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Year: _____ Date	HOBBS Time	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.
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THE PILOT'S HANGAR

HANGER 12
150 AIRPORT AVENUE EAST
VENICE, FLORIDA 34285
PHONE / (925) 366-3333
EMAIL / ANDRE@PILOTHANGAR.COM



CERTIFIED FACTORY TECHNICIANS: ANDRE EL GHAWI - A&P / IA

Date: March 30th 2024
Tail Number: N 199 CH
Aircraft Make/Model: VANS / RV12
Engine Make: ROTAX 912 ULS / 2
Prop Make/Model/ SN: Sensenich / R70E / 4454465
Serial Number: 120818
Engine SN: 9144399
HUB / SN: 2A0R5-F
TTAF: 2041.6
TTSN: 349.4
2 Blades SNs: 213264F

ENGINE Condition Inspection:

CW AIRCRAFT ENGINE MANUFACTURER ROTAX 912ULS LMM (05-20-00) Checklist.

Drained oil / Removed Old filter / Cut open / inspected for contamination. No abnormal material found. Serviced with 3 liters of AEROSHELL SPORT +4. Air Filter: Removed / Cleaned and recharged with K&N Oil. Spark Plugs: Removed / Checked Heat signature / Re-gapped (0.023). Serviced with Thermal Paste Anti-seize W-P12-PN:897186 / Reinstalled & torqued to 20 Nm (COLD). Spark Plug Connectors: Inspected for cracks and performed Pull-Off force to 30Nm. Test check satisfactory. Exhaust Springs: Inspected all exhaust Springs for security and safety. / Checked existing PERMATEX HIGH TEMP RTV to dampen vibration frequency and checked security assembly in place. Checked / Adjusted vacuum on both Carbs. Performed Pneumatic Synchronization to satisfactory level. Performed Propeller Torque Friction Test (30°) rotation force: Measured & Noted 53 Nm. Cylinder Compression: Performed % (PSI) Leak Down (COLD) Compression: Results: #1: 87/87 - #2: 86/87 - #3: 87/87 - #4: 87/87. Ran engine and performed a Mag Drop @ 4000 RPM (L: - 40 & R: -40) Performed a leak check. No leaks detected and Ops check OK. Discrepancies: None found at this time.

I certify that this engine has been inspected on March 30th 2024, IAW ROTAX Checklist (05-20-00) and the full scope and details of CRF 43 Appendix D and found to be in condition for safe operation at this time.

ANDRE EL GHAWI 3906573 A&P / IRMT:

Andre El Ghawi

4/20/24	2042.6	2042.6	Removed & Replaced Spark Plug Connector measured internal Resistance in spec @ 5.5K ohms. Ground and flight tested DAVID Valiquette / <i>David Valiquette</i> LSRM-H* 3879098
6/3/2024	2089.9	2089.9	Remove & Replace DYNON EGT SENSOR, K-TYPE. Tie wrap wires. DAVID Valiquette / <i>David Valiquette</i> LSRM-H* 3879098
 P/N 100405-001 REV L EGT SENSOR, K-TYPE DYNON AVIONICS 3/4 TO 1-1/4IN CLAMP ROTAX			
6/9/24	2099.4	2099.4 (407.2 SNOW)	Remove and change oil + Filter IAW PYSRQ INSTRUCTIONS & Rotax Line maintenance MANUAL. took sample for Blackstone. Remove AND INSPECTED magnetic plug (no issues) Torque 18 FT/LB AND safety wired. 3L Aeroshell Sport Plus 4 AND OEM Rotax Filter. Cut Filter, inspected (no issues) DAVID Valiquette / <i>David Valiquette</i> LSRM-H* 3879098

Year: 2024 Date	HOBBS Time	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.
1/25/24	2001.0		SWAPPED SMD MODULES, NO FIX. (REPLACED) PLUGS (8), NO FIX REMOVED BOOTS ON ALL PLUG WIRES, CUT OFF 1/4" OF WIRE + ATTACHED BOOTS TO WIRES + TIE & WRAPPED BOOTS. NO, FIX REMOVED CHARGE FROM DC ACCESSORY SOCKET AND TEST PLANE SMOOTH FLEW ONE HOUR IN PATTERN, SMOOTH RUND ENGINE. AIR PLANE RETURNED TO SERVICE. ROBERT J JONES JR <i>Rob Jones</i>
1/25/24	2001.0		BATTERY WEAK, NOT TURNING ENGINE OVER QUICK ENOUGH. REPLACED WITH BATTERY WITH ODYSSEY PC 680. OPS 600 D. ROBERT J JONES JR <i>Rob Jones</i>
2/3/24	2015.5	323.3	Remove/change oil. Replace w/ 3L Aeroshell SAE 4, check magnetic oil plug, clean, torque to 18 FT/LB. safety wire. Grease + TENSION nose wheel (22 LB pull test) check ignition wires - will order new wires/coils DAVID VALIQUETTE - <i>David Valiquette</i> - LSRM-A Pending
3/9/24	2034.7		Remove & Replace 2 ignition coils FROM A-SIDE modules, Test Fly SRQ. NO Rough idle Detected. CHANGE wiring HARNESS (VANS) #WH-RV12-IGNITION R30123 DAVID VALIQUETTE, <i>David Valiquette</i> LSRM-A Pending

Year: <u>2023</u> Date	HOBBS Time	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.
5/27/23	1856.5	164.3	OIL + FILTER CHANGE, ADDED 3 QTS AeroShell OIL SPORT 4, Rotax 825-OIL FILTER Clean magnet plug, NO metal debris NO ENGINE LEAKS AFTER RUN. REPLACED 2 FRONT SAFETY WIRES ON EXHAUST SPRINGS AND RED RTV DAVID VALIQUETTE <i>David Valiquette</i>
6/29/23	1884.4		ENGINE AMPS INDICATING -30A DISCHARGE AT 2000 CLIMBING. RETURNED TO SER & REPLACED DUCATI VOLTAGE REGULATOR WITH NEW 36201 WITH NEW DUCATI REGULATOR #36201. OPS ✓ GOOD. ROBERT J. JONES JR <i>Robert Jones</i>
7/12/23	1897.0		REPLACED ALL 8 PLUGS, GAPPED TO .23, PERFORMED CARB CHECKS, BOTH CAMS LEFT FLOATS WEIGHED 3.15 EACH FOR A TOTAL OF 6.30 TOTAL ON EACH SIDE. FLIGHT CHECK GOOD, ENGINE RAN SMOOTH. ROBERT JONES <i>Robert Jones</i>
7/30/23	1910.9		OIL + FILTER CHANGE, ADD 2.4 QTS AeroShell SPORT 4, Rotax 825/OIL FILTER, CLEAN MAGNETIC PLUG (18 LB) (NO METAL) TOOK OIL SAMPLE FOR TEST, CUT OIL FILTER ELEMENT AND INSPECTED (GOOD) GREASED NOSE WHEEL BEARINGS/TORQUED wheel Pull TEST TO 18 FT/LBS <i>David Valiquette</i>
11/26/23	1964.3	(54)	oil + filter change, CLEAN TANK, ADDED 3 QTS of AeroShell SPORT 4, MAG PLUG NOT CHECKED, ENGINE RUN SHOWED <u>NO</u> OIL LEAKS, REPLACED 1 SAFETY WIRE ON Pilot Side REAR <i>David Valiquette</i>
1/17/24	1997.8		ENGINE RUNNING ROUGH WITH 13 IGNITION OFF. AIRCRAFT OUT OF SERVICE ROBERT JONES <i>Robert Jones</i>

Year:		Total	Description of Inspections, Tests, Repairs and Alterations
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CERTIFIED FACTORY TECHNICIANS: ANDRE EL GHAWI - A&P/IA

Date: March 8th 2023
Tail Number: N 199 CH
Aircraft Make/Model: VANS / RV12
Engine Make: ROTAX 912 ULS / 2
Prop Make: Sensenich
Serial Number: 120818
Engine SN: 9144399
Model: SN-2A0R5-F
TTAF: 1750.5
TTSN: 58.3
SN: 44548

ENGINE Condition Inspection: **Noted New Engine (ROTAX 912ULS / 2) replaced on January 2nd 2023 @ 1692.2 Hobbs**

CW AIRCRAFT ENGINE MANUFACTURER ROTAX 912ULS LMM (05-20-00) Checklist.

Drained oil / Removed Old filter / Cut open / inspected for contamination. No abnormal material found. Serviced with 3 liters of AEROSHELL SPORT +4. Air Filter: Removed / Cleaned and recharged with K&N Oil. Spark Plugs: Removed / Checked Heat signature / Re-gapped (0.023). Serviced with Thermal Paste Anti-seize W-P12-PN:897186 / Reinstalled & torqued to 20 Nm (COLD). Spark Plug Connectors: Inspected for cracks and performed Pull-Off force to 30Nm. Test check satisfactory. Exhaust Springs: Inspected all exhaust Springs for security and safety. / Checked existing PERMATEX HIGH TEMP RTV to dampen vibration frequency and checked security assembly in place. Checked vacuum on both Carbs to verify Pneumatic Synchronization to satisfactory level. Performed Propeller Torque Friction Test (30°) rotation force: Measured & Noted 490 in/lbs. Cylinder Compression: Performed % (PSI) Leak Down (COLD) Compression: Results: #1: 87/87 - #2: 86/87 - #3: 87/87 - #4: 86.5/87. Ran engine and performed a leak check. No leaks detected and Ops check OK. Discrepancies: None found at this time.

I certify that this engine has been inspected on March 8th 2023, IAW Rotax Maintenance Manual and the full scope and details of CRF 43 Appendix D and found to be in condition for safe operation at this time.

ANDRE EL GHAWI 3906573 A&P / IRMT:

André

04/15/23	1806.9	OIL & FILTER CHANGE, ADDED 3 QTS AEROSHELL OIL SPORT 4, ROTAX 825-016 FILTER CLEAN MAGNET PUL, NO METAL DEBRIS, TORQUES TO 18 FT/LBS, NO ENGINE LEAK AFTER RUN NEXT OIL CHANGE DUE 1856.9, TOOK SAMPLE TO SEND TO BLACKSTONE PP 27105P8 REPLACE 2 SAFETY WIRES ON Scott's Run EXHAUST SPRINGS
04/27/23	1808.7	MOVED TO AIRCRAFT SECTION REPLACED ALL BRAKE PADS LEFT & RIGHT. REPERCUSS MULTI-CLAMP ON LEFT SIDE PITCH CONTROL BRAKE BORN TO IAW MAINT MANUAL. REPLACED LEFT AND RIGHT TIRRS & TUBES, S.O.X.S. (G.P.A.S.H) NOTED WHEEL & SET TENSION TO 18 LBS.
4/29/23	1818.7	COMPLIANT WITH SB-00064, INSTALLED 2 SPRINGS ON #1 EXHAUST P.I.P.E. PIPE IS CLEAN OF THE CORROSION. REPAIR T Joints on fuel line

Year: <u>2023</u> Date	HOBBS Time	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.
1/2/23	1642.2 1692.2	8 8	INSTALLED NEW ROTAX 912 ULS ENGINE, SN 9-144-399. NO DYNON DISPLAY, SO DID NOT START ENGINE. ROBERT J JONES JR <i>Phyllis</i>
1/3/23	1692.2 1692.2	8 8	INSTALLED DYNON DISPLAY + AUTOPILOT PANEL. PERFORMED SE-912 ROTAX SE-912-018 R2 WHICH INCLUDED PURSUIT THR OIL SYSTEM + INSPECTING THE HYDRAULIC TAPPETS FOR CORRECT PURSUIT. RAN ENGINE + HAD EXCESSIVE VIBRATION REMOVED PROPS + SWITCHED POSITIONS, VIBRATION WAS REMOVED TAXI'D AROUND FOR 1 HOUR + NO ISSUES WITH ENGINE. AFTER SHUTDOWN, INSPECTED ALL FOR OIL LEAKS, NONE OBSERVED. NOTE - ALSO PERFORMED A ROUGH CARB SYNC + ENGINE RAN SMOOTHLY. ROBERT J JONES JR <i>Phyllis</i>
1/7/23	1698.0	1698.0	ENGINE OPERATION NORMAL HOWEVER, LEFT CHT RUNNING HIGHER THAN RIGHT CHT, BUT WITHIN TOLERANCE. RTS, ROBERT J JONES JR <i>Phyllis</i>
1/7/23			LATE ENTRY, SEE AIRCRAFT LOG FOR CARB SYNC ON 1/3/23.
1/23/23	1715.3		OIL CHANGE + FILTER CHANGE AT FIRST 25 HOURS, ADDED NEW - 3 PINTS AEROSHELL SPORT 4 AND ROTAX 825-OIL FILTER. MAGNET PLUG CLEAN, TORQUED MAGNETIC PLUG TO .15 FT LBS. NEXT OIL CHANGE DUE SO HAS ROBERT J JONES JR <i>Phyllis</i>
4/5/23	1785.1	1	REPLACED CHT PROBE IN BOTH #2 + #4. OPERATION NORMAL. ROBERT J JONES <i>Phyllis</i>