

ROTAX.

ENGINE LOG BOOK

NO.:

M6-758

FOR ROTAX 2-STROKE AND 4-STROKE AIRCRAFT ENGINES

EDITION: 2020 07 01 | PART NO.: 898023



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Engine Log Book No.: **110-758** for piston engine

Type of engine: **912** Model: **iSc3 Sport** Engine serial no.: **10.002.419**

Manufacturer: **BRP-Rotax GmbH & Co KG**
A-4623 Gunskirchen, Austria Year of manufacture: **04.07.2023**

Data sheet: **EASA.E.121**

Take off power: **73,5** kW perm. duration: **5** min. at: **5800** r.p.m

Max. cont. power: **72** kW at: **5500** r.p.m.

The above mentioned engine is considered to be operationally reliable if operated and maintained in accordance with the Civil Aircraft and Civil Aviation Equipment Order, current issue and the pertinent operational and maintenance instructions.

For relevant Airworthiness Directives (AD) see EASA Website and also check with your local aviation authority (e.g. EASA, FAA TC, CAA,...).

Remarks: **The engine was tested and delivered without governor.**

For Instructions of Continued Airworthiness (ICAs) like e.g. relevant Service Bulletins etc. see the current SL-2ST-013, SL-912-021, SL-914-019 List of Applicable Publications for ROTAX Aircraft Engines and its reference to ROTAX® Aircraft Engines website www.flyrotax.com

Date: **08.07.2023**

Signature:

BRP-Rotax GmbH & Co KG
AT 21 G.0006
R. Freinberger 31420

Engine installation record:

[illegible]

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SB-Status

Status of Airworthiness Directives or modifications effective at 0 hours and at the time of production.

Date:

Signature &
Licence no.:applicable SB: none.optional SB: none.

not applicable:

912 i-001r1, 912 i-006, 912 i-007, 912 i-008r1, 912 i-009, 912 i-010, 912 i-011r1, 912 i-012, 912 i-013.

08. 07.
2023

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AT 21 G.00Q6
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applicable AD: none

not applicable / performed AD:

2017-0101-E: Ignition – Ignition House Sealing Plug – Inspection; Note: according to the production date - installed parts are not affected;

2017-0208; ATA 72 – Reciprocating Engine – Valve Push Rod Assembly – Inspection / Replacement; Note: installed parts are not affected;

2019-0253-E: ATA 73 – Engine fuel and Control - Fuel Pump Assembly - Replacement - installed parts are not affected;

08. 07.
2023

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AT 21 G.00Q6
R. Freinberger 31420

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Maintenance record

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	Total: TSN:	since last overhaul: TSO:		
08.07.2023	0	-	Individual examination performed	BRP-Rotax GmbH & Co KG AT-21 G-0006 R. Freinberger 31420



DATE: 20AUG2024 TAIL NUMBER: N224PM HOBBS: 22.8

Engine requires hydraulic valve tappet check for correct purging.

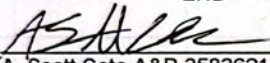
- Removed cowling, all 4 valve covers and all bottom spark plugs.
- Performed hydraulic valve tappet check I/A/W Rotax 912i series installation manual Rev.1 P/N 898648, 79-00-00 page 24. No defects noted at this time.
- Reinstalled all bottom spark plugs, all valve covers and engine cowling. Performed operational and leak check. OK at this time.

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. Scott Cote A&P 3583621

Maintenance record:

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
 DATE: 23AUG2024 TAIL NUMBER: N224PM TOTAL TIME: 23.0				
Clamp on governor oil line rubber tearing off. - Removed top cowling. Removed clamp. Installed NEW clamp P/N: 853-418. Reinstalled top cowling. - Performed run up and leak check, OK at this time.				
All work performed IAW Rotax MMH-912i Ed. 2 Rev. 0 01JUN2024 P/N 898752, Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023, and standard maintenance practices.				
-----END-----  A. Scott Cote A&P 3583621				

Maintenance record:

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		

DATE: 11OCT2024 **TAIL NUMBER:** N224PM **HOBBS:** 23.5

Engine due **25 HR INSPECTION**.

- Removed cowling to gain access for 25 HR inspection. Complied with 25 HR inspection items per Rotax Maintenance Manual Chapter 5-20-00.
- Removed magnetic plug. Inspected, no defects noted at this time. Reinstalled magnetic plug and safetied.
- Removed oil tank. Drained oil, disassembled, and cleaned tank components. Reassembled tank and filled with 3 liters of Aeroshell Sport Plus 4 oil. Reinstalled tank on airframe.
- Removed oil filter. Cut filter, trace metal observed, expected for new engine. Installed new oil filter P/N: 825-016.
- Reinstalled cowling. Run up and leak check performed. No defects noted at this time.

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&P 3583621

END



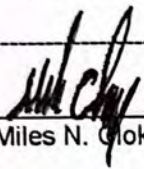
DATE: 21OCT2024 TAIL NUMBER: N224PM TOTAL TIME: 34.7

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 I/A/W Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and Standard Maintenance Practices.

-----END-----


Miles N. Chokey A&P 4849380



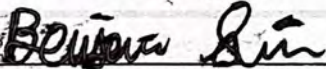
DATE: 28OCT2024 TAIL NUMBER: N224PM TOTAL TIME: 46.2

Aircraft found with puddle of coolant under it in hangar.

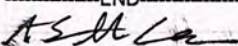
- Removed top cowl and inspected for leaks. Found inlet line to water pump leaking at pump connection. Tightened attaching clamp. Performed operational and leak check. OK at this time.

All work performed I/A/W Tecnam Maintenance Manual #2002/1033 Ed.1 Rev. 3 17JUL2023 and Standard Maintenance Practices.

-----END-----


Benjamin V. Swain A&P 3883183

Maintenance record:

Date:	Engine hours:	Work performed:	Signature & Licence no.:
		DATE: 28FEB2025 AIRCRAFT TT: 99.0 TAIL NUMBER: N224PM ENG TT: 99.0 TOTAL TIME: 99.0 PROP TT: 99.0	ENG TSN: 99.0 PROP TSN: 99.0 TACH: N/A
ENGINE due 100 HR INSPECTION Removed cowling and performed inspection in accordance with P-Mentor Aircraft Maintenance Manual chapter 05-20-00 and Rotax 912 i Series MML chapter 05-20-00. - Downloaded ECU fault memory. - Performed compression test. Compressions at this time: #1) 86/87 #2) 86/87 #3) 86/87 #4) 86/87. - Removed, disassembled, cleaned, inspected, and reinstalled oil tank. Serviced with 3L Aeroshell Sport Plus 4 oil. Removed oil filter and inspected filter element. Trace metal noted at this time. Installed NEW Rotax oil filter P/N: 825-016. Pre-oiled engine. - Removed magnetic plug and inspected, slight metallic material noted within limits. Reinstalled magnetic plug, torqued, and safetied. - Removed all 8 spark plugs, cleaned, and inspected for condition. Reinstalled all 8 spark plugs in original locations. - Found slight oil leak at oil pump fitting. Installed NEW gasket P/N: 430-622 and torqued. - Performed pressure purge in accordance with Rotax SI-912 i-004R3. Removed all rocker covers and checked lifters, all OK at this time. Reinstalled rocker covers and torqued. Service bulletins complied with at this inspection are as follows: - C/W Rotax SB-912 i-016 Inspection and/or replacement of oil spray nozzle. Nozzle flow rate tested at 6 L/min. - C/W Rotax SB-912 i-015 Inspection and/or replacement of expansion tank assembly. All welds appear correct. Reinstalled cowling. Performed leak & operational check. No defects noted at this time. Performed run up and leak check, no defects noted at this time. All work performed IAW Rotax MML-912 i Ed. 2, Rev. 2 01MAY2023, Tecnam P-Mentor Aircraft Maintenance Manual 2002/1033 Ed. 1, Rev. 3 17JUL2023, and standard maintenance practices. I certify that this ENGINE 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:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
		DATE: 07APR2025 TAIL NUMBER: N224PM HOBBS: 146.8 Engine due 50 HR INSPECTION. - Removed cowling. Complied with 50-hour inspection items per Rotax Maintenance Manual Chapter 5-20-00. - Removed oil tank. Drained oil, disassembled and cleaned tank components. Reassembled tank and serviced with 3 liters of Aeroshell Sport Plus 4 oil. Reinstalled tank. - Removed oil filter. Cut filter and inspected filter element, nothing noted. Installed new oil filter P/N: 825-016. - Removed bottom spark plugs and pre-oiled engine as required. Reinstalled bottom spark plugs. - Reinstalled cowling. Run up and leak check performed. No defects noted at this time. 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&P 3583621		



DATE: 30 JUN 2025	AIRCRAFT TT: 198.5	ENG TSN: 198.5
TAIL NUMBER: N224PM	ENG TT: 198.5	PROP TSN: 198.5
TOTAL TIME: 198.5	PROP TT: 198.5	TACH: N/A

ENGINE due 100 HR INSPECTION & 200 HR INSPECTION

Removed cowl and performed inspection in accordance with P-Mentor Aircraft Maintenance Manual chapter 05-20-00 and Rotax 912 i Series MML chapter 05-20-00

- Downloaded ECU fault memory
- Performed compression test. Compressions at this time: #1) 86/87 #2) 86/87 #3) 86/87 #4) 86/87
- Removed, disassembled, cleaned, inspected, and reinstalled oil tank. Serviced with 3L Aeroshell Sport Plus 4 oil. Removed oil filter and inspected filter element. Trace metal noted at this time. Installed NEW Rotax oil filter P/N: 825-016. Pre-oiled engine
- Removed magnetic plug and inspected, slight metallic material noted within limits. Reinstalled magnetic plug, torqued, and safetied.
- Removed all 8 spark plugs. Installed 8 NEW spark plugs P/N: 297-656
- Found cylinder #3 bottom spark plug boot loose. Reinstalled boot
- Removed all rocker covers to check for proper purging IAW Rotax SI-912 i-004R3. Check OK at this time. Reinstalled all rocker covers with NEW o-rings P/N: 250-285 and P/N: 430-205
- Propeller flange found with rust. Removed propeller. Removed rust and applied protective coating. Reinstalled propeller with NEW o-ring P/N: C-048-A. Work done IAW Rotax SI-912 i-033 13 JUN 2024, Rotax MMH-912 i Ed. 2, Rev. 0 01 JUN 2024 and MT Propeller Operation and Installation Manual E-124 Issue 73 15 MAY 2024

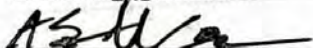
Reinstalled cowl. Performed leak & operational check. No defects noted at this time.

Performed run up and leak check. no defects noted at this time. All work performed IAW Rotax MML-912 i Ed. 2, Rev. 2 01 MAY 2023. Tecnam P-Mentor Aircraft Maintenance Manual 2002/1033 Ed. 1, Rev. 4 03 MAR 2025, and standard maintenance practices.

I certify that this **ENGINE** has been inspected in accordance with a **100 HR INSPECTION** and **200 HR INSPECTION** and was determined to be in unairworthy condition pending correction of the following discrepancy:

- Compliance with AD2025-07-02

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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 TT: 198.5	TACH: N/A

ENGINE due **ANNUAL INSPECTION**

Removed cowling and performed inspection in accordance with P-Mentor Aircraft Maintenance Manual chapter 05-20-00 and Rotax 912 i Series MML chapter 05-20-00 @ FAR43 app (d).

- Performed cylinder compressions at this time are as follows. Cyl #1.) 86 Cyl #2.) 86 Cyl #3.) 86 Cyl #4.) 86 with a test pressure of 87psi.

AD's complied with at this inspection are as follows:

- C/W Rotax AD2025-07-02 Oil Spray Nozzle. See FAA AMOC approval letter dated June 24, 2025. Requesting following verbiage of Rotax ASB-912 i-016R1 / ASB915 i-016R1 / ASB916 i-016R1. This engine passed oil flow check per Rotax ASB. See logbook entry dated 28FEB 2025 @99.0 TACH. Portland FSDO notified for the use of this AMOC.

Reinstalled cowling. Performed leak & operational check. No defects noted at this time.

Performed run up and leak check, no defects noted at this time. All work performed IAW Rotax MML-912 i Ed. 2, Rev. 2 01MAY2023, Tecnam P-Mentor Aircraft Maintenance Manual 2002/1033 Ed. 1, Rev. 4 15MAY2025, and standard maintenance practices.

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

END

Jeffrey E. Houghton A&P2495125 IA

Maintenance record:

[illegible]