

PIPER AIRCRAFT, INC.

General Offices at Vero Beach, Florida U.S.A.

N8023E

Aircraft
Registration number

Part No. 230715

### AIRCRAFT DESCRIPTION

Registration No	3023E
Model: PA-46-600TP	Popular Name: M 600
Serial No.: 4698156 765385 Colors: MATTERHORN WHITE/S-	Type Certificate No.: A2550 818101 814862 TEEL BLUE & TITANIUM
Engine Manufacturer: PRATT + WHITNEY	Serial Numbers: Single PCE - RM0924
Original Engine Model: PTGA - 42A	Left
	Right
Propeller Manufacturer: HARTZELL	Hub or Serial Number:Single 5F266
Original Propeller Model: 5 D3 - N338A1	Left
	Right
	Blade Numbers
Left	Right
c 4362	
c 5359	- COOO MODE
c 4088	2020 MODEL

C6011 C6471

#### COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No
ectives, through Bi-Weekly e been complied with at the ned	Administration Airworthiness 2020-25 etime of manufacture.  746975679 CRAFT, INC.	3.8	DEC 1 5 2020	
(EFD) EFD1000 Primary Display, and EFD1000 E by Part Number 910-000 Signed:	Avionics, Inc., Evolution Flight Displated Flight Display, EFD1000 Multi-Function Flight Display is found Notes of the Property of the Propert	tion		

D-1-	Data Aircraft Tir		Recorder	W-:	
Date	This Date	Total	Reading	Maintenance	
DEC 1 5 2020	Brought Forward →	3.8	performed. The On (Pri) 9/15 The ELT is insta Battery Replace The ATC Transp were performed	and Static System Test required by FAR 91.411 have been altimeter(s) have been tested:  5/20 at 55.000 ft. (Sec) 9/15/20 at 55.000 ft.  allied per FAR 91.207:  ement date: SEP 2026  onder Tests and Inspections required by FAR 91.413 I this date and found to comply with FAR 43. Appendix F.  rmin Model GTX335R S/N 3EF023584  rmin Model GTX345R S/N 3EF028489	
			Details of this AFT S/N 4698 The Automatic P	inspections are on File at this facility under:  136 Date 11/11/2020  Pressure Altitude Reporting Equipment Test required by have been performed this date: 11/11/2020	
			91.411 have be tested to <u>40.00</u> I find that the al	timeter and static system test required by FAR Part en performed. The standby altimeter has been of 12112020  Fig. on 7/21/2020  Fircraft meets the requirements for the certification have issued a Standard Airworthiness Certificate.  Date: DEC 1 5 2020	
Total To Carry Forward		3.8			

## Registration No. N8023E

and Remarks	Signature	Certificate No.	
per installed AMSAFE Aviation Inflatable Restraints for the Pilot and p-Pilot Seats Per STC SA02276AK. (Ref: Dwg. 46G00A000 Complete rplane - PA-46-600TP and PC 206 PLR.)  gned:  M. D. GERTHOFFER 746375679  PIPER AIRCRAFT, INC.	Exp.: 12/22/2022  ADC64 98C35 94301  If activated, call the AFRCC at  1-800-851-3051		
N8023E Model: PA-46-600TP S/N: 4698156 Date: 18 December 2020  Installed battery charger wiring provisions kit P/N BM-AIK1 in the engine compartment RI been evaluated and determined to be a minor alteration. Accomplished all required operational and functional checks with satisfactory results.  The Aircraft identified above was repaired and inspected in accordance with current Reg is approved for return to service. Pertinent details are on file under the above work order.  Signed  Olathe KS 66062 (913) 782-0530	H side per kit instructions.	tion Administration and	

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORAOO 80112 (303) 799-8386

N8023E

Piper

PA-46-600TP

S/N: 4698156

Total Time: 27.7

20 February 2021

Hobbs: 27.7

Complied Piper Service Letter 1286B (Nose Landing gear Steering Components) per service letter instructions and the Piper Maintenance Manual Chapter 27-1-, 27-20, 32-10, 32-30. Adjusted nose roller clearance, both rods between the rudder pedals and steering bellcrank, steering bungee, rudder cable and yaw servo cable tensions. Removed one thin washer between each main gear center torque link and installed one thick washer to align the main landing. Checked rudder / aileron interconnect. Control system freedom of movement and stop check was good. Installed one additional forward USB power outlet with a circuit breaker in the right circuit breaker panel.

w/o 41997

Scott L. Uto A&P 3442269

Airframe

N2LG

Model: PA-46-600TP

S/N: 4698156

Date: 19 March 2021

Hobbs Time: 29.9

Total Time: 29.9

Landings:

Work Order: S-21-00079

Installed new registration markings N2LG per the requirements of 14 CFR 45 Subpart C

Changed transponder settings to reflect new tail number per Piper PA-46-600TP AMM 767-617 ch 34-25-03.

The ATC transponder system has been tested and inspected as required by FAR 91.413(b)&(c) and was found to comply with appendix E of FAR 43.

Removed Artex ELT1000 S/N 387263-043 for tail number reprogramming. "ELT not installed" placard installed in cockpit. Accomplished all required operational and functional checks with satisfactory results.

The Aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

### Registration No. N2LG

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N2LG Piper PA-46-600TP S/N: 4698156 Total Time: 34.1

24 April 2021 Hobbs: 34.1

Installed Artex 1000 ELT P/N: A3-06-2749-1 Rev E, S/N: 323-00855 after reprogramming for registration number change. Beacon ID ADC64 92499 9A6B1. Functional check good after installation.

Scott L. Utz A&P3442269

w/o 42206

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N2LG Piper PA 46-600TP S/N: 4698156 Aircraft Total Time: 41.6

10 June 2021 Hobbs: 41.6

Completed 1st 50 Hour Inspection per Piper form 765-044. General inspection of aircraft per check list. Checked cable tensions. Adjusted the Roll Servo, Yaw Servo and Pitch Servo cable tensions as needed. Installed new grease fittings on the upper nose landing gear strut. Resealed pin in auto-throttle servo and completed servo functional check. Complied with Piper Service Bulletin 1364A (Fuel Quantity Capacitance Probe Check) by draining all fuel and checking individual probe values. All 10 probes checked good with values less than table 2 of the service bulletin. Completed fuel accuracy check, check was good. Serviced tires per Piper Service Letter 1285A. Completed servicing and lubrication per check list. Fire Extinguisher weight check at 2 pounds 7 ounces. Ground run up and operational check good.

AD's checked thorugh bi-weekly 2021-12.

w/o 42317 Scott E

Scott L 27 A&P3442269

Airframe

N2LG

Model: PA-46-600TP

S/N: 4698156 Date: 11 June 2021

Downloaded and cleared fault data

KCAC.
Kended City Avigtion Center

Hcbbs Time: 43.8

Total Time: 43.8

Landings:

Work Order: S-21-00175

Straightened upper passenger door seal rail and applied RTV to nicks in the door seal. Accomplished all required operational and functional checks with satisfactory results.

The Aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Oletha MS 66062 (043) 792 0520 EAA Books Station #AMAYB1740

Signed	5/	Olathe KS 66062	(913) 782-0530	FAA Repair Station #AMYR1/1C
<del></del>				
Total To Carry Forward				

		Registration No.				
and	Damarke			<b>C</b> *******	Τ,	*ificate No.
_		DESIMOINES	PO BOX 35126 - DES TELEPHONE (515) 25	TIONAL AIRPORT 5 MOINES, IOWA 50315 56-5300 – FAX (515) 256 imfs.com		
_	6/16/2021	N2LG	PIPER PA-46-600TP	SN 46-98156		
	HOBBS: 44.7					
_	and installed a New au	ito-throttle servo, Garmi software and configurati	Number 011-03780-00 Serian Part Number 011-03780-0 ons into the new servo in account of the new servo.	0 Serial Number		,
_	inspected in accordance	ce with current regulation inent details of the reparation	er, or appliance identified about ns of the Federal Aviation Agir are on file at this agency units.	gency and is approved	l for	
	Des Moines Flying S	Service, Inc., FAA	CRS G9CR485J			



## INTERNATIONAL AIRPORT PO BOX 35126 - DES MOINES, IOWA 50315-0302 TELEPHONE (515) 256-5300 - FAX (515) 256-5537 dmfs.com

ntenance

6/16/2021

N2LG

PIPER PA-46-600TP

SN 46-98156

HOBBS: 44.7

Calibrated the standby Aspen Air Data Computer in accordance with the Aspen Avionics Tech Note For Air Data Calibration, Tech Note 2009-09 Rev D, dated 04-07-2016.

Complied with CFR 91.411. I certify that the air datas and static system tests required by FAR 91.411 have been performed. The air datas and altimeter have been tested to 30,000 feet. Date 6/16/2021 Pilots Air Data P/N: 011-03734-00 S/N: 45S000369 Co-Pilot Air Data P/N: 011-03734-00 S/N: 45S000386 and Standby Aspen Air Data P/N: 910-00001-501 MOD1 S/N: 29110 DMFS Seq No. 6145.

Complied with CFR 91.413 / 91.217 on the #1 Transponder Garmin P/N: 011-01215-30 S/N: 3EF023584 and the #2 Transponder Garmin P/N: 011-01217-30 S/N: 3EH028489. I certify that the transponder and mode C/S data correspondence tests and inspections required by FAR 91.217 and 91.413 have been performed in accordance with FAR 43 Appendices "E" and "F".

Complied with Aeromech ICA for Piper PA-46-600TP Airplanes Qualified for Operations Within RVSM Airspace, document no. AM0325-IC01-05, dated 09/20/2019.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order № 21454.

Date Signed 06/16/2021

Des Moines Flying Service, Inc.,

FAA CRS G9CR485J

0

#### Airframe

N2LG

Model: PA-46-600TP

S/N: 4698156

Date: 20 October 2021



Hobbs Time: 78.2 Total Time: 78.2

Landings:

Work Order: S-21-00289

Removed and replaced aircraft registry markings with new markings (N2LG). Aircraft registry has not changed.

The Aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed (M) M(I)	Olathe KS 66062	(913) 782-0530	FAA Repair Station #AMYR1710	
	-			
		7,		
	4000000			

Date	Aircraft Time		Recorder		
	This Date	Total	Reading	Maintenance	

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 4698156 N2LG PA-46-600TP Aircraft Total Time: 95.9 Piper

14 January 2022 Hobbs: 95.9 Landings: Event 1 / Event 2 / Annual Inspection completed this date using the Piper Inspection Event work sheets. Worksheets contain the scope and detail of FAR 43 Appendix D. Inspected and tested Artex ELT 1000 per manufactures service instructions, FAR 91.207, WS Technologies beacon test report BT100AV triple/3195/N2LG-12-10-1 on file. ELT battery expires September 2026. Completed 30 day, 90 day, 6 month, 12 month, 50 hour section inspection items. Installed a new strobe flasher P/N: 479-007 S/N: 11499450003 in the right-wing tip. Fit and installed new left- and right-wing tip light lenses. Adjusted interior left side interior cover around pitot static drains for clearance. Installed a new flap indicator potentiometer and adjusted. Installed a new emergency exit seal. Reattached lower cabin step material as needed. Secured right wing outboard aft de-ice boot edge as needed. Applied sealant around the right-wing stall strip to seal edges. Secured hardware for the lower cabin door interior panel. Trimmed forward rightside panel under the instrument panel for better fit. Inspected both fuel tank vent valves. Adjusted the right valve so the hinge was on top. Put aircraft on jacks and ran landing gear retraction and extension checks. Checked rigging, indication, clearance and emergency extension system. Completed 100 hour / Annual lubrication schedule. Cleaned, inspected and serviced wheel bearings. Ran landing gear through at least 5 fault free cycles. All landing gear operations and indications were normal. Completed 100-hour engine mount and firewall inspection, no defects noted. Complied with Piper SB 1369 (Elevator spar) by visual inspection, no defects found. Completed with Piper SB 1367 (Aft rib assembly rivets replacement) by replacing protruding head rivets with flush rivets per service instructions. Complied with Piper SB 1370 (Inertial Separator Duct Shredder Angle) by visual inspection, no cracks or missing pieces noted. Installed reinforcement kit 88700-701 per service instructions.

Page 1

	Registration	No	2	
and Remarks			Signature	Certificate No.
12760 EAST CON		APAHOE AERO D ENGLEWOOD, COLO	RADO 80112 (303) 7	99-8386
N2LG Piper	PA-46-600TP	S/N: 4698156	Aircraft Total Tin	
14 January 2022	Hobbs: 95.9	Landings:	An Craft Fotal File	-
software from 2975.1 25EA09E3E, baseline Enhanced AFSC Supp AFCS, Chartview, SV Detection, Emergency Letter 514). Loaded Cl Complied with Piper service instructions. Pi Joint failure) N/A by Post inspection ground CERTIFY THAT TH	7 to 2975.22 per Pipe PA-46-600TP, Emergort, Flight Stream 510 T, TAWS, TCAS I, S Autoland Enablemen MC (M600.13). Com SB 1371 (Wing Asso per AD 2019-12-12 aircraft S/N. Piper A I run up and system of IIS AIRCRAFT HA UAL INSPECTION (CONDITION.	A (Software update 2975.2 or drawing 88704. Options of gency Autoland, Configura 0, GDL 69A (SXM), GRA curfaceWatch, Ground Cluttent, GWX 8000 Enablement pleted system check out. A cembly Serialization Mark (Rivets) N/A by aircraft S/D 2017-16-03 (Aft wing spheck was good. AD's check S BEEN ANSPECTED IN (FAR 43 APPENDIX D) chael Nigro A&P3443131	loaded as follows: Systion A (GTX335, GTX 55, WX-500, Unlocks ter Suppression & Tur (Auto, GCS, &TD, Sell items checked gooding) by marking both N. Piper AD 2018-14 par) N/A by aircraft sked through bi-weekly ACCORDANCE W	stem ID X345, FS510, s: Enhanced rbulence ervice Spares , no faults. wings per -01 (Skin erial number. 2022-01. I

### ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N2LG Piper PA-46-600TP S/N: 4698156 Aircraft Total Time: 111.7 17 March 2022 Hobbs: 111.7 Complied with Piper Service Letter 1301 (Autothrottle Enablement) by applying Piper Service kit 88661-702. Installed autopilot mode controller GMC 711, S/N: 58K000594. Completed LRU software replacement per 34-25-03 and feature enablement (placed unlock card in card holder) Completed system check out of installation per 88661-702, 88704 and the Piper Maintenance Manual Chapter 34-25-03. Completed autothrottle potentiometer calibration (rigging). System checkout was good. Verified system software levels per Chapter 34-25-03, Chart 40. Ground run up and operational check good. Placed new cockpit reference guide in aircraft. No weight and balance change per service instructions. Installed a new post light assembly on top of the oxygen cabinet. Complied with Piper SL 1296 (Flap Fail Module) by installing new part number 602-275 medule, operational check good. Adjusted both aft seat back recline button arms as needed. Michael J Nigro A&P3443131 w/o 43068 Total To Carry Forward

Registration	No.		
Registration	No.	·	

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Aircraft Total Time: 180.3

N2LG S/N: 4698156 Piper PA-46-600TP

1 February 2023 Hobbs: 180.3 Landings: 110

Event 1 / Event 2 / Annual Inspection completed this date using the Piper Inspection Event work sheets Chapter 05-20-00, 05-30-00. The checklist contains at least the scope and detail of FAR 43 Appendix D. Inspected and tested Artex ELT 1000 per manufactures service instructions, FAR 91.207. WS Technologies beacon test report BT100AV triple/3195/N2LG-12-10-1 on file. ELT battery expires September 2026. Completed 30 day, 90 day, 6 month, 12 month, 24 month special inspection items. Put aircraft on jacks and ran landing gear retraction and extension checks. Checked rigging, indication, clearance and emergency extension system. Completed 100 hour / Annual lubrication schedule. Installed three new landing gar tires. Disassembled all three wheel assemblies, cleaned, inspected and reassembled

with new tires Left main 185F88-6, S/N: 22800833, Right S/N: 27760734 and new seals. Nose tire 505C01-5, S/N: 11930071 with a new inner tube. Balanced all three assemblies. Cleaned, inspected and serviced wheel bearings. Serviced tires per SL 1285C. Serviced struts with nitrogen. Ran landing gear through at least 5 fault free cycles. All landing gear operations and indications were normal. Complied with Piper SL 1286D (Nose Landing Gear Components), Adjusted Aileron, Rudder, Pitch Trim, Roll

Servo and Pitch servo cable tensions. Completed 100-hour engine mount and firewall inspection, no defects noted. Complied with Piper SL 1314 (O2 generator) by inspection, no defects. Repaired wire between pulse light relay at pulse light switch. Tightened right navigation antenna in block on the vertical stabilizer.

Completed Annual ICA for AmSafe crew air bag seat belt system, check was good. Post inspection ground run up and system check was good. Cleaned windows, vacuumed interior, treated de-ice boots. Piper AD 2022-11-10 (Wing Splice 46W57A100-001) See Airworthiness Limitation section of the maintenance manual. Wing splice life limit 3,767 hours. AD's checked through bi-weekly 2023-03. I CERTIFY THAT

THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN EVENT 1 & 2 / ANNUAL INSPECTION (FAR 43 APPENDIX D) AND WAS DETERMINED TO BE IN

AIRWORTHY CONDITIONS

Michael Nigro A&P34431311A

w/o 43950

12760 EAST N2LG	CONTROL T			RADO 80112 (303) 799-8386 Aircraft Total Time: 189.5
0 March 2023			3/11. 4090130	Aircraft Total Time: 189.5
upplied by Asp out per Aspen d	en P/N: 910-0 ocument 900-0	0003-503, S/N: 50 00003-001. Installe	1134. Completed calib d a new upper cabin d Aspen system software	d installed replacement unit as pration procedure and system check loor hydraulic cylinder. Piper e level is 2.10.2. W/O AV-04862. P3442269 CRS #ZLR6R006Y
,				

Total To Carry Forward

Registration No		
and Remarks	Signature	Certificate No.
DUNCAN N2LG Piper PA-46-4 AVIATION Academy Aero LLC SN:46981		6-9-2023
Performed the 24 month certification of the #1/2 static pressure systems. The #1/ADC's, Standby Altimeter, and automatic pressure altitude reporting system tests ATC Transponder's tests and inspection required by Title 14 CFR Part 91.413 has CFR Part 43, Appendices E and F.	required by Title 14 CFR P	Part 91.411, and the #1/#2
Tested the components listed below to RVSM standards I.A.W the Instructions of Incorporated Instructions for Initial and Continued Airworthiness for Piper McOperations within RVSM Airspace section 1.4.2 steps 1-5. Customer to perform a	odel PA-46-600TP (M600)	Airplanes Qualified for
Results of the RVSM 3D scanning test were submitted to Aeromech Incorporated	and were found to PASS.	
#1 ADC GDC-72 P/N:011-03734-00 S/N:45S000369. #2 ADC GDC-72 PN:011 1000 P/N:910-00001-501 S/N:29110 #1 Transponder GTX-335R P/N:011-0330 P/N:011-03303-00 S/N:3EH028489.	-03734-00, SN:45S000386 )1-00 S/N:3EF023584. #2	Standby Altimeter EFD- Transponder GTX-345R
The above listed equipment, altitude reporting system data correspondence, and 06/08/2023.	aircraft static system were	e tested to 30,000 feet on
The standby Aspen display altimeter did not meet the specifications listed in 91.4 LA.W the Aspen Avionics Tech Note for Air Data Calibration 2009-009 section specification listed herein in.	11. Performed a calibration 4 & 15 and found the altim	n of the Aspen EFD 1000 neter to now be within the
The above described repair or maintenance is approved for return to service. Per this repair station under Work Order #9RPLA.	tinent details of this repair/r	maintenance are on file at
	for Duncan Avionics; Engle Total Time: 220.1 To	ewood, CO 80112 otal Landings:

w/o 44376

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N2LG Piper PA-46-600TP S/N: 4698156 Aircraft Log Entry

12 June 2023 Hobbs: 220.1

Replaced exterior window edge sealant on left and right side windows and the co-pilots windshield.

Adjusted #5 seat back latch. Operational check good.

-		Aaron Peter Villery A&F 322408/	Aaron Peter Villery A&F 3224087 W/0 44370		
4.	<del>                                     </del>				
	<del></del>				
			*		
22					
Total To Carry Forward					
Carry Forward					

Registration	No			
--------------	----	--	--	--

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N2LG Piper PA-46-600TP S/N: 4698156 Aircraft Total Time: 260.6

1 February 2024 Hobbs: 260.6 Landings:

Event 1 / Event 2 / Annual Inspection completed this date using the Piper Inspection Event work sheets Chapter 05-20-00, 05-30-00. The checklist contains at least the scope and detail of FAR 43 Appendix D. Inspected / Tested Artex ELT 1000 system according to applicable Aircraft and ELT manufacturer's instructions and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No. BT100AVtriple/3195/ N2LG-01/03/2024 dated on file. ELT battery expires September 2026. Completed 30 day, 90 day, 6 month, 12 month, 24 month special inspection items. 5-30-00. Removed pilot side USB port P/N: TA202, S/N: A19-11430 and installed new port S/N: H22-13508. Applied Velcro to allow oxygen drawer to stay closed. Adjusted left rear seat spring. Installed new sealant for two lower left side passenger windows. Installed new white taillight assembly P/N: 01-0771774V02, S/N: 661114. Installed new cabin door seal P/N: 88440-002. Complied with 2 Year / 400-hour Fuel Purge System inspection and cleaned purged can, check valve, functional check good. Complied with Piper SL 1314 (O2 Generator) by verifying removal of protective covers, condition of percussion caps. Complied with Piper SB 1369 (Elevator Spar) by visual inspection, no defects noted, Put aircraft on jacks and ran landing gear retraction and extension checks. Checked rigging, indication, clearance and emergency extension system. Completed 100 hour / Annual lubrication schedule. Cleaned, inspected and serviced wheel bearings. Serviced tires per SL 1285C. Complied with Piper SL 1310A (Unpaved Field Operations) by installing nose landing gear and wheel well modification kit P/N: 88705-701 per Instructions 88705 Rev E. Complied with Piper SL 1286D (Nose Landing Gear Components) Serviced struts with nitrogen. Ran landing gear through at least 5 fault free cycles. All landing gear operations and indications were normal.

Page 1

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N2LG Piper PA-46-600TP S/N: 4698156 Aircraft Total Time: 260.6

1 February 2024 Hobbs: 260.6 Landings:

Completed Piper SL 1292C (Software version 2975.24) by updating system software from version 2975.22 to version 2975.24 per Piper Drawing 88704 Rev D. Options loaded as follows; PA46 Baseline, System ID 25EA09E3E, emergency Autoland plus autothrottle, Configuration A GTX335, GTX345 with GTS and Flighstream, Enhanced AFCS Support, Flight Stream 510, GDL 69A (SXM), GRA 55, WX-500, Splash Screen Update, Unlocks; Enhanced AFCS, Chartveiw, SVT, TAWS, TCAS-I, SurfaceWatch, Ground Clutter Suppression & Turbulence Detection, Emergency Autoland, GWX 8000, Normal use Autothrottle, CMC (M600.15). Completed system checkout and autothrottle potentiometer rigging calibration. System check out was good. Complied with Piper SB 1230 A (G3000 Check List) by updating MFD checklist to VB-2793 R13 per service instructions. Complied with Piper SB 1411 (AP Rigging) by verifying correct rigging on servos. Complied with Piper VSP 288 (Cable Retention Pins Garmin SB 22117) by installing new pins for the yaw, pitch trim and roll servo. Piper SL 1284A (Aspen EFD1000 MAX Software) verified unit has current software 2.10.2, no action required. Piper AD 2023-25-02 (Control Column) N/A by serial number. Completed Annual ICA for AmSafe crew air bag seat belt system, check was good. Post inspection ground run up and system check was good. Cleaned windows, vacuumed interior, treated de-ice boots. AD's checked through bi-weekly 2024-02. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN EVENT 1 & 2 / ANNUAL INSPECTION (FAR 43 APPENDIX D) AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Michael Nigro A&P3443131 IA

w/o 44859

Carry	Forward
,	I OI HUIL

Registration	No	

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N2LG

PA-46-600TP

S/N: 4698156

Aircraft Total Time: 288.8

8 May 2024

Hobbs: 288.8

Piper

Serviced all three struts with hydraulic fluid and nitrogen. Complied with Piper SL 1315 (Elevator Trim Tab Control Tubes) by installing new sealed P/N: 102846-005 control tubes. Serviced tires.

Micheal Nigro A&P3443131

w/o 44839 & 45189

#### ARAPAHOE AERO AVIONICS

12780 E Control Tower Rd Englewood, CO 80112 303.799.6289

N2LG Piper M600 SN: 4698156 ACTT: 288.8

May 8, 2024

Owner reports Aspen EFD 1000 shuts down randomly for roughly 15 minutes in flight. Removed and sent Aspen EFD 1000 MAX 910-00001-501, SN:29110 to Aspen Avionics for evaluation and repair under RMA 39673. They confirmed the reported issue and replaced the main circuit board. Installed Aspen EFD 1000 MAX 910-00001-501, SN:29110 per Aspen EFD1000 ICA 900-00012-001 Rev AF. No defects noted.

The aircraft and/or component identified above have been inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

FAA CRS ZL6R006Y Signed:

AV-05063

## -

## **Engine Logbook**



Volume #:	

Opened on: 2 9 SEP 2020

### **ENGINE DETAILS**

1. Manufacturer	Pratt & Whitney Canada Corp.
2. Type/Model/Series	E.T.C. E- <i>12</i> PT6A- 42A B/S: 1415
3. Serial Number	PCE- Rm0924

THIS ENGINE SERVICED WITH bp TURBO 2380 OIL AT THE PIPER FACTORY

NUMBER OF CYCLES \_\_\_\_\_\_

Section 1: Record of engine maintenance and elementary work

		_		and the same of th
Date / /	Time since new	Time since overhaul	Total cycles	Details of task
2 9 SEP 2020	0.0	NIA	0	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.
13 OCT 2020	0.0	N/A	0	"Applied Procyon corrosion inhibitor to compressor iniet case per Pratt & Whitney Maintenance Manual P/N 3021442 Chapter 72-00-00."
Aircraft S/N: 469  Aircraft Engine Mode  TTE:  Performed Engine Wash Cleaning, Engine Wash Signature:  Name: David T Wall	Reg. Nun el: PT6A-42A S/N: Cycles: ater (Wash) per Platt 021442, Chapter Sections Instructions.	8 Whitney Maintenarion 71-00-00, Power Proficate Number: AP5	Aircr  Aircr  Aircr  Perfo Manu Clear  1627416  Signa Name	raft S/N: 4698/56 Reg. Number: N8023E  raft Engine Model: PT6A-42A S/N: PCE- Rmo 92 4  Cycles: 4  Cycles: 4  Trimed Engine Water Wash per Pratt & Whitney Maintenance all Part Number 3021442 Strands Section 71-00-00, Power Plant ature:  e: David T Wallace Jr A&P Certificate Number: AP 51627416
N2LG Prat 10 June 2021 Completed 1st 50 components. Chee	Hobbs: 41.6 Hour Inspection cked and lubricate ompressor turbine eck good	PT6A-42A  per Piper form P  d engine control I	EWOOD, COLOF S/N: 4698156 /N: 765-044. Gene linkage. Checked b	RADO 80112 (303) 799-8386 Engine Total Time: 41.6  eral inspection of engine and engine belts tensions. Completed they service instructions. Ground run Scott L. Utz A&P3442269
I	I			

		Signature	AME ACA/AMO SCA/AMO
	NG/√O 35300 RPM, at 850 SHP/δ√O		
	ITT Trim: $30.7$ $C^{\circ}$	R. MAINS	
	T5 Trim Resistance: 34.4 Ohms — (1664)	Kandy Marin	T.C. 4-58 NO . 162
		cusary wins	711
		Scott Swanson	4.2
		Sent 8	4217932
		May Sugar	7211172
	ARAPAHOE AERO		$\neg$
	N2LG Pratt & Whitney PT6A-42A S/N: PCE-RM0924 En 14 January 2022 Hobbs: 95.9 Cycles:  Event 1 / Event 2 / Annual Inspection completed this date using the Piper Inspection of FAR 43 Appendix D. Completed minor and routine inspection and servinspected, cleaned and reinstalled the oil filter. Removed, inspected, cleaned and routine filter. Installed a new fuel outlet filter. Checked chip detector. Serviced combose aft of air conditioning compressor as needed to gain clearance. Adjusted romanual override on fuel control to gain clearance. Completed CT wash and rinse turbine oil. Ground run up, leak check and operational check good. AD's checked oil. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCOUNTY AND WAS DETERMATEWORTHY CONDITION.  Michael J. Nigro A&P3443131	ection Event work sheets at contain the scope and ice items. Removed, I reinstalled the P3 filter and reinstalled the fuel trol linkages. Secured futuing of fuel hose near e. Added two quart of 238 at through bi-weekly 202 DRDANCE WITH AN	el
		-	
	ARAPAHOE AERO  12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO  N2LG Pratt & Whitney PT6A-42A S/N: PCE-RM0924  I February 2023 Hobbs: 180.3 Cycles: 107  Event 1 / Event 2 / Annual Inspection completed this date using the Piper II Chapter 5-20-00, 5-30-00 and Pratt & Whitney Maintenance Manual Table 6 scope and detail of FAR 43 Appendix D. Completed minor and routine inspected, inspected, cleaned and reinstalled the oil filter. Removed, inspected  P3 filter and P3 filter housing. Checked the P3 filter drain. Removed, inspected in let filter. Installed a new fuel outlet filter. Checked chip detector. Serv. Completed CT wash and rinse. Added two quarts of 2380 turbine oil. Ground operational check good. AD's checked through bi-weekly 2023-03. I CERT HAS BEEN INSPECTED IN ACCORDANCE WITH AN EVENT 1 & 2  APPENDIX D) AND WAS DETERMINED TO BE IN AIRWORTHY COMPLETED	nspection Event work shall. Check list contain the oction and service items. Ed, cleaned and reinstalled ed, cleaned and reinstalled iced control linkages. If run up, leak check and IFY THAT THIS ENGINE INSPECTION (FAR 4 CONDTION.	eets e d the ed the
7			
-			
		_	

Section 1: Record of engine maintenance and elementary work

Date	Time since new	Time since overhaul	Total cycles	Details of task
1   E   C   th   Property   C   C   C   C   C   C   C   C   C	Pratt & February 2024 vent 1 / Event 2 / A hapter 5-20-00, 5-30 e scope and detail of ratt & Whitney servi emoved, inspected, can detector. Service agine inlet, no defect ompleted CT wash a 522 (Ignition cable stion required. Ground 24-02. I CERTIFY N EVENT 1 & 2 IN	Hobbs: 260.6  nnual Inspection 1-00 and Pratt & W f FAR 43 Appendice instructions Ta cleaned and reinsta cleaned and reinsta d control linkages is noted. Installed and rinse. Added to assembly) by inspend run up, leak che THAT THIS EN ISPECTION (FA	Cycles: completed this da hitney Maintenan ix D. Completed m ble 601. Removed alled the P3 filter a alled the fuel inlet Completed bores two new oil seals: wo quarts of 2380 section of ignition eck and operationa NGINE HAS BEE	AERO OOD, COLORADO 80112 (303) 799-8386 PCE-RM0924 Engine Total Time: 260.6  te using the Piper Inspection Event work sheets ce Manual Table 601. Check lists contain at least sinor and routine inspection and service items per inspected, cleaned and reinstalled the oil filter. and P3 filter housing. Checked the P3 filter drain. filter. Installed a new fuel outlet filter. Checked cope inspection of 1st stage compressor and for the air conditioner / alternator accessory drive. turbine oil. Complied with Pratt & Whitney SB lead date codes 4L19 and 4A20 are installed, no I check good. AD's checked through bi-weekly EN INSPECTED IN ACCORDANCE WITH EX D) AND WAS DETERMINED TO BE IN
A	IRWORTHY CON	DTION.	Michael	J. Nigro A&P3443131 w/o 44859



## PROPELLER LOGBOOK

PROPELLER MODEL 5 D3 - N338 A I

PROPELLER S/N SF 266

LOGBOOK #\_\_

Date	Prop TSN	oeller TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	Pr	ത്രമ	Mer	Loa
Date:	11/16	120	Hobbs	Log
l.				g. Number: <u>N 8023E</u>
		_		s/n: SF 266
				ner's Manual 486.
Perfor	med Lubr	rication of	6-16 Prop by 1	Manufacturer during Flight
	g with N' operation		058 per la	Vel on Proposition 1 to 2
	ure:	Wallace	IR ARP C	certificate Number: AP51627416
	er			RAFT, INC.
			F	
	(			
		-		
	(	Ó		
				ARAPAHOE AERO
	- 12 N2L	_	ST CONT	ROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
	10 J	une 2021	H	Hobbs: 41.6 r Inspection per Piper form P/N: 765-044. General inspection of propeller,
	bulk	head and ational te	spinner	Sompleted propeller lubrication. Completed propeller heat inspection and Scott L. Utz A&P3442269
			12317	9
	. —		V.	ARAPAHOE AERO
		2760 EAS		TROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 tzell 5D3-N338A1 S/N: SF266 Propeller Total Time: 95.9
	14 J	anuary 2	022	Hobbs: 95.9 Inual Inspection completed this date using Piper Inspection Event work sheets
	Cha	pter 5-20-	-00 as a g	uide. Check lists contain at least the scope and detail of FAR 43 Appendix D. ner's Manual 486. Completed Annual Propeller Lubrication (Nyco grease).
	Com	pleted pr	opeller h	eat inspection. Checked hub, blades, spinner and bulkheads. Ground run up, d. AD's checked through bi-weekly 2022-01. I CERTIFY THAT THIS
	PRO	PELLE	R HAS I	BEEN INPSECTED IN ACCORDANCE WITH AN EVENT 1 & 2 43.APPENDIX D) AND WAS DETERMINED TO BE IN AIRWORTHY
		NDITIO		Michael J. Nigro A&P34431331 w/o 42898

	1	pare last	Decomples of all controlling participating to Alice	orbinoso Directivos;						
Date	TE	12760 FAST CONTROL		Plensif and Installations.						
	-	N2LG Hartzell	TOWER ROAD ENGLEWOOD, COLORADO 801 5D3-N338A1 S/N: SF266 Propell	er Total Time: 180.3						
		1 February 2023 H	obbs: 180.3							
	Event 1 / Event 2 / Annual Inspection completed this date using Piper Inspection Event work sheets Chapter 5-20-00, 5-30-00 as a guide. Check lists contain at least the scope and detail of FAR 43 Appears									
_	-		r's Manual 486. Completed Annual Propeller Lubrica							
			spection. Checked hub, blades, spinner and bulkheads							
		396 (Propeller Hub) applie	s to this propeller. Compliance time is the next over	haul November 2026 or						
_			operational check good. AD's checked through bi-w							
			ROPELLER HAS BEEN INPSECTED IN ACCO ON (FAR 43 APPENDIX D) AND WAS DETERM							
		AIRWORTHY CONDITION								
	_	Mill	Michael J. Nigro A&P34431331	w/o 43950						
	-	1 1 1 72								
			ARAPAHOE AERO							
			L TOWER ROAD ENGLEWOOD, COLORADO 80							
		N2LG Hartzell 2 February 2023 Ho		eller Total Time: 181.7						
	-		obbs: 181.7  er balance using the Aces system. Beginning reading	was 59 IPS Added 23.6						
		grams at 1,55 degrees and 2.	3.6 at 185 degrees. Final reading was .05 IPS.							
		AALT	Scott L. Utz A&P3442269	w/o 44023						
_										
		W. Comment								
			TO A TAXON ANDO							
		O TO THE PART OF T	ARAPAHOE AERO TOWER ROAD ENGLEWOOD, COLORADO 80112	2 (303) 799-8386						
			5D3-N338A1 S/N: SF266 Propeller	Total Time: 260.6						
		1 February 2024 Hobbs: 260 6								
	1 1	Cont 1 / Front 2 / Annual I	nspection completed this date using Piper Inspection	Event work sheets						
		Classics 20 00 5 20 00 as a guide Check lists contain at least the scope and detail of FAR 45 Appendix								
		D. Reference Hartzell Owner's Manual 486. Completed Annual Propeller Lubrication (NYCO GN3058 grease). Installed six new harness assemblies in accordance with Hartzell Manual 180, Rev 42, December								
	1 1	2022 Completed propeller he	at inspection. Checked hub, blades, spinner and bulki	leads. Ground run up,						
		2023. Completed propeller heat inspection. Checked hub, blades, spinner and bulkheads. Ground run up, operational check good. AD's checked through bi-weekly 2024-02. I CERTIFY THAT THIS								
	-1	- I PRODELLED HAS REEN INPSECTED IN ACCORDANCE WITH AN EVENT 1 & 2								
		INSPECTION (FAR 43 APPENDIX D) AND WAS DETERMINED TO BE IN AIRWORTHY								
		CONDITION /	Michael J. Nigro A&P3443131	w/o 44859						
	— -									
	$\vdash$									
	$\vdash$	+ + -								
	-									