N3103E LEFT

The Standard

ENGINE LOG

ASA-SE-2

The subject aircraft was involved in an incident / accident on **6/17/2024** rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: **9226867882US**.

Signed: ***Underwriters Salvage Company***

Date: **8/8/2024**

AIG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100
Atlanta, GA 30326

Part # 167077-134 MTW EXP 07/24 ○○

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
March 29, 2024 N3103E Left Engine Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 5,077.0 Hobbs: 7,384.2

1. Performed pre-maintenance ground-run due to discrepancy resulting in mag drop of 250rpm for left magneto on left engine.
2. During removal of all eight spark plug ignition leads, found cylinder #4 bottom spark plug ignition lead loosely attached to sparkplug and multiple fouled spark plugs. Removed all sparkplugs, serviced, inspected, and cleaned. Operational check good. Installed new gaskets, P/N: M674.
3. Performed timing check of left engine external magneto timing and adjusted right magneto external timing. Reinstalled sparkplugs and ignition leads. Performed post-maintenance ground-run. Operational check satisfactory. No discrepancies noted.
4. Found oil fill tube neck to be loose. Removed safety, tightened, and re-saftied. Leak check good.
5. Reference McAir Work Order #4924.

This Engine is approved for return to service for the work performed.

Andre Tapia A&P 4306871

NO ENTRY

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
April 15, 2023 N3103E Left Engine Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 5,077.0 TSOH: 2,225.7 TTE: 14,444.7

1. Completed the following during aircraft's 100Hr Inspection:
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:78/80 #3:79/80 #4:76/80
4. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6qts Phillips Victory 20W50. Inspected oil filter media. Sent oil sample for analysis.
5. Magneto 500HR inspections due at: 5334.
6. Serviced air induction filter.
7. Visually inspected cylinders and valves by borescope.
8. Adjusted left and right engine external magneto timing. Operational check good.
9. Removed and replaced engine oil fill neck base gasket, P/N: 72059 and re-safetied.
10. Removed and replaced carb heat shroud, P/N: 89364-00312.
11. Reference McAir Work Order #4929.

This Engine is airworthy and approved for return to service for the work performed.

Nick Barthram A&P 3433479 IA 04/15/24

7. Completed **500HR Inspection** Right magneto SN: 15121132. Replaced brush, PN: K3215, and points, PN: M3081. SB1-19 and SB2-19A N/A by no impulse coupling.
8. **Magneto 500HR inspections** due at: 5334.
9. Serviced induction air filter.
10. Visually inspected cylinders and valves by borescope.
11. Secured loose nut on #4 exhaust flange.
12. Reference McAir Work Order #3975.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
March 2, 2023 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4902.5 TSOH: 2051.2 TTE: 14,270.2

1. Completed the following during aircraft's **ANNUAL Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:78/80 #2:79/80 #3:79/80 #4:66/80
4. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6 qts XC 20W50. Inspected oil filter media. Sent oil sample for analysis.
5. Serviced all spark plugs.
6. **Magneto 500HR inspections** due at: 5334
7. Replaced induction air filter, PN: BA-10.
8. Visually inspected cylinders and valves by borescope.
9. Secured loose baffles under cylinders 1 and 3.
10. Replaced external oil line on prop governor, PN: B-4766.
11. Reference McAir Work Order #4068.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737 A:P + IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
May 10, 2023 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 5002.3 TSOH: 2151.0 TTE: 14,370.0

1. Completed the following during aircraft's **100HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:74/80 #3:79/80 #4:79/80
4. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6 qts XC 20W50. Inspected oil filter media. Sent oil sample for analysis.
5. Serviced all spark plugs.
6. Adjusted left magneto external timing.
7. **Magneto 500HR inspections** due at: 5334.
8. Serviced induction air filter.
9. Visually inspected cylinders and valves by borescope.
10. Secured loose nut at #4 exhaust riser flange.
11. Reference McAir Work Order #4158.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
February 26, 2024 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 5075.0 TSOH: 2229.7

1. Propeller removed and reinstalled to facilitate internal repairs of propeller.
2. Reference McAir Work Order #4722.

This **Engine** is approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
June 30, 2022 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4646.2 TSOH: 1794.9 TTE: 14,013.9

1. Completed the following during aircraft's **100HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. **Magneto 500HR** due at 4756.
4. Compression test #1:79/80 #2:76/80 #3:78/80 #4:76/80
5. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6 qts XC 20W50. Inspected oil filter media and sent oil sample for analysis
6. Serviced all spark plugs.
7. Replaced induction air filter, PN: BA10.
8. Visually inspected cylinders and valves by borescope.
9. Replaced main crankshaft seal, PN: LW-13792, IAW Lycoming SB1324C.
10. Replaced oil fill tube gasket PN: 72059.
11. Performed thread repair for alternator belt tensioner's top mount by installing ¼"-28 helicoil insert.
12. Reference McAir Work Order #3727.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
July 12, 2022 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4657.3

1. Replaced coil in right magneto, PN: AK-3975. Adjusted external timing of left magneto.
2. Reference McAir Work Order #3749.

This **Engine** is approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
September 2, 2022 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4735.4 TSOH: 1884.1 TTE: 14,103.1

1. Completed the following during aircraft's **100HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. **Magneto 500HR** due at next inspection.
4. Compression test #1:78/80 #2:74/80 #3:77/80 #4:68/80
5. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6 qts XC 20W50. Inspected oil filter media. Sent oil sample for analysis.
6. Serviced all spark plugs.
7. Replaced induction air filter, PN: BA10.
8. Visually inspected cylinders and valves by borescope.
9. Reference McAir Work Order #3827.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
December 9, 2022 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4834.2 TSOH: 1982.9 TTE: 14,201.9

1. Completed the following during aircraft's **100HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:76/80 #3:78/80 #4:66/80
4. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6 qts XC 20W50. Inspected oil filter media. Sent oil sample for analysis.
5. Replaced all spark plugs, PN: URHM38E.
6. Completed **500HR Inspection** Left magneto SN: 15120836. Replaced brush, PN: K3215, and points, PN: M3081. SB1-19 N/A by S/N. SB2-19A permanently complied with.

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
November 22, 2021 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4511.4 TSOH: 1660.1 TTE: 13,879.1

1. Completed the following during aircraft's **100 HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:75/80 #3:78/80 #4:60/80
4. Lapped #2 exhaust valve to remedy leaking, post maintenance compression test 75/80.
5. Reamed #4 exhaust valve guide to remedy leaking, post maintenance compressing test 75/80.
6. Drained oil. Replaced oil filter, PN: AA48110-2. Added 6 qts Phillips XC 20W 50. Sent oil sample for analysis.
7. Serviced all spark plugs.
8. Serviced induction air filter.
9. Visually inspected cylinders and valves by borescope.
10. Cleaned clogged primer nozzles.
11. Tightened loose hardware on carb heat control cable.
12. Reference McAir Work Order #3387.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
February 4, 2022 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4547.5 TSOH: 1696.2 TTE: 13,915.2

1. Completed the following during aircraft's **ANNUAL Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:76/80 #3:78/80 #4:72/80
4. Drained oil. Replaced oil filter, PN: AA48110-2. Serviced suction screen. Added 6 qts XC 20W50. Sent oil sample for analysis.
5. Serviced all spark plugs.
6. Replaced induction air filter, PN: BA10.
7. Visually inspected cylinders and valves by borescope.
8. Repositioned #1 & 2 ignition leads to remedy chafing against primer lines.
9. Replaced 2 loose rivets on alternate air box where control cable bracket attaches.
10. Replaced #3 intake gasket, PN: 71973.
11. Reference McAir Work Order #3529.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
May 4, 2022 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 4602.9

1. Replaced all intake gaskets, PN: 71973.
2. Reference McAir Work Order #3628.

This **Engine** is approved for return to service for the work performed.

Calvin Davis A&P3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Apr 19, 2021 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4344.5 TSOH: 1493.2 TTE: 13,712.2

1. Completed the following during aircraft's **100 HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Checked applicability of **AD 2020-25-12** Superior Air Parts crankshafts, effective 1/15/2021. Not applicable by Part Not Installed.
4. Compression test #1:79/80 #2:78/80 #3:79/80 #4:79/80
5. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Inspected filter media, inspected suction screen, and sent oil sample for analysis.
6. Serviced all spark plugs.
7. Visually inspected cylinders and valves by borescope.
8. **Slick SB2-19A**, Impulse Coupling Rivets Inspection: Left magneto SN15120836, Unit failed inspection. Replaced impulse coupling assembly, PN M3529, manufacture date Nov 2020. Marked magneto data plate with "B" as per SB instructions. No repetitive action necessary.
9. Reference McAir Work Order #3207.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
June 15, 2021 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 4411.6

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #3270.

This **Engine** is approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
July 8, 2021 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4424.6 TSOH: 1573.3 TTE: 13,792.3

1. Completed the following during aircraft's **100 HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:78/80 #2:74/80 #3:79/80 #4:78/80
4. Serviced all spark plugs.
5. Replaced induction air filter, PN: BA10.
6. Visually inspected cylinders and valves by borescope.
7. Reference McAir Work Order #3290.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
September 1, 2021 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 4495.4

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #3365.

This **Engine** is approved for return to service for the work performed.

Calvin Davis A&P 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Sep 9, 2020 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4163.7 TSOH: 1312.4 TTE: 13,531.4

1. Completed the following during aircraft's **100 HR Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:78/80 #3:78/80 #4:78/80
4. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Inspected filter media, inspected suction screen, and sent oil sample for analysis.
5. Serviced all spark plugs.
6. Visually inspected cylinders and valves by borescope.
7. Reference McAir Work Order #2990.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Oct 20, 2020 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 4203.1

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #3042.

This **Engine** is approved for return to service for the work performed.

Paul W. Paasch AP3271465

NO ENTRY

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Jan 3, 2021 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4256.3 TSOH: 1405 TTE: 13,624

1. Completed the following during aircraft's **ANNUAL Inspection:**
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:77/80 #3:78/80 #4:79/80
4. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Inspected filter media, inspected suction screen, and sent oil sample for analysis.
5. Serviced all spark plugs.
6. Visually inspected cylinders and valves by borescope.
7. Completed **500HR Magneto Service**, Replaced contact point assemblies, PN A-13081, and carbon brushes, PN K3215. Cleaned, inspected, adjusted, and reinstalled.
8. Reference McAir Work Order #3107.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch IA3271465

NO ENTRY

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Jan 10, 2020 N3103E Left Engine Lycoming O-360-A1H6 S/N L-30963-36E Tach: 5686.8

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2780.

This Engine is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
January 24, 2020 N3103E Left Engine Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3970.1 TSOH: 1118.8 TTE: 13,337.8

1. Complied with ANNUAL inspection IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:78/80 #2:73/80 #3:75/80 #4:77/80
4. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Inspected filter media, inspected suction screen, and sent oil sample for analysis.
5. Serviced all spark plugs.
6. Visually inspected cylinders and valves by borescope.
7. Replaced oil filler neck gasket PN 72220.
8. Reference McAir Work Order #2795.

This Engine is airworthy and approved for return to service for the work performed.

Paul W. Paasch IA3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
February 27, 2020 N3103E Left Engine Lycoming O-360-A1H6 S/N L-5639-36A Tach: 4039.9

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2829.

This Engine is approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
April 24, 2020 N3103E Left Engine Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 4065.4 TSOH: 1214.1 TTE: 13,433.1

1. Completed the following during aircraft's 100 HR Inspection:
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:78/80 #3:79/80 #4:79/80
4. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Inspected filter media, inspected suction screen, and sent oil sample for analysis.
5. Serviced all spark plugs.
6. Visually inspected cylinders and valves by borescope.
7. Replaced engine driven fuel pump PN LW 15399 SN 0C8C05.
8. Replaced both mufflers PN K86299-07.
9. Installed Piper Kit 88501-002/003.
10. Reference McAir Work Order #2847.

This Engine is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
June 25, 2020 N3103E Left Engine Lycoming O-360-A1H6 S/N L-5639-36A Tach: 4119.1

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2903.

This Engine is approved for return to service for the work performed.

Mathew Hill AP 2886392

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Aug 28, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3731.6

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2636.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Oct 4, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3777.4 TSOH: 926.1 TTE: 13145.1

1. Complied with **100 HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:74/80 #3:74/80 #4:74/80
3. Drained oil, added 6qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Completed **500HR Magneto Service**, Replaced contact point assemblies, PN A-13081, and carbon brushes, PN K3215. Cleaned, inspected, adjusted, and reinstalled.
7. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
8. Reference McAir Work Order #2682.

This **engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Oct 23, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3835.3

3. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
4. Reference McAir Work Order #2714.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
November 22, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3876.6 TSOH: 1025.3 TTE: 13,244.3

1. Complied with **100 HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Checked Airworthiness Directive compliance thru this date.
3. Compression test #1:79/80 #2:64/80 #3:78/80 #4:78/80
4. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Inspected filter media, inspected suction screen, and sent oil sample for analysis.
5. Serviced all spark plugs. Adjusted timing of right magneto.
6. Replaced induction air filter, PN BA-10.
7. Visually inspected cylinders and valves by borescope.
8. Cleaned all primer nozzles. Reattached disconnected primer lines below #2/#4 cylinders.
9. Secured loose hardware at prop governor control rod end.
10. Replaced both exhaust studs on #4 cylinder. Reinstalled #3/#4 exhaust with new gaskets.
11. Replaced #4 cylinder intake gasket.
12. Reference McAir Work Order #2735.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis AP 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
January 8, 2020 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3939

1. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2752.

This **Engine** is approved for return to service for the work performed.

Calvin Davis AP 3300737

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Apr 1, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: ~~3396.7~~ 3496.1 Prop TSOH: 644.8 TTE: 12,863.8

1. Complied with **ANNUAL inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:78/80 #3:76/80 #4:78/80
3. Drained oil, added 6qts ASW80 Plus. Replaced oil filter, PN AA48810-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
7. Reference McAir Work Order #2398.

This **engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
June 11, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3568.4

3. Drained oil, added 6 qts Phillips XC 20W 50. Replaced oil filter, PN AA48110-2.
4. Reference McAir Work Order #2544.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
June 26, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3594.0 TSOH: 742.7 TTE: 12,961.7

1. Complied with **100 HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:77/80 #2:77/80 #3:72/80 #4:77/80
3. Drained oil, added 6qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
7. Reference McAir Work Order #2558.

This **engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Aug 6, 2019 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3686.8 TSOH: 835.5 TTE: 13054.5

1. Complied with **100 HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:76/80 #3:71/80 #4:75/80
3. Drained oil, added 6qts Phillips XC 20W 50. Replaced oil filter, PN AA48810-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
7. Reference McAir Work Order #2610.

This **engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
May 3, 2018 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3303.9 TSOH: 458.6 TTE: 12,677.6 PWP

1. Complied with **100HR inspection** for ANNUAL IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:78/80 #3:78/80 #4:76/80 PWP
3. Drained oil, added 6qts ASW100. Replaced oil filter, PN AA48110-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Replaced #2 intake flange gasket PN 71973.
7. Replaced both magneto contact points A-13081 and carbon brush PN K3215-25. Timed internally and to engine. Operational check completed.
8. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
9. Reference McAir Work Order #2070.

This engine is airworthy and approved for return to service for the work performed.

Paul W. Paasch

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
June 27, 2018 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3357.0

1. Drained oil, added 6 qts AS W100. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2144.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch

Paul W. Paasch AP3271465

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Aug 29, 2018 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3396.7 TSOH: 545.4 TTE: 12,764.4

1. Complied with **100HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:77/80 #2:76/80 #3:69/80 #4:77/80 PWP
3. Drained oil, added 6qts ASW100. Replaced oil filter, PN AA48110-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
7. Reference McAir Work Order #2070.

This **engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
Oct 31, 2018 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3451.1

1. Drained oil, added 6 qts AS W80. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2334.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch

Paul W. Paasch AP3271465

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
May 5, 2017 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3110.7 TSOH: 265.4 TTE: 12,484.4

1. Complied with **100HR inspection** at **annual** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:77/80 #2:78/80 #3:74/80 #4:76/80
3. Drained oil, added 6qts ASW100. Replaced oil filter, PN AA48810-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Serviced carburetor inlet screen.
7. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
8. Reference McAir Work Order #1759.

This **engine** is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
August 17, 2017 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3179.7

1. Drained oil, added 6 qts AS W80. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #1886.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
August 22, 2017 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3180.4

1. **AD2017-16-11** Connecting Rod Failures: Not Applicable, confirmed that affected parts not installed at overhaul.

This **Engine** is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

YEAR
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DATE

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
October 13, 2017 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3205.2 TSOH: 359.9 TTE: 12,578.9

1. Complied with **100HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:77/80 #3:71/80 #4:78/80
3. Drained oil, added 6qts ASW80. Replaced oil filter, PN AA48810-2. Serviced oil suction screen.
4. Serviced all spark plugs.
5. Serviced induction air filter.
6. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
7. Reference McAir Work Order #1937.

This **engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
February 12, 2018 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3259.1

1. Drained oil, added 6 qts AS W80 Plus. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #2014.

This **Engine** is airworthy and approved for return to service for the work performed.

Paul W. Paasch AP3271465

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
September 9, 2016 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 2938.9 TSOH: 93.6 ETT: 12,312.6

1. Complied with **100HR inspection** at **annual** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:77/80 #3:78/80 #4:77/80
3. Drained oil, added 6qts ASW100. Replaced oil filter, PN AA48110-2.
4. Serviced spark plugs.
5. Serviced induction air filter.
6. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
7. Reference McAir Work Order #1561.

This engine is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
November 2, 2016 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: ~~2917.1~~ 2988.2 TSOH: 142.9 ETT: 12,361.9

1. Drained oil, added 6 qts AS W80. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #1616.

This engine is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

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McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
January 26, 2017 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 3033.5 TSOH: 188.2 ETT: 12,507.2

1. Complied with **100HR inspection** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
2. Compression test #1:78/80 #2:78/80 #3:78/80 #4:77/80
3. Drained oil, added 6qts ASW80. Replaced oil filter, PN AA48110-2.
4. Serviced spark plugs.
5. Replaced induction air filter, PN BA10
6. Removed both magnetos, adjusted internal timing, reinstalled magnetos. Adjusted external timing.
7. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
8. Reference McAir Work Order #1675.

This engine is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
March 22, 2017 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A Tach: 3088.5

1. Drained oil, added 6 qts AS W80. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #1724.

This engine is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

NO ENTRY

YEAR 20___ DATE	ations ber of entries.)

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
April 20, 2016 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 2845.3 TSOH: 0 ETT: 12,219

1. Engine replaced with overhauled unit. Installed with new motor mount bushings, nuts and bolts. New fuel and oil hoses. New oil drain valves. New alternator belt. New baffle seals. Oil cooler overhauled. Propeller governor overhauled. Installation checked and tested IAW procedures provided by Aircraft Engine Specialists, Lycoming, and Piper.
2. Complied with **100HR inspection** at **annual** IAW FAR Part 43, Appendix D and the Piper Seminole MM.
3. Compression test #1:78/80 #2:76/80 #3:76/80 #4:76/80
4. Filled sump with 8 qts AS 80 mineral oil.
5. Installed induction air filter, PN BA10.
6. Installed spark plugs.
7. Checked AD compliance thru this date. For a complete AD list, see aircraft permanent records.
8. Work documented under McAir Work Order #1382.

This engine is airworthy approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
May 13, 2016 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 2855.5 TSOH: 10.2 ETT: 12,229.2

1. Compression test #1:76/80 #2:77/80 #3:77/80 #4:76/80
2. Drained oil, added 7 qts AS 100 mineral oil.
3. Work documented under McAir Work Order #1444.

This engine is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

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.)
6/3/16	2869.1	—	—	DRAIN OIL, REPLACE FILTER P/N: AA48110-2. ADD 6 QTS ASW100. APPROVED FOR RETURN TO SERVICE. Calvin Davis AP/IA 3300737.

McAir Aviation 10128 Airport Court Unit B Broomfield, CO 80021
July 26, 2016 **N3103E** **Left Engine** Lycoming O-360-A1H6 S/N L-5639-36A
Tach: 2917.1 TSOH: 71.8 ETT: 12,290.8

1. Drained oil, added 7 qts AS W100. Replaced oil filter, PN AA48110-2.
2. Reference McAir Work Order #1523.

This engine is airworthy and approved for return to service for the work performed.

Calvin Davis AP/IA 3300737

NO ENTRY

2-18-16
MODEL: 0-360-A1H6
S/N: L-56-39-36A
TACH READING
TTE 12,219.0
TSMO 0.0

AIRCRAFT ENGINE SPECIALISTS, LLC
2330 SOUTH AIRPORT BOULEVARD, SUITE #5
CHANDLER, ARIZONA 85286
(480) 516-0390 CRS # ZF7R728Y

Disassembled engine, cleaned, inspected, non-destructive tested wo N1321-15-11, overhauled, assembled and test run in accordance with Lycoming Overhaul Manual 60294-7-14 and appropriate service bulletins. Lifter bodies repaired wo 234803. Counter weights repaired wo 180821. Crankshaft pn 13B37228, sn V537950892, complied with MSB 475C by inspection of bolt hole threads, new bolt, torque to 204 inch lbs and bend lock tab, flange plated wo 181482. Crankcase repaired wo 43168. Carburetor HA-6, 10-6019, sn 75122208 overhauled wo F1200-15-11. New Slick magnetos RT 4370, sn 15121132, LT 4373, sn 15120836. New starter 149NL, sn FN441538, fuel pump LW-16335, sn RC34152719. New Superior cylinders SL36006W-A20P, sn's #1-366W-K15-18582, #2-366W-K15-18629, #3-366W-K15-18584, #4-366W-K15-18581. All new seals, gaskets, bearings, bushings, connecting rod bolts, nuts, spark plugs, ignition harness. AD's were checked for compliance, applicable AD's complied with, see AD sheet. Engine test run and was found in airworthy condition. Further details of this engine overhaul may be found at this facility under work order E5229-15-10.

James Volkel
James Volkel

Parts Used on WO# E5229-15-10

1	1028-B	BALL .6875 DIA	1	TC48110	OIL FILTER	5	STD-1339	PLUG
1	10-6019 OHC	CARB OHC	2	14W21696	ROLLER DYNAMIC CNTRWT-8	6	383-B	NUT .375-24 PLAIN
1	149-NL	INLINE STARTER	2	15F19957-36	ROD ASSY	6	LW-25-094	BOLT
1	23D26777	PLUNGER	2	72797	ROLLER	6	LW-25-1.00	BOLT
1	4370	MAGNETO	2	75339	BAFFLE ASSY	6	LW-25-1.13	BOLT
1	4373	MAGNETO	2	AEL76220P001	STUD	6	SL-STD-1410	NUT
1	53E22144	VALVE ASSY	2	AN6-34A	BOLT	6	SL-STD-2090	NUT
1	61084	SPRING	2	CH48110-1	FILTER	6	STD-2013	SEAL
1	61665 U/S	GEAR U/S	2	SL13884A M06	BEARING	8	71907	WASHER
1	75736	TUBE	2	SL68761	DRAIN BACK TUBE (360)	8	72198	PLUG
1	77154	GASKET	2	SL-STD-1211	PLUG	8	74637	BUSHING
1	AN565B1032H5	SCREW	3	LW-31H0.88	BOLT	8	AEL75060	BOLT
1	LW-16335-S	KIT FUEL PUMP	4	69603	HOSE ASSY	8	LW-14820	RING
1	M2508	HARNESS	4	73810	BUSHING	8	QS100M28H	CLAMP
1	SL68759	DRAINBACK TUBE (360)	4	LW-14078	PIN PISTON	8	QS100M6H	CLAMP
1	SL68760	DRAIN BACK TUBE (360)	4	MS21318-21	DRIVE SCREW	8	RHM38S	SPARK PLUG
1	SL75439-1	GASKET SET	4	MS27215-2	PLUG, DEHYDRATOR	8	SL11485	TUBE, SHROUD (360)
1	SL77808	VALVE ASSY OIL PRESS. (360)	4	SL11020 M06	BEARING	8	SL12186	NUT
1	SL-STD-2213	SCREW	4	SL13790A	SHAFT,ROCKER	8	SL12892	THRUST BUTTON
1	STD-2168	NUT	4	SL36006W-A20P	POWER ASSY NEW	8	SL13521A	BEARING
1	STD-2231	RING	4	SLR75906	GASKETS			
1	STD-551	PLUG	4	STD-1821	HOSE			

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.)

1. Approving National Aviation Authority / Country	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. System Tracking Ref. No.
FAA / UNITED STATES		44358
4. Organization Name and Address Rocky Mountain Propellers, Inc., 2865 Airport Drive, Erie, CO 80516 USA FAA FR6R545N - EASA 145.4827		5. Work Order/Contract/Invoice: 44358

6. Item:	7. Description:	8. Part Number:	9. Qty:	10. Serial / Batch Number:	11. Status / Work
1	Hartzell Governor	U-3-15	1	G542YJ	Overhauled

12. Remarks:

Overhauled governor in reference to Hartzell Service Manual #130B, Rev. 17, and other supporting documents. Complied with Service Letters thru HC-SL-61-277, Rev. 3. No AD's apply at this time. Next Overhaul Due: 2000 hours, but not to exceed engine TBO.

TSO: 0.0

LT ENGINE

A complete Description of work performed is on file at the above referenced organization under the work order and system tracking reference number indicated in blocks 3 and 5. Notice: An Airworthiness Directive may apply to the article(s) described hereon. The installer is responsible for ensuring complete compliance with any applicable Airworthiness Directives. *Certifies that the work specified in block 12 / 13 was carried out in accordance with FAR Part-145 and EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Approval Number: EASA.145.4827*

13a. Certifies the items identified above were manufactured in conformity to:		14a ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.		Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval / Authorization No.:	14b. Authorized Signature:	14c. Approval / Certificate No. FR6R545N
13d. Name (Typed or Printed)	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed) Dave Hampel	14e. Date (dd/mmm/yyyy) 29 Mar 2016

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part / component / assembly. Where the user / installer performs work in accordance with the national regulations of an Airworthiness Authority different than the airworthiness authority of the country specified in block 1, it is essential that the user / installer ensures that his / her airworthiness authority accepts parts / components / assemblies from the airworthiness authority of the country specified in block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.

FAA Form 8130-3 (02-14) MSN 0052-00-012-9005

Engine Record General Information

Manufacturer LYCOMING **Model** O-360-A1H6

Serial L-56-39-36A **Type Certificate** _____

This engine is currently installed in aircraft: N 3103E

Minimum Octane Fuel _____ **Oil Grade** Summer _____ Winter _____

Magneto Time _____ **Point Setting** _____ **Firing Order** _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ **hours**