

COSTRUZIONI AERONAUTICHE TECNAM



AIRCRAFT LOG BOOK



AIRCRAFT LOG BOOK

SECTION
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1

<i>Aircraft</i>	
Type of Aircraft	P-Mentor
Manufacturer	Costruzioni Aeronautiche Tecnam S.p.A.
Registration Marks	N224PM
Manufacturer's No.	1086/US
Place and date of Manufacturing	Capua - 2024
Date of Issue	29/03/2024
Type Certification Data Sheet No.	TCDS A000671B_Rev 1

[illegible]



AIRCRAFT LOG BOOK

A/C Registration Marks

N224PM

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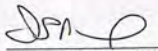
Aircraft History Record

Date	A/c TSN	A/c CSN	Remarks			Authoriz. Sign
20/02/2024	0	0	BRP-Rotax GmbH 912 iSc3 Sport 359120533	S/n	10002419	<i>[Signature]</i>
26/03/2024	0	0	MT Propeller 21-A/180-51	MTV- S/n	240348	<i>[Signature]</i>
29/03/2024	0	0	Static pressure system and altimeter instruments has been tested and inspected in according to Appendix E and F FAR part 43			<i>[Signature]</i>
29/03/2024	0	0	Automatic Pressure Altitude has been tested, inspected and found to comply to Appendix E FAR part 43 and 14CFR § 91.217 a (2)			<i>[Signature]</i>
29/03/2024	0	0	ATC Transponder has been tested and inspected and found to comply to Appendix F of FAR Part 43			<i>[Signature]</i>
29/03/2024	0	0	Weight			<i>[Signature]</i>
04/04/2024	1hr 10'	1	Production Flight test			<i>[Signature]</i>
05/04/2024	3hr 00'	3	Production Flight test			<i>[Signature]</i>
08/04/2024	3hr 20'	4	Production Flight test			<i>[Signature]</i>

28 Jun 2024 N224PM SN: 1086/US AFTT: 5.4 ENG. TSN: 5.4 PROP. TSN: 5.4
ENG. SN: 10002419

I certify this aircraft has been assembled Post Shipment in accordance with Tecnam
Maintenance Manuals. Complied with FAR 91.207 (c) ELT battery expires 12/2029. Leak and
Operational check, found to be in a safe and operational condition at this time.
END

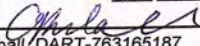
Joshua S. Noel
A&P IA 3017331


Rotax Cert. 41013210117-2930

DATE: 07/01/2024 T.T. 005.4 hrs

I certify that I have inspected this aircraft and have
determined that it meets the requirements for the
certificate requested. I have issued a Standard
Airworthiness Certificate in the NORMAL
category.

The next inspection is due 08/01/2025


Albert Kimball DART-763165187

Sarasota Avionics PGD
27220 Airport Rd, Bldg #211
Punta Gorda, FL 33982
Date: 6/29/2024 Work Order: 408085WA
N224PM P-MENTOR SN: 1086/US TACH: 5.4 Hrs



Pilot Altimeter GSU 25c (011-02929-50 SN:5Q3101563) and Standby Altimeter GI 275
(PN:011-04489-00 SN:5MZ119087) have been tested to an altitude of 20,000 feet and were
found to comply with App E of 14 CFR 43. The Automatic pressure altitude reporting
equipment GSU 25c (011-02929-50 SN: 5Q3101563) was tested and found to comply with
App E of 14 CFR 43, and calibration is in compliance with 14 CFR 91.217. The transponder
GTx 345R (PN: 011-03303-01 SN:3EH044590) was tested, inspected and found to comply
with App F of 14 CFR 43 and 14 CFR 91.413. The Static Pressure system was tested and
inspected in accordance with 14 CFR 91.411.
I certify all work done to the aircraft and/or component identified above was done in
accordance with current regulations of the Federal Aviation Administration and was found
approved for return to service with respect to the work performed.

 for Sarasota Avionics Inc. CRS S0QD632X



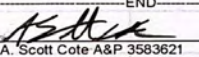
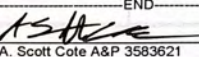
AIRCRAFT LOG BOOK

A/C Registration Marks

N224PM

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Aircraft History Record

Date	Authoriz. Sign
 DATE: 20AUG2024 TAIL NUMBER: N224PM TOTAL TIME: 22.8 - Calculated new weight and balance due to wheel pants being removed from aircraft. All work performed IAW Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and standard maintenance practices. END  A. Scott Cote A&P 3583621	
 DATE: 20AUG2024 TAIL NUMBER: N224PM TOTAL TIME: 22.8 Idle is too high. - Removed throttle and prop control cover. Adjusted airframe low throttle stop as required to set idle to 730 propeller rpm. Adjusted idle stop on engine to match idle position in cockpit. Reinstalled throttle and prop control cover. All work performed IAW Rotax IM-912i P/N 898648 Rev. 1, Rotax OM-912i P/N 898741 Rev. 1, and Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023, and standard maintenance practices. END  A. Scott Cote A&P 3583621	

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A/C Registration Marks

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N224PM

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Aircraft History Record

A/c TSN	A/c CSN	Remarks	Authoriz. Sign
		Vermont Flight Academy DATE: 10OCT2024 TAIL NUMBER: N224PM TOTAL TIME: 23.3	
		trim actuator indication does not indicate correct position to trim tab. Inspected actuator assembly. Upon removing the heat shrink from the connector actuator. Found connection pins rusted due to water getting inside from heat shrink being sealed. Airframe side wire spiral wrap protectant. Notified factory of findings. Removed actuator S/N: 0003262. Installed NEW actuator P/N: 22-9-3987-000 S/N: 0003516. Adjusted trim rigging per P-Mentor Maintenance Chapter 27-40-00. Reinstalled tail cone & reinstalled trim tab control rod as required.	
		performed IAW Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and standard best practices.	
		END <i>[Signature]</i> Toughen, G&P 2495125	

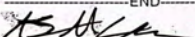
8. Part No
22-9-3987-0

7. Description
PITCH TRIM ASSY

6.

1



Date	Authoriz. Sign
 DATE: 11OCT2024 TAIL NUMBER: N224PM HOBBS: 23.5 Airframe due 25 HR INSPECTION. - Opened airframe to gain access for 25 HR inspection as required. Complied with inspection items noted for 25 HR inspection IAW P-Mentor Maintenance Manual Chapter 5-20-00 checklist. - Inspected gascolator case for condition. No defects noted at this time - Performed landing gear torque check. - Inspected powerplant items as required. No defects noted at this time. - Reinstalled cowlings and airframe panels as required. All work performed IAW Rotax MML-912i Ed. 2 Rev. 2 01MAY2023 P/N 898743, Rotax MMH-912i Ed. 1 01JUL2012 P/N 898751. Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023, and standard maintenance practices. -----END-----  A. Scott Cote A&P 3583621	



AIRCRAFT LOG BOOK

A/C Registration Marks

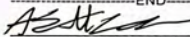
N224PM

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Aircraft History Record

Date	A/c TSN	A/c CSN	Remarks	Authoriz. Sign
		DATE: 21OCT2024 TAIL NUMBER: N224PM TOTAL TIME: 34.7		
	Pilot reported coolant level low. - Removed top cowl and inspected for leaks, no defects noted at this time. Serviced with ZEREX G48 Coolant as required. Reinstalled top cowl. All work performed IAW Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and Standard Maintenance Practices.			
	-----END-----			
	 Miles N. Clorkey A&P 4849380			
		DATE: 30OCT2024 TAIL NUMBER: N224PM HOBBS: 49.6		
	Airframe due 50 HR INSPECTION. - Removed cowl and forward wing root fairing to gain access for 50-hour inspection as required. Complied with inspection items noted for 50 HR. - Confirmed main landing gear attach bolt torque within limits. Next check due @ 100.0 - Reinstalled cowl and forward wing root fairing as required. - Complied with 782-CS by inspection of engine mount, installation of rubber protection tube P/N: 22-10-3004-1 and metal protection shield P/N: 22-10-3006-1 on LH and RH sides as indicated in the SB.			

All work performed IAW Rotax MML-912i Ed. 2 Rev. 2 01MAY2023 P/N 898743, Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023, SB 782-CS Ed.1 Rev.0, and standard maintenance practices.

-----END-----

A. Scott Cote A&P 3583621

This PMA part is not a critical component. (Cross che

☒ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 12.

13b. Authorized Signature:

13d. Name (Typed or Printed):
Brentain Alexander

It is important to understand that the existence of this document alone does not

A/c

Docusign Envelope ID: F120D81C-BB6D-4A65-8DF6-713F5A05DB9C

TECNAM
P-Mentor
N224PM
S/N: 1086/US
12/07/2024



The following work was performed using Tecnam P-Mentor Maintenance/inspection manual AMM P-Mentor Ed.1 Rev.3, and Rotax 912S MMH-912 IS Series, issue 2 Rev 0 DTD 28.06.2024. Complied with the following SB: SB780K3, SB801K3, SB804K3, SB803K3, SB802K3, and Tecnam Job cards; 2055 Ed 1 Rev 0, Alternate battery installation (Concorde RG-25-XC) 2117 Ed 1 Rev 0, External alternator installation 2233 Ed 1 Rev 0, Pitch trim actuator connector Optimization 2232 Ed 1 Rev 0, NLG & Shock absorber bushing replacement 2231 Ed 1 Rev 0, NLG Support clamps installation 2234 Ed 1 Rev 0, Canopy hinge replacement Aircraft ground ran, Ops Chk, OK, Aircraft returned to service.

DocuSigned by:

Alexander Rolinski

6642C47E093D457...
Alex Rolinski A&P 3615259 IA

Authoriz.Sign



AIRCRAFT LOG BOOK

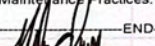
A/C Registration Marks

N224PM

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Aircraft History Record

Date		Authoriz. Sign
	 DATE: 11DEC2024 TAIL NUMBER: N224PM TOTAL TIME: 74.3 - Calculated new weight and balance due to external alternator assembly installation. All work performed IAW Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and standard maintenance practices. END _____  A. Scott Cote A&P 3583621	
	 DATE: 12DEC2024 TAIL NUMBER: N224PM TOTAL TIME: 74.3 Observed coolant level low. - Removed top cowl and inspected for leaks, no defects noted at this time. Serviced with ZEREX G48 Coolant as required. Reinstalled top cowl. All work performed IAW Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and Standard Maintenance Practices. END _____  Miles N. Ciolek A&P 4849380	



Date

Vermont

Flight Academy

DATE: 28FEB2025

TAIL NUMBER: N224PM

TOTAL TIME: 99.0

AIRCRAFT TT: 99.0

ENG TT: 99.0

PROP TSN: 99.0

ENG TSN: 99.0

PROP TSN: 99.0

TACH HOURS: N/A

Authoriz. Sign

AIRFRAME due 100 HR INSPECTION

Removed cowl, disconnected alternate air cable, and removed necessary access panels. Inspected and lubricated in accordance with Tecnam P-Mentor Aircraft Maintenance Manual and FAR43app(d)

- Disconnected alt stabilator trim connection to remove fairing. Found upper trim control rod was not tightened correctly. Tightened loose connection. Reconnected alt connection after maintenance and verified correct and free movement.

- Removed nose wheel for other maintenance. Verified and adjusted wheel half torque to proper values and serviced tire to correct pressure. Reinstalled nose wheel after other maintenance complete.

- Verified main landing gear wheel half bolt torque values and torque sealed. Serviced main tires to correct pressures.

- Checked gascolator screen, no defects noted. Reinstalled gascolator bowl with NEW O-ring P/N. ORO375.

- Confirmed torque of MLG attachment bolts

- Removed induction air filter. Cleaned, inspected, reoiled, and reinstalled filter.

- Removed fine fuel filter. Found one fitting cross threaded. Installed NEW fitting P/N: 22-9-254-1. Installed NEW fuel filter P/N: 0450905021 and leak checked.

- Found engine mount safeties nonstandard. Resafeted engine mount bolts on RH and LH side.

- Found slight amount of rust at weld points on fuselage tubular structure. Applied ACF-50 per Tecnam technical support.

- Found nose gear had play. found bushings loose in assembly due to improper modification. Removed nose gear assembly and shock absorber. Installed NEW nose gear assembly with factory installed bushings P/N: 22-8-4150-00 and NEW shock absorber P/N 22-8-3110-00 in accordance with Tecnam Job Card 2232 Shock 1 Rev 0 NLG & Shock Absorber Bushing Replacement and Tecnam Job Card 2231 Shock 1 Rev 0 NLG Shock Clamps Installation

Reinstalled cowl and access panels. Reconnected alternate air cable and confirmed operation. Performed leak and operational check. No defects noted at this time.

All work performed IAW Tecnam P-Mentor Aircraft Maintenance Manual 2002/1033, Ed. 1, Rev. 3 17JUL2023, Beringer Brake Servicing Manual SM-01 Rev. 6 11OCT2023, Beringer Wheel Servicing Manual SM-02 Rev. 6 02JUN2023, and standard maintenance practices.

I certify that this AIRFRAME has been inspected in accordance with a 100 HR INSPECTION and was determined to be in airworthy condition.

END

A. Scott Cote A&P 3583621

END OF AIRFRAME LOG #1

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11224PM
Loc 2



The Standard
AIRCRAFT LOG

ASA-SA-1

Aircraft Record General Information

Manufacturer TECNAM Model P-MENTOR

Serial 1086/US Registration Number N224PM

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer _____ Model _____ Serial _____

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE: 07APR2025 TAIL NUMBER: N224PM HOBBS: 146.8

Airframe due 50 HR INSPECTION.

- Removed cowling and forward wing root fairing to gain access for 50-hour inspection as required. Complied with inspection items noted for 50 HR.
- Confirmed main landing gear attach bolt torque within limits.
- Reinstalled cowling and forward wing root fairing as required.

All work performed IAW Rotax MML-912i Ed. 2 Rev. 2 01MAY2023 P/N 898743, Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023, and standard maintenance practices.

-----END-----

A. Scott Cote
A. Scott Cote A&P 3583621

DATE: 22APR2025 TAIL NUMBER: N224PM TOTAL TIME: 170.5

END

Jeffrey B. Houghton A&P 2495125

[illegible]

YEAR
20
DATE



DATE: 30JUN2025
TAIL NUMBER: N224PM
TOTAL TIME: 198.5

AIRCRAFT TT: 198.5
ENG TT: 198.5
PROP TSN: 198.5

ENG TSN: 198.5
PROP TSN: 198.5
TACH HOURS: N/A

AIRFRAME due 100 HR INSPECTION

Removed cowling, disconnected alternate air cable, and removed necessary access panels. Inspected and lubricated in accordance with Tecnam P-Mentor Aircraft Maintenance Manual and FAR43app(d).

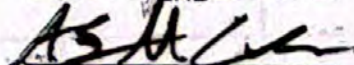
- Disconnected aft stabilator trim connection to remove fairing. Disconnected trim connector to check for corrosion. OK at this time. Reconnected connector. Reconnected aft trim connection after maintenance and verified correct and free movement.
- Removed all wheels and brake assemblies, inspected, and reinstalled. Serviced all tires with air.
- Checked gascolator screen, no defects noted. Reinstalled gascolator bowl with NEW o-ring P/N: ORO375.
- Confirmed torque of MLG attachment bolts.
- Removed induction air filter. Cleaned, inspected, reoiled, and reinstalled filter.
- Removed fine fuel filter. Installed NEW fuel filter P/N: 0450905021 and leak checked.
- Removed alternator belt for propeller maintenance. Reinstalled belt, tensioned, and safetied alternator bolts after propeller maintenance completed.
- Found slight amount of rust at weld points on fuselage tubular structure. Removed corrosion and reapplied ACF-50.
- Found main fuel pump switch loose and guard unable to close. Adjusted switch position and tightened. Guard now able to close fully.
- Found LH aileron aft rod end bolt loose. Tightened and resafetied.
- Found #4 exhaust riser leaking exhaust at muffler connection due to poor fit. Removed muffler and all four risers. Installed NEW muffler P/N: 22-10-3102-000 and four NEW risers P/N: 22-10-3110-000, 22-10-3120-000, 22-10-3130-000, 22-10-3140-000 per Tecnam technical support suggestion.

Reinstalled cowling and access panels. Reconnected alternate air cable and confirmed operation. Performed leak and operational check. No defects noted at this time.

All work performed IAW Tecnam P-Mentor Aircraft Maintenance Manual 2002/1033, Ed. 1, Rev. 4 03MAR2025, Beringer Brake Servicing Manual SM-01 Rev. 6 11OCT2023, Beringer Wheel Servicing Manual SM-02 Rev. 6 02JUN2023, Rotax MMH-912 I Ed. 2, Rev. 0 01JUN2024, Rotax MML-912 I Ed. 2, Rev. 2 01MAY2023, and standard maintenance practices.

I certify that this **AIRFRAME** has been inspected in accordance with a **100 HR INSPECTION** and was determined to be in airworthy condition.

END


A. Scott Cote A&P 3583621



DATE: 30JUN2025	AIRCRAFT TT: 198.5	ENG TSN: 198.5
TAIL NUMBER: N224PM	ENG TT: 198.5	PROP TSN: 198.5
TOTAL TIME: 198.5	PROP TSN: 198.5	TACH: N/A

AIRFRAME due ANNUAL INSPECTION

Removed cowlings, disconnected alternate air cable, and removed necessary access panels. Inspected and lubricated in accordance with Tecnam P-Mentor Aircraft Maintenance Manual and FAR43app(d).

Reinstalled cowlings and access panels. Reconnected alternate air cable and confirmed operation. Performed leak and operational check. No defects noted at this time.

All work performed I/AW Tecnam P-Mentor Aircraft Maintenance Manual 2002/1033, Ed. 1. Rev. 4 05MAR2025, and standard maintenance practices.

I certify that this AIRFRAME has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

AID

Jeffrey L. Houghton A&P 2495125 IA

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



DATE: 30JUN2025 TAIL NUMBER: N224PM TOTAL TIME: 198.5

Performed ELT functionality test. No defects noted at this time

END

Owen D. Shannon A&P4671719

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of the Pilot(s)
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Airframe Logbook Entry
 N224PM C.A.T. P-Mentor S/N 1086
 Work Order: CRS11048
 February 27, 2026
 Hobbs: 203.5



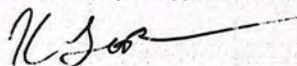
CRS # IGXR989E

Pilot reports airspeed and altitude errors in flight: Connected air data test set for pitot/static systems evaluation. Pitot system function tests normal. Static system has complete plumbing blockage between static ports and air data equipment. Accessed air data units and removed static lines. Applied pressurized air to fuselage static plumbing and ports and observed debris being ejected from both static ports. Reconnected static lines to airdata units. Primary and secondary air data displays function test normal. Static system leak rate meets requirements of FAR Part 43 Appendix E.

The aircraft and/or article identified above was repaired and inspected in accordance with current Federal Aviation Regulations and found airworthy for return to service in respect to the work performed.

Thomas MacArthur Thomas MacArthur CRS# IGXR989E

[illegible]

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Tail Number: N224PM WO: 267 Date: 04-21-2026 Model: P-MENTOR Serial: 1088/US Tach: 223.0 Aircraft Total Time: 223.6 Logbook: Airframe  FLIGHTGEST ACADEMY FlightGest Academy, 1725 E International Dr., Morrisville, NC, 27560 04/21/26 Repairs / Maintenance Replaced exhaust springs (P/N: 73505) with new IAW Tecnam P-Mentor MM 78-10-00 and with guidance provided by Tecnam technical support in email dated Friday April 10, 2026 7:30:02 AM (Ref: Email correspondence with Giulio D'ambrosio). No defects noted at this time, OK for continued service. <i>This aircraft and/or component(s) was/were repaired and inspected IAW current FAA regulations and was found Airworthy for return to service</i> Sign:  Katelyn LaPoint Certificate A&P 4043463 Date: 04-