weight and balance.</p> <p>DATE 5/26/2009 SIGNED  Work Order: 12795 Michael Tillman, A&P 2645176 IA Printed by EBis 3 (datcomedia.com)</p>
05/26 2009	2276.0		<p>MAKE Piper MODEL PA23-250 S/N 27-4480 REG NO 13839 WORK ORDER 12847</p>  <p>Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone (707) 765-1848 Email: info@mangonaircraft.com</p> <p>DATE: 7/21/2009 A/C TSN: 2290.5 TACH: 2290.5</p> <p>Airframe Entries Fuel bladders (4 ea) removed and replaced with new Eagle Fuel Cells-Etc, Inc. modified bladders with a fuel drain nipple installed in the lower inboard corners of each bladder for installing STC number SA01237AT, "Piper PA-23 Fuel Cell Drain Kit Installation", IAW Piper maintenance manual chapter 9-4 removal and 9-11 installation procedures. Fuel cell senders checked for resistance. No defects noted. Leak and ops check good.</p> <p>DATE 7/21/2009 SIGNED  Work Order 12847 Michael Tillman, A&P 2645176 IA Printed by EBis 3 (datcomedia.com)</p>
07/21 2009	2290.5		
8-25-2009	2304.3		Tach Time. Removed all wing and Tail pneumatic clevis boots. Inti. Cleaned all old adhesive off of surfaces. Installed new: SMA 2039-1-1 S/N 1024 left wing, SMA 2039-1-2 S/N 1029 Right wing, SMR 2039-2-1 S/N 1017 left Horizontal, SMA 2039-2-2 S/N 1016 Right Horizontal, and SMA 2039-3-1 S/N 1012 Vertical Stabilizer clevis boots. Installation performed in accordance with SMA Report 97-37-047 dated June 29, 2006. Complied with AD 2009-13-06 paragraph (e)(1) by Replacing lock assembly and all nose baggage latch springs, clevis pins, and cotter pins with new. Paragraph (e)(1) replacement near due at 2304.3 Tach Time. Paragraph (e)(2) inspection near due at 2404.3 Tach Time. Buing - 98 AP3274428
			2904.3

2304.3 SUB-TOTAL this page
2304.3 TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	23043		TOTAL brought forward from previous page
11/23/09			Left Tach Time 2305 41 Removed control surfaces, stripped, etched, alodined, primed, and painted the airframe using Duponts Imron system. Paint colors – White 7848U, Red M1150U, Black 535U Control surface bushings and bearings lubed. Control surfaces balanced and installed. Balance figures as follows – Ailerons (right) 4.42 in/lbs (left) 6.35 in/lbs, Rudder 49.2 in/lbs Stabilator 0.0 in/lbs using 7.5 lb test weight. Aircraft placed on jacks and a retraction test performed.
			Dial Eastern States Aircraft Painting Inc. Harrison Co Airport Cadiz Oh. (8G6) Richard Guenther AP3039613



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 0
 2329.99

MAKE Piper
MODEL PA23-250
S/N 27-4480
REG NO 13839
WORK ORDER 13137



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone (707) 765-1648

DATE 9/7/2010
AC TSN: 2329 99
TACH: 2329 99

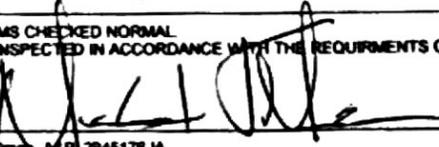
Airframe Entries

Annual inspection per FAR 91 409(a)(1), completed, using Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I, Inspection Report, Items D Thru I. See Following corrected discrepancies. ELT complied with FAR 91 207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a thru f ELT tested satisfactory Batteries replaced Battery due date is 9/2012. ELT test due again 9/2011 Battery complied with Manufacture capacitance check for annual certification. Remove battery, clean, inspect, charge for two hours, perform capacitance test, recharge to specifications, service and install. Battery at 99%. Due again 9/2011 Vacuum central and relief filters replaced I/A/W Airborne Service Letter 59A... Engine air filters replaced I/A/W continued airworthiness requirements instructions per Brackett Air filter Document I-194 Engine Rt. propeller de-ice wiring harness insulation removed and replaced with customer supplied insulation. Electric boost pump Lt. removed to inspect adjustment screw seal. No defects noted. Re-installed seal, screw and tightened jam nut. Leak and ops check good. A.D. 80-18-10 Eff 09/08/80 Piper Fuel Selector valve inspection complied with by visual and operational inspection as per Par (b), sub. sec. (1) and (2), amendment 39-3903 No discrepancies noted. Due again in 100 hours at 2499 29 hours. A.D. 88-21-07 R1 Fuel filter compartment vent lines complied with by regulating air pressure into lines. Lines not block and they hold pressure. Due again 9/2011 A.D. 2004-21-05, Eff 11/19/2004. Prevent combustion by-products (carbon-monoxide exhaust) and fuel leakage from the combustion heaters. Complied with Para. (e), (1), (i) pressure decay satisfactory no leaks noted & (ii) pressure switch operation normal. Due again 123 heater hrs. or 9/2012 A.D. 2004-25-16 Eff 01/05/2005 Prevent failure of the heater fuel regulator shutoff valve. Complied with by para. (1) & (2) Next due 9/2011 or 2329 99 which ever occurs first. A.D. 2009-13-08, effective date 7/24/2009. To detect and correct damaged, worn, corroded, or non-conforming nose baggage door components. (S B 1194A). Section (e) (2) complied with by inspection and lubrication. Brake calipers safetied with correct gauge safety wire... Oxygen bottle sent out for testing on P/O 6189 Bottle inspected after customer installation. No defects noted. Oxygen system serviced to 1850 Governor propeller Lt. Pn. F-8-5A Sn. A310T, removed and sent for overhaul. Installed overhauled unit in original location. Run-up completed. Adjusted governor fine pitch stop to 2550 static RPM. Ops check good... Governor propeller Rt. Pn. F8-5A, Sn. A283T, removed and sent for overhaul. Installed overhauled unit in original location. Ground run-up completed. Adjusted governor fine pitch stop to 2550 static RPM. Ops check good... Alternators Lt. & Rt. removed and replaced with National Airparts Inc. FAA PMA approved direct replacement of OEM alternators Pn. P312RM, Sn. 3361 Lt., and 3360 Rt. Belt adjusting brackets removed and replaced. Belts tensioned to specifications. Ops check good... Starter vibrator removed and replaced. Ops check good.

AIRCRAFT GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO IN AIRWORTHY CONDITION

DATE: 9/7/2010

SIGNED



Work Order 13169

Michael T. [unclear] M.P. 2845176 IA

Printed by EBs 3 (datcomedia.com)

Calibro Avionics FAA CRS# V94R452Y
561 Sky Ranch Dr Suite I,
Hangar 18A Petaluma, CA 94954 707-775-4756
Aircraft PIPER Reg No. N13839

IFR Certification
An encoder, transponder, altimeter integration test was performed as required by FAR Part 91 411 (a)(3) and 91 413(b) and found to comply with FAR Part 43, Appendix E and Appendix F
See Calibro Avionics' WO# 11-178 and Form CA 021 for details.
Signed [Signature] Date 12/24/11

2329.99 TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	SIGNATURE & CERTIFICATION
07/11/12	2374.31		TOTAL brought forward from previous page
	2387.46	2387.46	PSA GREEN LED NAV BLUB INSTALLED PSA RED NAV BLUB INSTALLED 07/11/2012 No change in Wt. & Bal

DATE: 11 July, 2012
A/C TSN: 2387.46
TACH: 2387.46

MAKE Piper
MODEL PA23-250
SN 27-4480
REG NO 13839
WORK ORDER 13918



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

Airframe Entries

Nose gear actuator removed, cleaned, inspected and re-sealed. Installed actuator in original location and safetied. Aircraft jacked and gear swung through 5X times normal operation. Leak and ops check good.

DATE: 11 July, 2012

SIGNED: *[Signature]*
Michael Tillman, A&P 2845176 IA

Work Order: 13918
Printed by EBis 3 (datcomedia.com)

MAKE Piper
MODEL PA23-250
SN 27-4480
REG NO 13839
WORK ORDER 14197



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 04 June, 2013
A/C TSN: 2400.41
TACH: 2400.41

Airframe Entries

Annual inspection per FAR 91.409(a)(1), completed, using Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I, Inspection Report, Items D. Thru I. See Following corrected discrepancies. ELT complied with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a, thru f. ELT tested satisfactory. Battery due date is 10/2016, ELT test due again 6/2014... Battery complied with Manufacture capacitance check for annual certification. Remove battery, clean, inspect, charge for two hours, perform capacitance test, recharge to specifications, service and install. Battery at 100%. Due again 6/2014. Vacuum central and relief filters replaced IAAW Airborne Service Letter 56A. Engine air filters replaced IAAW continued airworthiness requirements instructions per Brackett Air filter Document I-194. Main gear struts Lt. & Rt. removed, cleaned, inspected and re-sealed. Re-installed strut assemblies in original locations. Serviced with nitrogen and hydraulic fluid. No leaks noted. Ops check good... A.D. 88-21-07 R1 Fuel filter compartment vent lines complied with by regulating air pressure into lines. Lines not block and they hold pressure. A.D. 2004-21-05, Eff. 11/19/2004, Prevent combustion by-products (carbon-monoxide exhaust) and fuel leakage from the combustion heaters. Complied with Para. (e), (1), (i) pressure decay satisfactory, no leaks noted & (ii) pressure switch operation normal. Due again at 123 heater hrs. or 6/2015... A.D. 2004-25-16 Eff. 01/05/2005 Prevent failure of the heater fuel regulator shutoff valve. Complied with by para. (1) & (2) No defects noted. Next due 6/2014 or 2500.41 hrs. A.D. 2008-13-06, effective date 7/24/2009, To detect and correct damaged, worn, corroded, or non-conforming nose baggage door components. S.B. 1194A complied with visual inspection. No defects noted... Main gear door Rt. outboard push pull control rod ends adjusted to make door fair with airframe.

AIRCRAFT GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO IN AIRWORTHY CONDITION.

DATE: 04 June, 2013

SIGNED: *[Signature]*
Michael Tillman, A&P 2845176 IA

Work Order: 14197
Printed by EBis 3 (datcomedia.com)

06/04/2013

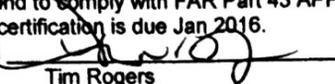
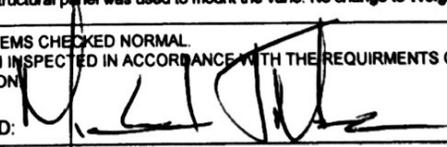
**CALIBRO AVONICS
FAA CROSS-COUNTRY
PITOT/STATIC AND ALTIMETER CERTIFICATION
IAW FAR 91.413 PART 43 APPENDIX E**

Customer Name: Deanon, John	Aircraft Make: Piper
Repair Order #: 2013-0858	Aircraft Model: PA23-250
Date: 1 Oct 2013	Registration #: N13839

Altitude	Tolerance	±	Friction	±	Pressure Alt Diff ± 28 Ft.
0	-10	20			28.10 -1720 -1727
0	0	20			28.6 -1336 -1340
500	0	20			28.60 -880 -883
1000	0	20	10	70	28.60 -385 -382
1500	0	25			28.82 0 0
2000	0	30	10	70	30.50 +540 +531
3000	0	30	10	70	30.80 +885 +893
4000	+5	30			30.88 +970 +974
5000	+5	40	20	70	CASE LEAK TEST
5000	+20	60			+ 100 FPM @ 15K Ft. PASS
10,000	+20	80	20	80	Mysterals Test ± 78 Ft.
12,000	+20	90			@ 20 K 50% 30 40% 20
14,000	+30	100			@ 35 K 50% 40%
16,000	+30	110	30	90	@ 50 K 50% 40%
18,000	+30	120			AFTER EFFECT TEST PASS
20,000	+40	130	30	100	PITOT HTR TEST PASS
22,000	+40	140			AIRCRAFT LEAK TEST PASS
25,000	+40	150	30	120	Alt Sens NA
30,000		180			Alt Pres NA
35,000		200			Alt Sns NA
40,000		220			Date: NA
45,000		250			Comp B: TA PROGBE
50,000		280			Inspected by: <i>[Signature]</i>

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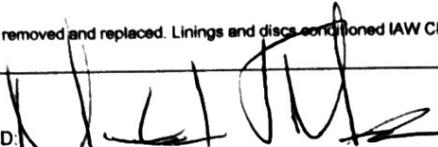
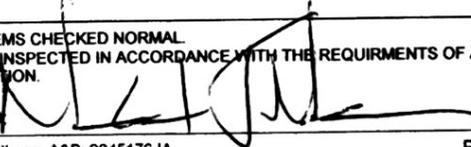
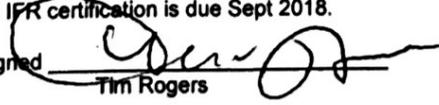
TOTAL—Carry forw

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK				
			TOTAL brought forward from previous page				
01/24/2014			<table border="1"> <tr> <td data-bbox="260 363 654 489"> AIRCRAFT MAKE : Piper MODEL: PA23-250 S/N: 27-4480 REG NO.: N13839 Sales ORDER NO: 2014-0658 </td> <td data-bbox="654 363 1048 489"> CALIBRO AVIONICS 501 SKY RANCH DRIVE PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y </td> <td data-bbox="1048 363 1430 489"> DATE: 24 Jan 2014 A/C TSN: 2417.9 TACH: 2417.9 </td> </tr> </table> <p>FAR IFR Certification: An encoder, transponder, altimeter integration test was performed as required by FAR 91.411 (a)(3) and 91.413 (b) and found to comply with FAR Part 43 APP E and APP F. See attached certification results (CRS V94R452Y3) Next FAR IFR certification is due Jan 2016. DATE: 24 Jan 2014 Signed  Tim Rogers</p>	AIRCRAFT MAKE : Piper MODEL: PA23-250 S/N: 27-4480 REG NO.: N13839 Sales ORDER NO: 2014-0658	CALIBRO AVIONICS 501 SKY RANCH DRIVE PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y	DATE: 24 Jan 2014 A/C TSN: 2417.9 TACH: 2417.9	
AIRCRAFT MAKE : Piper MODEL: PA23-250 S/N: 27-4480 REG NO.: N13839 Sales ORDER NO: 2014-0658	CALIBRO AVIONICS 501 SKY RANCH DRIVE PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y	DATE: 24 Jan 2014 A/C TSN: 2417.9 TACH: 2417.9					
08/01/2014	2438.13		CONCORD BATTERY RG-35AXC SER NO 40488287 REMOVED CONCORDE BATTERY RG-35AXC SER NO 40664875 INSTALLED PER MANUFACTURES INSTRUCTIONS TACH. 2438.13 AUGUST 01 2014				
			Battery Removed 04/01/2017 				
			<table border="0"> <tr> <td data-bbox="379 1012 552 1104"> MAKE: Piper MODEL: PA23-250 S/N: 27-4480 REG. NO: 13839 WORK ORDER: 14733 </td> <td data-bbox="598 1012 662 1104" style="text-align: center;">  </td> <td data-bbox="699 1012 924 1104"> Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </td> <td data-bbox="1292 1005 1473 1060" style="text-align: right;"> DATE: 15 August, 2014 A/C TSN: 2438.31 TACH: 2438.31 </td> </tr> </table> <p>Airframe Entries</p> <p>Annual Inspection per FAR 91.409(a)(1), completed, using Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I, Inspection Report, Items D. Thru. I. See following corrected discrepancies... FAR91 207 (d) ELT Inspection and Testing complied IAW AC43-13-1B, Sec. 12-22, a. thru f. New ELT battery installed. Next inspection due 8/2015 and battery replacement due date 10/30/2016. Battery complied with Manufacture capacitance check for annual certification. Remove battery, clean, inspect, charge for two hours, perform capacitance test, recharge to specifications, service and install. Battery failed at 70%. Installed new fully serviced Concorde RG-35AXC. STC 337 form filled out and copy sent to FSDO in Oklahoma and copy in aircraft records. Due again 8/2015... Vacuum central and relief filters replaced IAW Airborne Service Letter 59A... Engine air filters replaced IAW continued airworthiness requirements instructions per Brackett Air filter Document I-194... Engine left hydraulic pump adapter "O" rings removed and replaced. No leaks noted. Ops check good... Engine right propeller governor removed, cleaned and inspected. No defects noted at this time. Reinstalled governor in original location with new gasket and torqued nuts. No leaks noted. Function check satisfactory. ... Nose gear door actuator removed, inspected and re-sealed. Installed in original location. Gear swung through 2X times normal operation. No leaks noted. Ops check good... Fuel quick drain Lt. wing tip drain removed and cleaned of debris. No leaks noted... A.D. 80-18-10 Eff. 09/08/80 Piper Fuel Selector valve inspection complied with by visual and operational inspection as per Par. (b), sub. sec. (1) and (2), amendment 39-3903. No discrepancies noted. Due again in 100 hours at 2538.31 hours... A.D. 88-21-07 R1 Fuel filler compartment vent lines complied with by regulating air pressure into vent lines. Lines not block and they hold pressure. Next due 8/2015... A.D. 2004-25-16 Eff. 01/05/2005 Prevent failure of the heater fuel regulator shutoff valve. Complied with by para. (1) & (2). Next due 8/15 or 2538.31 TT which ever occurs first... Hydraulic pump Pn. 26802-3, Sn. 0K9-0653 removed for overhaul. Re-installed overhaul unit in original location with new gaskets. Ground run up performed. Cycled flaps 4X times. No leaks noted. Ops check good... Door Steward door assist gas spring installed. OEM door slide guide system removed. Installed per FAA approved STC number SA1120SE Door Steward installation instruction sheet # MVA-B40C10M&O section A2, 1 thru 18, on main cabin door. Form 337 completed and copy sent to FSDO in Oklahoma City and copy made part of the aircraft records... Aircraft placed on scales and a Weight & Balance computed for gross weight, useful load and C.G. Results added to AFM records... Angle of Attack by Alpha Systems installed per Installation and Operations Manual Pn. IOM-Legacy, Rev D, section 3.1 thru 3.9. This installation is determined to be a Minor Alteration as a non structural panel was used to mount the vane. No change to Weight & Balance.</p> <p>AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO IN AIRWORTHY CONDITION</p> <p>DATE: 15 August, 2014 SIGNED:  Michael Tillman, A&P: 2845176 IA Work Order: 14733 Printed by EBIS 3 (datcomedia.com)</p>	MAKE: Piper MODEL: PA23-250 S/N: 27-4480 REG. NO: 13839 WORK ORDER: 14733		Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	DATE: 15 August, 2014 A/C TSN: 2438.31 TACH: 2438.31
MAKE: Piper MODEL: PA23-250 S/N: 27-4480 REG. NO: 13839 WORK ORDER: 14733		Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	DATE: 15 August, 2014 A/C TSN: 2438.31 TACH: 2438.31				
8/15/14							

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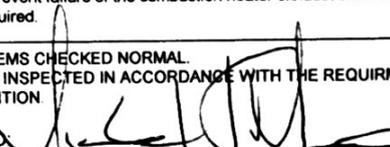
2438.31

TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
	2438.31		TOTAL brought forward from previous page			
02/09/15			<p>MAKE: Piper MODEL: PA23-250 S/N: 27-4480 REG. NO: 13839 WORK ORDER: 14939</p>  <p>Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848</p> <p>DATE: 09 February, 2015 A/C TSN: 2478 33 TACH: 2478 33</p> <p>Airframe Entries Brake linings and discs, Rt. & Lt. main wheels, removed and replaced. Linings and discs conditioned IAW Cleveland conditioning procedures.</p> <p>DATE: 09 February, 2015 SIGNED:  Michael Tillman, A&P: 2845176 IA Work Order: 14939 Printed by EBIS 3 (datcomedia.com)</p>			
07/15/2016			<p>MAKE: Piper MODEL: PA23-250 S/N: 27-4480 REG. NO: 13839 WORK ORDER: 15213</p>  <p>Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848</p> <p>DATE: 01 April, 2017 A/C TSN: 2488.63 TACH: 2488.63</p> <p>Airframe Entries Annual Inspection per FAR 91 409(a)(1), completed, using Piper Service Manual Pn. 753-564, IR860921, 08/21/86, Table III-I, Inspection Report, Items D. Thru. I. See Following corrected discrepancies... ELT complied with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a. thru f. ELT tested satisfactory Battery due date and ELT test due again 1/2018.... Battery complied with Manufacture capacitance check for annual certification. Remove battery, clean, inspect, charge for two hours, perform capacitance test. Battery failed at 71%. Installed new fully serviced Gill G35 battery Inspection due again 4/2018 ... Engine air filters Lt. & Rt. replaced IAW/W continued airworthiness requirements instructions per Brackett Air filter Document I-194 ... A.D. 88-21-07 R1 Fuel filter compartment vent lines complied with by regulating air pressure into lines. Lines not block and they hold pressure. ... A.D. 2003-09-13 Eff. 6/23/03 Piper flap control torque tube inspection complied with by visual inspection as per Par. (d), sub. sec. (1), amendment 39-13142 effective June 23, 2003. No discrepancies noted. Due again in 500 hours at 2988.63 hours.... A.D. 2009-13-06, effective date 7/24/2009, To detect and correct damaged, worn, corroded, or non-conforming nose baggage door components. (S.B. 1194A) Complied with 100 hr visual inspection of door components. No defects noted. Moving parts all lubricated. Ops check good.... Engine Lt. Exhaust "V" band clamps from riser to transition torqued and safetied. Re-positioned flange to center. No leaks noted.... Engine Lt. shock mounts removed and replaced per Piper Maintenance Manual chapter 8A-29 Torqued mounting hardware to 500 in. lbs.... Engine Rt. shock mounts removed and replaced per Piper Maintenance Manual chapter 8A-29. Torqued mounting hardware to 500 in. lbs.... Brake master cylinder pilot Lt. side removed, cleaned, inspected and re-sealed. System purged of trapped air and reservoir serviced. No leaks noted. Ops check good.... Main gear and nose gear tires removed and replaced. Wheel halves cleaned and inspected. Wheel bearings packed with Aeroshell 22. Re-assembled nose wheel assembly with new tire and torqued wheel bolts to 90 in. lbs. Installed onto axle, torqued and safetied. Re-assembled main wheel assemblies with new tires and torqued wheel bolts to 150 in. lbs. Installed onto axle, torqued and safetied.</p> <p>AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>DATE: 01 April, 2017 SIGNED:  Michael Tillman, A&P: 2845176 IA Work Order: 15213 Printed by EBIS 3 (datcomedia.com)</p>			
04/01/2017			<p>Removed Gill Battery G35 on 01/12/2019</p>			
INSECT ABOVE			<table border="1"> <tr> <td data-bbox="276 1386 682 1522"> <p>AIRCRAFT MAKE : Piper MODEL PA23-250 S/N: 27-4480 REG NO.: N13839 WORK ORDER NO: 2016-15538</p> </td> <td data-bbox="682 1386 1079 1522"> <p>CALIBRO AVIONICS 501 SKY RANCH DRIVE PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y</p> </td> <td data-bbox="1079 1386 1485 1522"> <p>DATE: 1 Sept 2016 A/C TSN: 2488.7 TACH: 2488.7</p> </td> </tr> </table> <p>FAR IFR Certification: An encoder, transponder, altimeter integration test was performed as required by FAR 91.411 (a)(3) and 91.413 (b) and found to comply with FAR Part 43 APP E and APP F. See attached certification results (CRS V94R452Y3) Next FAR IFR certification is due Sept 2018.</p> <p>DATE: 1 Sept 2016 Signed:  Tim Rogers</p>	<p>AIRCRAFT MAKE : Piper MODEL PA23-250 S/N: 27-4480 REG NO.: N13839 WORK ORDER NO: 2016-15538</p>	<p>CALIBRO AVIONICS 501 SKY RANCH DRIVE PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y</p>	<p>DATE: 1 Sept 2016 A/C TSN: 2488.7 TACH: 2488.7</p>
<p>AIRCRAFT MAKE : Piper MODEL PA23-250 S/N: 27-4480 REG NO.: N13839 WORK ORDER NO: 2016-15538</p>	<p>CALIBRO AVIONICS 501 SKY RANCH DRIVE PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y</p>	<p>DATE: 1 Sept 2016 A/C TSN: 2488.7 TACH: 2488.7</p>				

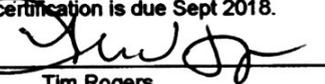
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	2507.3		TOTAL brought forward from previous page
10/01/2018			
	2507.3		<p>MAKE: Piper MODEL: PA23-250 S/N: 27-4480 REG NO: 13839 WORK ORDER: 16201</p> <p> Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848</p> <p>DATE: 01 October, 2018 A/C TSM: 2507.3 TACH: 2507.3</p> <p>Airframe Entries</p> <p>Annual Inspection per FAR 91.409(a)(1), completed, using Piper Service Manual Pn. 753-564, IR860921, 06/21/86, Table III-I, Inspection Report, Items D Thru. I. ... ELT complied with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a thru f. ELT tested satisfactory. Battery due date is 6/2023 and ELT test due again 10/2019. ... Vacuum relief filters replaced I/A/W Airborne Service Letter 59A... A.D. 86-21-07 R1 Fuel filler compartment vent lines complied with by regulating air pressure into lines. Lines not block and they hold pressure. ... A.D. 2004-21-05, Eff. 11/19/2004, Prevent combustion by-products (carbon-monoxide exhaust) and fuel leakage from the combustion heaters. Complied with Para. (e), (1), (i) pressure decay satisfactory, no leaks noted & (ii) pressure switch operation normal. Due again at 125.5 heater hrs. or 10/2020... A.D. 2004-25-16 Eff. 01/05/2005 Prevent failure of the heater fuel regulator shutoff valve. Complied with by para. (1) & (2). Next due 10/2019 or 2607.3 hrs.... A.D. 2017-15-05, effective date 8/28/2017, to prevent failure of the combustion heater exhaust extension complied with by determining the heater tail pipe material is stainless steel. No further action required.</p> <p>AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>DATE: 01 October, 2018 SIGNED:  Work Order: 16201 Michael Tillman, A&P: 2845176 IA Printed by EBIS 3 (datcomedia.com)</p>

<p>10/13/2018</p> <p>AIRCRAFT MAKE : Piper MODEL PA23-250 S/N: 27-4480 REG NO.: N13839 WORK ORDER NO: 2018-1112</p>	<p>CALIBRO AVIONICS 501 SKYRANCH Rd PETALUMA, CA 94954 707-775-4756 FAA CRS NO. V94R452Y</p>	<p>DATE: 13 Oct 2018 TACH:2507.3</p>
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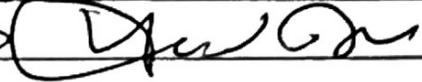
FAR IFR Certification: An encoder, transponder, altimeter integration test was performed as required by FAR 91.411 (a)(3) and 91.413 (b) and found to comply with FAR Part 43 APP E and APP F. See attached certification results (CRS V94R452Y3) Next FAR IFR certification is due Sept 2018.

DATE: 13 Oct 2018 Signed  Tim Rogers

CALIBRO AVIONICS
FOR CRS VERIFICATION
PROTATIC AND ALTIMETER CERTIFICATION
I.A.W. FAR 91.413 PART 43 APPENDIX E

Customer Name: Mangon, John	Aircraft Model: Piper
Work Order #: 2018-1112	Aircraft Number: PA23-250
Date: 13 Oct 2018	Registration #: N13839

Altitude	Indication	±	Minimum Indication	±	Pressure Alt 28.10 ± 25 Ft.	±	Pressure Alt 28.10 ± 25 Ft.
1000	45	20	28.10	1755	1720		
1000	3	10	28.10	1800	1800		
1000	3	10	28.10	1850	1850		
1000	3	10	28.10	1900	1900		
1000	3	10	28.10	1950	1950		
1000	3	10	28.10	2000	2000		
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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
	2509.4		TOTAL brought forward from previous page
05/01/20	2516.5	2516.5	
			<p>MAKE Piper MODEL PA23-250 S/N 27-4480 REG NO 13839 WORK ORDER 16558</p> <p>Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone (707) 765-1848</p> <p>DATE 01 May 2020 A/C TBN 2516 5 TACH 2516 5</p> <p>Airframe Entries</p> <p>Annual inspection per FAR 91.409(a)(1), completed, using Piper Service Manual Pn 753-564 IR990921, 08/21/99, Table III-I, Inspection Report, Items D Thru I ELT complied with FAR 91.207 (d) inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec 12-22, a thru I ELT tested satisfactory. Battery due date is 6/2023. FLT test due again 5/2021. Battery complied with Manufacture capacitance check for annual certification. Removed battery cleaned, inspected, charged for four hours, performed capacitance test. Battery failed 1st test at 77.3%. Performed deep cycle recharging procedures per Gill manufactures specifications of 5 hour constant charge rate of 3.3 amps. Battery passed 2nd capacitance test at 86.5%. Due again 5/2021. Nose gear strut assembly removed and sent for repairs. Strut assembly not repairable. Installed used serviceable customer supplied part. Strut cleaned, inspected and re-sealed. Serviced assembly to specification. Anti-retraction valve on LI main gear removed, cleaned, inspected and re-sealed. Installed valve in original location. Gear sewing through 5X times normal operation. Power pack serviced to specifications. No leaks noted. Ops check good. LI aileron remove and replaced with customer supplied serviceable part. Bushings installed on middle attach point. A.D. 88-21-07 R1 Fuel filter compartment vent lines complied with by regulating air pressure into lines. Lines not block and they hold pressure. A.D. 2004-25-16 ER 01/05/2005 Prevent failure of the heater fuel regulator shut-off valve. Complied with by para (1) & (2). Next due 5/2021 or 2815 5 hrs which ever occurs first. A.D. 2004-21-05 ER 11/19/2004 Prevent combustion by-products (carbon-monoxide exhaust) and fuel leakage from the combustion heaters. Complied with Para (e), (1), (i) pressure decay satisfactory, no leaks noted & (ii) pressure switch operation normal. Due again at 125 heater hrs or 4/2022.</p> <p>AIRCRAFT GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>DATE 01 May, 2020 SIGNED  Work Order 16558 Michael Tillman, A&P 2845176 IA Printed by EBis 3 (datcomedia.com)</p>
30 MAR 2021	2531.3	2528.3	<p>FAR IFR CERTIFICATION & AN ENCODER, IRADS - POUNDER, ACTINETER INTEGRATION TEST WAS PERFORMED AS REQUIRED BY FAR 91.411 (a)(3) AND 91.413 (b) AND FOUND TO COMPLY WITH FAR PART 43 APPENDIX A APP F. 30 MAR 2021 SIGNED  THE ABOVE'S SIGNATURES - FAR CRS 53 DCR PER N 1441 FLIGHTLOG DR. LILCOOP, CA 94948</p>
June 10 2021			<p>Remond Gill Battery Replaced with Conquest RG-35A XC 41148855 Jim Williams 2734852 ATP June 10 2021</p>

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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				
			TOTAL brought forward from previous page				

Airframe	Log Entry						
REG #	N13839	Date	02/01/2022	Model	PA23-250	Serial #	27-4480
MFG	Piper	ACTT	2546				

Complied with an 100hr/Annual inspection IAW FAR 91-409 (A) (1) referencing Piper Service Manual P/N 753-564. Complied with FAR 91-207 (D) ELT inspection and testing.
 Removed, inspect and reinstalled main A/C battery P/N RG-35AXC, S/N 91148855.
 Installed Oxygen bottle P/N 800113-13, S/N ST361515 with new regulator P/N R1224B, S/N H-V102275. Serviced Oxygen Bottle to 1800 PSI.
 Complied with A/D # 88-21-07R1 Fuel filter compartment vent lines complied with regulating air pressure into lines.
 Complied with A/D # 2004-25-16 Prevent failure of the heater fuel regulator shutoff valve.
 Complied with A/D # 2004-21-05 Prevent combustion by products carbon monoxide exhaust and fuel leakage from the combustion heaters
 I certify that this AIRFRAME has been inspected IAW an annual inspection and was found to be in airworthy condition.

Brian Welling Brian Welling A/P 3692260 IA.

Airframe	Log Entry						
REG #	N13839	Date	02/01/2022	Model	PA23-250	Serial #	27-4480
MFG	Piper	ACTT	2546				

Installed Oxygen Cylinder Assembly P/N 80012-13, S/N ST361515. With new Regulator P/N R1224B, S/N H-V102275.
 Cylinder MFG Date: 08/2021
 Hydgo Test Date: 08/2021
 Hydro Test Due: 08/2024
 Cylinder EXP: Date 08/2045.

Brian Welling Brian Welling A/P 3692260.

Model # GTX 330 Serial # 8411413
 Aircraft N# 13839 Date: NOV 7 2022
 Transponder system tested in accordance with part 43, Appendix "F" & Appendix "E", Subpart (c) for compliance with FAR 91.413.
 Signature: [Signature] Work Order # 11907
 MUELLER AVIONICS, INC. CRS # QYVR044J

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	TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

7 November, 2022 N13839 Piper PA-23-250 A/C SN: 27-4480 Tach:

Found battery drain caused by security system. Disabled security system. Removed directional gyro Pn 060-0015-00 SN: 63069 and installed overhauled gyro SN: 5681. Remover transponder GTX330 PN 011-00455-00 SN: 84122324 and installed overhauled transponder SN: 841111413. Transponder was tested in accordance with part 43, Appendix "F" and appendix "E" subpart C for compliance with FAR 91.413. Replaced two broken prop deice boot harnesses PN RA1649 and RA19889-3. Re installed left engine cowling. All items checked good. All work performed referencing Piper Service manual and AC 43.13-1B. I approve this aircraft for return to service.


Ronald J Brown
 AP 3443354
 Big River Aviation, LLC

30 December, 2022 N13839 Piper PA-23-250 A/C SN: 27-4480 Tach:

Removed battery PN RG35A SN 03031108 and installed new battery SN 41275800. Ops checked good. All work performed referencing Piper Service manual and AC 43.13-1B. I approve this aircraft for return to service.

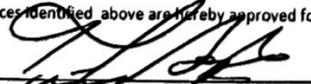

Ronald J Brown
 AP 3443354
 Big River Aviation, LLC

Win Win Aviation
AIRFRAME

Aircraft: N13839 SN 27-4480 Model: PA23-250
 Aircraft TT: 2,555.80 Date 11/6/2023

- Annual inspection completed as per FAR.91(a)(1), using Piper Service Manual Pn:753-564 Table III inspection report, items D thru I. ELT complied with FAR91.207(d). New ELT battery fitted, # 11-10012. Due 2028. Test due 2024. Annual capacitance check completed, passed @ 98%. Recharged and installed. Replaced both Bracket Air filters # BA3505. Replaced Instrument Air Filter # RA117-1. Lubricated all rod ends and flight controls. Removed main wheels and nose wheel, cleaned and inspected and regreased, replaced L/h and R/h brake linings, installed all wheels and secured with cotter pins. Landing gear retractions completed, no leaks found. L/h and R/h engine inboard and outboard Magneto's sent for 500 hour inspection and check. AD 2023-09-09 complied with by means of visual inspection of the turbo V-Band clamps, no defects found. AD 2021-25-11 complied with by visual inspection of the stabilator tip tube and weight assembly, no defects found. AD 2017-15-05 complied with visual inspection, found to be stainless steel. AD 2003-09-13 complied with by visual inspection of the flap control tubes, found satisfactory. AD 2004-25-16 complied with visual inspection heater fuel regulator shut off valve, found satisfactory.

All inspections, work, and repairs were performed per Customers Request, IAW appropriate manufacturer's maintenance manuals, structural repair manuals, and standard practices. The aircraft, engines, propellers, or appliances identified above are hereby approved for return to service as per the work performed.

Signature 
 J.F. Myburgh 38428921A

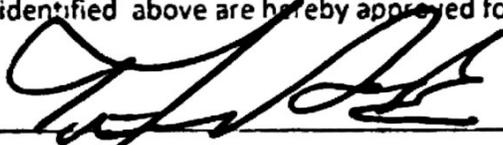
Win Win Aviation

AIRFRAME

Aircraft: N13839 **SN** 27-4480 **Model:** PA23-250
Aircraft TT: 2,557.20 **Date** 3/12/2025

- 1.) Annual Inspection completed as per FAR91.(a)1), using Piper Service Manual PN: 753-564 Table 111 Inspection Report, items D thru I.
- 2.) Lubricated all rod ends and flight controls and pulleys.
- 3.) Bracket Air Filters inspected, found clean and satisfactory.
- 4.) ELT Test completed, found satisfactory, Battery due 2028.
- 5.) Removed main wheels and nose wheel, cleaned and inspected bearings, found satisfactory, re-greased and installed, L/h and R/h brake linings and discs found satisfactory.
- 6.) Landing gear retractions completed, found satisfactory, no leaks.
- 7.) Oxygen bottle removed and sent for hydro test, installed and filled. Next due 03/28.
- 8.) Remove and replaced front and rear door lock mechanisms.
- 9.) AD 2021-25-11 complied with by means of visual inspection of the stabilator tip tube and weight assembly, no defects found.
- 10.) AD 2017-15-05 Complied with by means of visual inspection, found to be stainless steel.
- 11.) AD 2003-09-13 Complied with by means of visual inspection of the flap control tubes found satisfactory.
- 12.) AD 2004-25-16 Complied with visual inspection heater fuel regulator shut off valve, found satisfactory.
- 13.) All AD's Complied with through March 2025.

All inspections, work, and repairs were performed per Customers Request, IAW appropriate manufacturer's maintenance manuals, structural repair manuals, and standard practices. The aircraft, engines, propellers, or appliances identified above are hereby approved for return to service as per the work performed.

Signature 
J.F. Myburgh 38429921A

