

Log Book 3

ENGINE LOG BOOK



Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net

Date: 12/3/13 Hobbs: 2396.1 Tach: 2112.5 N 531SR Engine Annual

Compression Test X/80 #1: 78 #2: 79 #3: 77 #4: 79 #5: 76 #6: 78

Engine SMOH: 2112.5 Airframe Serial #: 2438

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

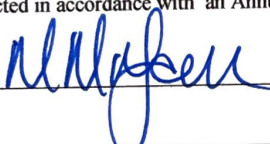
1. Performed compression check of engine with the following results: #1- 78/80, #2- 79/80, #3- 77/80, #4- 79/80, #5- 76/80, #6- 78/80.
2. Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Serviced engine with 8 Qts of 20W50 Phillips X/C oil. Ran up engine and leak checked with no discrepancies noted at this time.
3. Removed fuel pump P/N R-655921-6A1 s/n B13Ga405R and installed fuel pump P/N R-655921-6A1 s/n B135A153R. Installed with new gasket P/N 649982. Reinstalled hoses. Installed new mixture arm. Torqued and rigged. Adjusted fuel pressures to book pressures.
4. Removed and replaced all fuel injector nozzles with new.
5. Removed and replaced EGT probes on cylinder #1 and #6 with new P/N 16579-002. Ops check good at this time.
6. Removed and replaced CHT probe on cylinder #6 with new P/N 16578-001. Ops check good at this time.
7. Removed and replaced engine air filter with new P/N BA24 element.
8. Removed all spark plugs. Cleaned, gapped and tested. Reinstalled using new gaskets P/N M674.
9. Cleaned air/oil separator and reinstalled.
10. Installed (2) new helicoils in engine mount. Reinstalled bond wire bolts.
11. Adjusted ball joint tension on L/H and R/H exhaust as required.
12. Washed and cleaned engine.
13. C/W Airworthiness Directive research to 2013/23 biweekly issuance.

-----Continue-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6360 and a copy has been provided to the owner/operator.

I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA



Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net

Date: 12/27/13 Hobbs: 2449.1 Tach: 2166.6 N 531SR Airframe Repairs

AFTT: A/C Serial # 2438

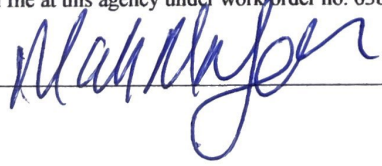
Performed the following repairs utilizing the manufacturer's maintenance manuals:

1. Removed throttle body P/N R-653353-5A1 s/n A13HA099R and installed warranty throttle body P/N 653353-5A1 s/n A13KA204. Installed hoses and lines. Adjusted linkage. Torqued arm to 110in lbs. Run up and adjusted idle.
2. Drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample taken for analysis. Serviced engine with 8 Qts of 20W50 Phillips X/C oil. Ran up engine and leak checked - no discrepancies noted at this time.
3. Adjusted mixture control rod end out 1.5 turns and resafetied nut. Adjusted arm 1 serration up towards full rich.
4. Installed new boost pump switch. Removed seat and side panel to access wires. Installed switch and reinstalled panels and pilot seat.
5. Inspected #6 CHT connections with no discrepancies noted.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6386 and a copy has been provided to the owner/operator.

Mark Maljanian A&P 33545223



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record			
	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net

Date: 3/7/14 Hobbs: 2210.3 Tach: N 531SR Engine Annual

Compression Test X/80 #1: 77 #2: 75 #3: 76 #4: 73 #5: 76 #6: 75

Engine SMOH: 200.0 Airframe Serial #: 2438

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

1. 1. Performed compression check of engine with the following results: #1- 77/80, #2- 75/80, #3- 76/80, #4- 73/80, #5- 76/80, #6- 75/80.
 2. 2. Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 15W50 Aeroshell oil. Ran up engine and leak checked - none found at this time.
 3. 3. Removed all spark plugs. Cleaned, inspected, tested, gapped and reinstalled with new gaskets P/N M674.
 4. 4. Removed and replaced L/H muffler with new P/N 14836-001 using hardware from old system.
 5. 5. Checked mags to engine timing. Adjusted both L/H and R/H timing to 23 degrees BTC.
 6. 6. Retorqued all induction, exhaust and rocker box cover hardware.
 7. 7. Replaced missing screw on R/H heat shroud with new.
 8. 8. Dressed and painted prop faces.
 9. 9. Applied RTV to alt air duct below front baffle for chaffe protection.
 10. 10. Cleaned ignition leads with solvent.
 11. 11. Checked torque on lower mount attach fittings.
 12. 13. Washed and cleaned R/H rear area of engine. Checked area after run-up. No discrepancies noted at this time.
 13. 14. Removed and cleaned oil and air separator. Reinstalled as required.
 14. 15. Washed and cleaned engine.
- Continue-----

15. C/W Airworthiness Directive research to 2014/4 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manual. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6470 and a copy has been provided to the owner/operator.

I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Noel F. Fisher A&P 1905582 IA Noel F. Fisher

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98@verizon.net

Date: 4/9/14 Hobbs: 2546.9 Tach: 2249.0 N 531SR Engine Repairs

Compression Test X/80 #1: #2: #3: #4: #5: #6:

Engine SMOH: Airframe Serial #: 2438

Performed the following repairs utilizing the manufacturer's maintenance manuals:

1. Removed and replaced #6 CHT probe with new CHT probe P/N 16578-001.
- End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6518 and a copy has been provided to the owner/operator.

Noel F. Fisher A&P 1905582 Noel F. Fisher

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	

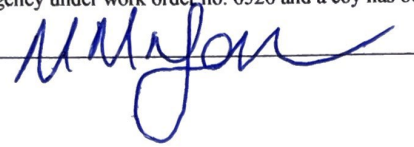
Carried forward →

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98@verizon.net						
Date: 4/12/14	Hobbs: 2558.7	Flt: 2258.9	N 531SR	Engine Repairs		
Compression Test X/80	#1:	#2:	#3:	#4:	#5:	#6:
Engine SMOH: 248.4				Airframe Serial #:	2438	

Performed the following repairs utilizing the manufacturer's maintenance manuals:

1. Ran up aircraft and taxied to hangar. Removed cowl and drained oil. Removed and replaced oil filter with new P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with (8) Qts of 20W50 Phillips X/C oil. Ran up aircraft and checked for leaks - none noted at this time. Recowled aircraft and taxied to hangar.
- End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6526 and a copy has been provided to the owner/operator.

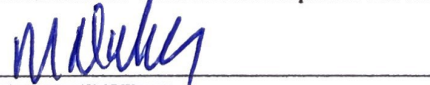
Mark Maljanian A&P 33545223 

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98@verizon.net						
Date: 5/15/14	Hobbs: 2611.5	Tach: 2301.6	N 531SR	Engine Annual		
Compression Test X/80	#1: 78	#2: 77	#3: 76	#4: 78	#5: 78	#6: 77
Engine SMOH: 291.1				Airframe Serial #:	2438	

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

1. Performed compression check on engine with the following results: #1- 78/80, #2- 77/80, #3- 76/80, #4- 78/80, #5- 78/80, #6- 77/80.
 2. Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of Phillips 20W50 X/C oil. Ran up engine and leak checked - none found at this time.
 3. Removed all spark plugs. Cleaned, inspected, gapped, tested and reinstalled with new gaskets P/N M674.
 4. Removed and replaced inlet filter with new P/N BA24.
 5. Removed, cleaned and reinstalled oil separator. Secured all lines and clamps.
 6. Stop drilled crack in engine baffle.
 7. Retorqued all induction, exhaust, sump and rocker box cover hardware.
 8. Cleaned all ignition leads with solvent. Secured to plugs.
 9. Sanded back of propeller and painted.
 10. Washed and cleaned engine.
 11. C/W Airworthiness Directive research to 2014/9 biweekly issuance.
- End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6579 and a copy has been provided to the owner/operator. I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA 

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98@verizon.net						
Date: 10/14/14	Hobbs: 2292.2	FLT: 2010.5	N 531SR	Engine Repairs		
Compression Test X/80	#1:	#2:	#3:	#4:	#5:	#6:
Engine SMOH: 0				Airframe Serial #:	2438	

Performed the following repairs utilizing the manufacturer's maintenance manuals:

-----CORRECTION TO ORIGINAL LOG ENTRY-----

1. Original log entry reflected the original R/H muffler was reinstalled. New R/H muffler P/N 21892-001 was installed.
- End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6309 and a copy has been provided to the owner/operator.

Mark Maljanian A&P 33545223 

NS-11-

Date	Total Time		Time Since Last Overhaul		Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net

Date: 6/5/2014 **Hobbs: 2695.1** **Tach: 2350.5** **N 531SR** **Engine Repairs**
Compression Test X/80 #1: #2: #3: #4: #5: #6:
Airframe Serial #: 2438

Engine SMOH:
 Performed the following repairs utilizing the manufacturer's maintenance manuals:

- Removed alternator #2 P/N BC410-1 s/n 1132354X. Installed new pad gasket P/N AS3491-01 and installed new alternator #2 P/N BC410-1 s/n 0564797X. Torqued pad nuts to 65in lbs. Connected field terminal and A+ terminal.
- Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48109-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of Phillips 20W50 X/C oil. Ran up engine and leak checked - none found.

-----End-----
 This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6605 and a copy has been provided to the owner/operator.

Noel F. Fisher A&P 1905582 

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net

Date: 6/27/14 **Hobbs: 2724.5** **Tach: 2407.4** **N 531SR** **Engine Annual**
Compression Test X/80 #1: 70 #2: 76 #3: 70 #4: 74 #5: 71 #6: 73
Airframe Serial #: 2438

Engine SMOH:
 Performed the following annual inspection in accordance with FAR 43 Appendix D:

- Performed compression check on engine with the following results: #1- 70/80, #2- 76/80, #3- 700/80, #4- 74/80, #5- 71/80, #6- 73/80.
- Drained oil. Removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of Phillips 20w50 X/C oil. Ran up engine and leak checked as necessary.
- Removed all spark plugs. Cleaned, inspected, set gaps, tested. Replaced (1) plug with new P/N RHB32E. Reinstalled others with new gaskets P/N M674.
- Removed, cleaned and reinstalled fuel injectors.
- Retorqued all induction, exhaust and rocker box cover hardware.
- Removed, cleaned and reinstalled oil separator. Secured all lines and clamps.
- Painted back of propeller.
- Removed and replaced engine air filter with new P/N BA24.
- Removed sheeth on #6 CHT probe wiring from probe to firewall plug. No discrepancies noted. Removed plug from control box under copilot panel. Cleaned connectors. Reinstalled and ops check good.
- C/W SA 13-03 Throttle Mixture at Install.
- C/W SB 2X-05-02 Induction Flapper. C/W 4-9-14 at tach 2249.0.
- C/W SB 2X-05-01 Brakes. C/W 12/3/13 at tach 2112.5.
- Washed and cleaned engine.
- C/W Airworthiness Directive research to 2014/12 biweekly issuance.

-----End-----
 This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6646 and a copy has been provided to the owner/operator.

I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA 

Date	Total Time		Time Since Overhaul		Engine Service and Maintenance Record					
	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					
Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net										
8/22/14	Hobbs: 2789.1		Flt: 2460.4		N 531SR		Engine Repairs			
Compression Test X/80	#1:	#2:	#3:	#4:	#5:	#6:	Airframe Serial #:		2438	
Engine SMOH: 449.9	Performed the following repairs utilizing the manufacturer's maintenance manuals:									
<p>Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/NCH48108-1. Oil sample was taken for analysis. Serviced engine with 9 Qts of 20W50 Phillips X/C oil supplied by customer. Ran up aircraft and leak checked - none found at this time.</p> <p>Removed #1 alternator. Disassembled and found armature damaged winding causing alternator to short out. Installed new alternator P/N ES-10024 s/n H-0031051 with drive P/N 646655. Ran up aircraft - ops check good.</p> <p>-----End-----</p> <p>This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6694 and a copy has been provided to the owner/operator.</p> <p>Mark Maljanian A&P 33545223 <i>MMJ</i></p>										
Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net										
8/14/14	Hobbs: 2506.4		Tach: 2845.9		N 531SR		Engine Annual			
Compression Test X/80	#1: 78	#2: 76	#3: 76	#4: 76	#5: 78	#6: 78	Airframe Serial #:		2438	
Engine SMOH: 495.9	Performed the following annual inspection utilizing the manufacturer's annual inspection guide:									
<ol style="list-style-type: none"> Performed compression check on engine with the following results: #1- 78/80, #2- 76/80, #3- 76/80, #4- 76/80, #5- 78/80, #6- 78/80. Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of 20W50Phillips X/C oil. Ran up engine and leak checked - none found at this time. Removed and replaced #2, #4, #6 intake and exhaust and #1 and #3 intake exhaust gaskets as needed. Removed L/H magneto P/N BL-500556-1 s/n 013HA861R and R/H magneto P/N BL-500556-1 s/n 013Ha857R and installed L/H magneto P/N 10-500556-1 s/n D08BA116 and R/H magneto P/N 10-500-556-1 s/n D07BA110. Removed old mags. Removed induction pipes 3 and 5. Installed new mags. Swapped tach pickup R/H mag. Timed mags to engine. Reinstalled induction pipes. Mags were repaired by Quality Aircraft Accessories, Inc. under w/o WO1170015672.001 and WO1170015672.002. Removed and replaced engine air filter with new P/N BA24. Cleaned ignition leads with solvent. Retorqued all induction, exhaust and rocker box cover hardware. Serviced gascolator. Serviced propeller with grease. Dressed and painted back of propeller. Removed and replaced R/H muffler with new unit. Cleaned oil/air separator. Removed all spark plugs. Cleaned, inspected, set gaps, tested. Replaced (11) plugs with new P/N RHB32E. Installed other with new gasket P/N M674. Fabricated bracket and riveted to R/H rear baffle. Reconnected lines and hoses. Removed and replaced spinner screws and nylon washers with new as required. <p>-----Continue-----</p>										

NSR12

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					

- Rung wires out from probe to DAU. Inspected wires for grounds or shorts - none found. Removed wires to inspect for chaffs, nicks or defects - none found. Reassembled and retied bundle. Changed connector end on probe end.
- Washed and cleaned engine.
- C/W Airworthiness Directive research to 2014/16 biweekly issuance. This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6728 and a copy has been provided to the owner/operator.

I certify that this Engine has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA 

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

Date: 9/8/14	Hobbs: 2917.9	Flt: 2565.1	N 531SR	Serial #: 2438
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AFTT: Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

- Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of owner supplied 20W50 Phillips X/C oil. Ran up aircraft and leak checked - none found at this time.
- Removed and replaced L/H muffler assy with new P/N 14836-001.

-----End-----
This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6772 and a copy has been provided to the owner/operator.

Mark Maljanian A&P 33545223 

Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net

Date: 10/13/14	Hobbs: 2965.6	Tach: 2607.0	N 531SR	Engine Annual		
Compression Test X/80	#1: 72	#2: 71	#3: 71	#4: 68	#5: 70	#6: 72
TTAF: 2607.0				Airframe Serial #: 2438		

Performed the following annual inspection in accordance with FAR 43 Appendix D:

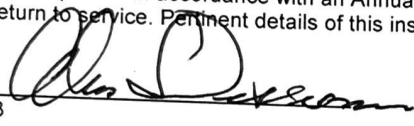
- Performed compression check on engine with the following results: #1- 72/80, #2- 71/80, #3- 71/80, #4- 68/80, #5- 70/80, #6- 72/80.
- Drained oil and removed filter to cut open and inspect for contaminants - none found. Installed new filter P/N CH48108-1. Oil sample was taken for analysis. Serviced engine with 8 Qts of 20W50 Phillips X/C oil. Ran up engine and leak checked - none found at this time.
- Removed all spark plugs. Cleaned, inspected, set gaps, tested and reinstalled with new gaskets P/N M674.
- Removed and replaced engine air filter with new P/N BA24.
- Serviced propeller with #6 Aeroshell. Dressed and painted back of propeller.
- Rotated upper alt air duct to allow RTV on duct to hit areas requiring cushion.
- Stop drilled crack on L/H front baffle.
- Isolated ignition lead on #2 cylinder injection line as needed.
- Stop drilled crack on center aft baffle R/H side.
- Stop drilled crack in baffle by lower reinforcement.
- Removed and replaced rocker box cover gaskets on # 3, #4, #6 with new gaskets P/N 655705.
- Removed and cleaned air/oil separator.
- Resealed attach bolts for MCU.
- Checked hardware on engine for looseness.
- Removed all fuel injectors. Cleaned and reinstalled in engine.
- Cleaned all ignition leads with solvent.
- Cleaned fuel strainer.
- Washed and cleaned engine.
- C/W Airworthiness Directive research to 2014/20 biweekly issuance.

-----End-----

- Date: 4/16/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3179.30; Tach: 2811.20; Total Time: 2811.20
- * Performed a 100 Hour Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.
 - * Performed a Differential Compression Check with the following results: Cylinder #1 68/80, Cylinder #2 70/80, Cylinder #3 68/80, Cylinder #4 72/80, Cylinder #5 62/80, Cylinder #6 68/80.
 - * Checked the Magneto Timing.
 - * Cleaned, gapped, and tested the spark plugs.
 - * Lubricated the engine controls and slip joints after cleaning.
 - * Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
 - * Adjusted the mixture control arm on the fuel pump and torqued. Adjusted the mixture control rod end for proper clearance in the panel and to hit both stops.
 - * Secured the Adel clamp on the right side of the engine mount that secures the EGT wires. Checked security on all remaining clamps.
 - * Removed a damaged section from the rear scat tube on the right muffler shroud.
 - * Fabricated a patch and riveted to the forward baffle behind the propeller.
 - * Cleaned the fuel flow transducer baffle and applied RTV to the plug.
 - * Adjusted the baffle at the #5 cylinder and secured with RTV.
 - * Removed all screws from the left and right baffles over the rocker box covers. Reinstalled the screws with new lock washers and flat washers.
 - * Installed 12 new Tempest URHB32E spark plugs.
 - * Drilled out a broken rivet and replaced on the baffle behind the right magneto.
 - * Removed the #5 cylinder exhaust rocker cover. Staked the valve and re-tested the compression. Compression rose to within acceptable limits. Remove the old gasket and cleaned the covers. Reinstalled the rocker cover with a gasket p/n 655705 and torqued the screws. Performed an engine ground run and leak check with no leaks noted.

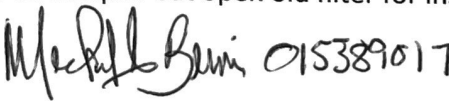
I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
 Date: 4/16/2015, W/O: 15653
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y



5/8/15 N531SR Cirrus SR22 S/N 2438 Hobbs 3251.2

Changed engine oil and oil filter. Took engine oil sample. Cut open old filter for inspection, all found ok. Serviced with 7 quarts of Philips 20w50 oil.



ENGINE MODEL: IO-550-N
 ENGINE S/N: 1008957
 REG NO: 531SR
 WORK ORDER: 1645-05-2015



Performance Flight
 136 Tower Road, Hangar M
 West Harrison, NY 10604
 Phone: 914-397-1444

DATE: 5/18/2015
 A/C TSN: 3277.8
 ENG TT: 2904.1
 FLIGHTTIME: 2904.1

Engine Entries

- Client requests investigate no crank, no start.... Removed Sky-Tec C24ST5 s/n 4C5-511017 and installed new CMI p/n 657596 s/n 4C3-391412 IAW applicable Cirrus SR-22 AMM 80-10. Completed satisfactory ground function check of work performed with no discrepancies noted.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 5/18/2015

SIGNED:

Tim Fox, A&P: 3560697



Work Order: 1645-05-2015

Printed by EBis 3 (datcomedia.com)

Total Time

Time Since Last Overhaul

Engine Service and Maintenance Record



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 7/16/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3387.30; Tach: 3008.70; Total Time: 3008.70

* Performed a 100 Hour Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 69/80, Cylinder #2 73/80, Cylinder #3 70/80, Cylinder #4 69/80, Cylinder #5 64/80, Cylinder #6 74/80.

* Cleaned, gapped, and tested the spark plugs.

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Removed all hoses from the Airwolf air/oil separator. Removed the separator and cleaned. Replaced the main grommet. Applied RTV and anti-chafe protection where needed. Reinstalled the air/oil separator and secured. Work was performed in accordance to the Airwolf ICA's.

* Removed and replaced the air/oil separator breather hose with the correct size. Installed new baffle grommets.

* Repositioned the throttle cable and secured with tywraps and RTV to prevent chafing.

* Re-torqued all rocker box covers to manufacturer's specifications.

* Inspected the #6 CHT probe wires and connectors with no discrepancies found. Applied Stabilent 22 to the connector pins. Re-routed the EGT and CHT probe wire harness on the left side away from the muffler and exhaust. Repositioned the Adel clamps and tywrapped the harness as required. Performed an engine ground run. The #6 CHT readings are stable but read lower than the rest.

* Removed the starter adapter drive p/n 642083 s/n CAS-2640. Cleaned the crankcase flange of gasket material. Installed an overhauled starter adapter p/n 642083-A2 s/n CAM11-458 with a new gasket and torqued to manufacturer's specifications. Performed several engine starts with satisfactory results.

* Removed the #3 and #4 induction tubes. Removed both magnetos p/n 10-500556-1 (lt s/n D17BA116, rt s/n D17BA110.) Installed rebuilt magnetos p/n BL-500556-1 (lt s/n D14GA041R, rt s/n D14GA050R - see 8130s.) Timed both magnetos to the engine in accordance with manufacturer's specifications. Reinstalled the #3 and #4 induction tubes with new gaskets and torqued to manufacturer's specifications.

* Removed the fuel nozzles and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted. Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued.

I certify that this engine has been inspected in accordance with a 100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 7/16/2015, W/O: 15757

Infinity Aviation Services LLC

FAA Certified Repair Station

#I6FR992Y

Autumn Air Services.		557 Crawford St. Fitchburg, MA 01420		(978) 343-5727	
Date:	7-21-2015	N	N531SR	Hrs.:	3024.8 FLT HOBBS
Tech:	Jeff Hill	A&P:	3207556	Sign:	
Description of Work:		Engine			
1. Removed governor p/n C290D3-R/T23, s/n 040387.					
2. Installed serviceable governor p/n D210760, s/n 00486 using new gasket p/n AA9144, torqued hardware.					
3. Run-up aircraft and leak checked.					
4. Checked static RPM output.					
5. Retorqued all RBC gaskets.					
6. The systems affected were operationally tested with no discrepancies noted.					
7. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End					
Autumn Air Services.		557 Crawford St. Fitchburg, MA 01420		(978) 343-5727	
Date:	7-28-2015	N	N531SR	Hrs.:	3060.8 FLIGHT HOBBS
Tech:	Jeff Hill	A&P:	3207556	Sign:	
Description of Work:		Engine			
1. Changed oil and filled with: Phillips X/C.					
2. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.					
3. Washed engine, run up and leak checked.					
4. The systems affected were operationally tested with no discrepancies noted.					
5. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End					

		Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record		Removal and Directives
Autumn Air Services.		557 Crawford St. Fitchburg, MA 01420	(978) 343-5727			
Date:	8-5-2015	N	N531SR	Hrs.:	3087.9 FLT HOBBS	
Tech:	Jeff Hill	A&P:	3207556	Sign:	<i>[Signature]</i>	
Description of Work:		Engine				
1. Removed serviceable governor p/n D210760, s/n 00486.						
2. Reinstalled overhauled governor p/n C290D3-R/T23, s/n 040387, installed new gasket p/n AA9144, torqued hardware. Governor overhauled by New England Propeller Service, Inc. under w.o.# CR-41938.						
3. Run-up and leak checked, checked static RPM output.						
4. The systems affected were operationally tested with no discrepancies noted.						
5. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.						End



Date: 8/13/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3491.60; Tach: 3110.50; Total Time: 3110.50
* I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 8/13/2015, W/O: 15796
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y



Date: 8/20/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3491.60; Tach: 3110.50; Total Time: 3110.50
* Removed all cylinder rocker covers. Cleaned the covers and found two of the covers were damaged. Installed new covers p/n 655725. Cleaned the cylinder surfaces. Installed 12 new REAL silicone gaskets p/n RG-632459 in accordance with manufacturer's instructions.

Signature: Alan Desrosiers
Date: 8/20/2015, W/O: 15798
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y

		Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record		Removal and Directives
Autumn Air Services.		557 Crawford St. Fitchburg, MA 01420	(978) 343-5727			
Date:	8-27-2015	N	N531SR	Hrs.:	FLT Hobbs:3153.9	
Tech:	Jeff Hill	A&P:	3207556	Sign:	<i>[Signature]</i>	

Description of Work: Engine

1. Changed oil and filled with: Phillips X/C.
2. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
3. Washed engine.
4. Run up and leak checked, no disc noted.
5. The systems affected were operationally tested with no discrepancies noted.
6. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.

End

		Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record		Removal and Directives
Autumn Air Services.		557 Crawford St. Fitchburg, MA 01420	(978) 343-5727			
Date:	9-29-2015	N	N531SR	Hrs.:	Flt hobbs: 3212.8	
Tech:	Jeff Hill	A&P:	3207556	Sign:	<i>[Signature]</i>	

Description of Work: Engine 100 HR

1. Tach: 3212.8, SMOH: 1202.3, Prop SMOH: 1743.4.
2. Compression test: 1) 74 2) 72 3) 71 4) 71 5) 66 6) 76 over 80 PSI.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
6. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
7. Checked fuel pressures per Manufacturer specs.
8. Adjusted magneto timing as needed.
9. Removed defective starter adapter. Installed overhauled starter adapter P/N 642083-A2, S/N CAM15-084 overhauled by Canadian Aero Manufacturing under W.O. # 15-084.
10. The systems affected were operationally tested with no discrepancies noted.
11. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.

End

Autumn Air Services. 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727
 Date: 2015 N531SR Hrs.: 3212.8
 Tech: Jeff Hill A&P: 32075561A Sign: *[Signature]*
 Description of Work: Engine
 1. I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in airworthy condition and is approved for return to service. End.

Time Since Last



Date: 11/03/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3640.40; Tach: 3258.70; Total Time: 3258.70
 * Complied with 50 hour interval inspection in accordance with the Cirrus Scheduled Maintenance Manual.
 * Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
 * Visually inspected the oil sump plug for general condition.
 * Visually inspected the high tension ignition harnesses and leads.
 * Performed inspection/checked exhaust system.
 * Visually inspected breather tube for obstructions and security.
 * Inspected the engine area for oil leaks and signs of oil leaks by the exhaust and engine breather with no discrepancies noted at this time.

Signature: Alan Desrosiers
 Date: 11/3/2015, W/O: 15897
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

12-11-15 Hobbs: 3671.3 FLT Hobbs: 3289.6

Removed Engine M/N IO-550-n s/n 1008957
From Aircraft for Overhaul.

End 3202556 ATP



VICTOR AVIATION SERVICES, INC.
 P.O. BOX 50608
 PALO ALTO, CA 94303-0608
 (650) 856-7616

F.A.A. CERTIFIED
 REPAIR STATION #BJ3R399L

A/C Reg. # N531SR A/C Ser. # 2438 W.O. # 17176
 Engine Make CMI Model IO550N
 Serial # 1008957 Eng. T.T. S.M.O.H. "0"
 A/F T.T. Hobbs Time Tach Time

1. Engine major overhauled I/AW the current overhaul manual for this model with new CMI cylinders and camshaft.
2. Overhaul included the following accessories: Fuel injection system, starter, magnetos, and ignition harness.
3. Installed General Aviation Modifications modified injector nozzles I/AW STC SE09963SC, see FAA form 337 dated 01/26/2016.
4. The engine identified above has been inspected and repaired in accordance with current Federal Air Regulations and has been determined to be in airworthy condition for the work performed. Pertinent details of the repair are on file at this agency under work order number 17176, dated 12/11/2015.
5. Engine was test run satisfactorily upon completion of above work.
6. See rear of log for A.D. listing.
7. Engine was not installed by this agency..
8. Nothing follows.

Inspector
 For repair station of Victor Aviation Services, Inc.

Date		Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record	
Autumn Air Services.		557 Crawford St. Fitchburg, MA 01420	(978) 343-5727	Record maintenance actions including engine part removal and /es,	
Date:	2-27-2016	N	N531SR	Hrs.:	FLT Hobbs: 3289.6
Tech:	Jeff Hill	A&P:	3207556	Sign:	<i>[Signature]</i>
Carrier	Description of Work:				
	<ol style="list-style-type: none"> Reinstalled after overhaul by Victor Aviation Services, Inc. under W.O.# 17176. Reinstalled engine using new Barry engine mounts P/N 96301-01, installed with new locking hardware and torqued mounting bolts. Removed propeller M/N PHC-J3YF-1N-N7605B, S/N FP6404B for overhaul. Reinstalled propeller M/N PHC-J3YF-1N-N7605B, S/N FP6404B after overhaul by New England Propeller Services under W.O.# CR-42214. Installed using new locking hardware and torqued. Removed propeller governor P/N C290D3-R/T23, S/N 040387. Reinstalled after overhaul by New England Propeller Services, Inc. under W.O.# CR-42404. Installed using new mounting gasket and locking hardware. Removed #2 alternator P/N BC410-1, S/N 0564797X. Installed overhauled #2 alternator P/N BC410-1, S/N 0921393. Installed using new gasket and locking hardware, and torqued. Installed new starter P/N C24ST5, S/N 4C5-431523. Reinstalled Reiff heater system and secured. Reinstalled air conditioner drive and compressor using new gasket and hardware. Cleaned Airwolf Air/oil separator. Reinstalled and secured hoses and clamps. Reinstalled exhaust stacks and mufflers using new gaskets and locking hardware. Reinstalled CHT and EGT probes. Installed new engine air filter P/N BA24. Run up and leak checked fuel and oil systems. No disc noted. The systems affected were operationally tested with no discrepancies noted. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End 				



Date: 3/25/2016; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3694.20; Tach: 3312.50; Total Time: 3312.50
 * Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.
 * Performed a Differential Compression Check with the following results: Cylinder #1 73/80, Cylinder #2 75/80, Cylinder #3 76/80, Cylinder #4 75/80, Cylinder #5 76/80, Cylinder #6 74/80.
 * Cleaned, gapped, and tested the spark plugs.
 * Lubricated the engine controls and slip joints after cleaning.
 * Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
 * Adjusted the left and right magneto timing to within manufacturer's specifications.
 * Removed damaged and peeling tape from the left lower cowl. Cleaned the area and applied new tape as required.
 * Removed and replaced the nose strut aft close out p/n 20665-003.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers *[Signature]*
 Date: 3/25/2016, W/O: 16039
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y



Date: 5/12/2016; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3739.20; Tach: 3357.50; Total Time: 3357.50
 * Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48108-1, torqued and safetied. Added 7 quarts of Phillips 20W50XC oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
 * Found the wiring for the #4 and #6 CHT probes were reversed. Cleaned the contacts on the #4 and #6 CHT connectors and connected the wires correctly.

Signature: Alan Desrosiers *[Signature]*
 Date: 5/12/2016, W/O: 16086
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

Autumn Air Services.

Date: 6-8-2016
Tech: Jeff Hill

557 Crawford St. Fitchburg, MA 01420
N N531SR
A&P: 3207556IA

(978) 343-5727
Hrs.:
Sign: FLT HOBBS: 3414.9

Description of Work:

Engine

1. Tach: 3414.9, SMOH: 125.3, Prop SMOH: 125.3.
2. Compression test: 1) 74 2) 75 3) 76 4) 76 5) 74 6) 73 over 80 PSI.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
6. Cleaned servo inlet screen.
7. Cleaned the injector nozzles.
8. Lubed engine controls.
9. Tightened hose clamps and rocker cover screws.
10. Removed oil cooler. Installed new oil cooler P/N 8000953, S/N 4041184. Installed using new gasket P/N 649989. Installed using new locking hardware.
11. Checked magneto timing. No disc noted.
12. Washed engine, run up and leak checked.
13. The systems affected were operationally tested with no discrepancies noted.
14. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
15. I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in airworthy condition. End

cord
al and
ctives,

Autumn Air Services

Date: 6-29-2016
Tech: Jeff Hill

557 Crawford St. Fitchburg, MA 01420
N N531SR
A&P: 3207556

(978) 343-5727
Hrs.:
Sign: FLT HOBBS: 3441.9

Description of Work:

Aircraft

1. Removed Alt #2 P/N BC410-1, S/N 0921393.
2. Installed overhauled Alt #2 P/N BC410-1, S/N 0231739, overhauled by B&C Specialty Products, under W.O> #060916-1739. Installed using new gasket P/N 653487 and new locking hardware. Run-up and leak checked. Ops checked, no disc noted.
3. Recalibrated Magnometer per M.M. chapter 34-20 Para G(3).
4. The systems affected were operationally tested with no discrepancies noted.
5. All work was performed i/a/w the manufacturer's service instructions and AC43.13.1B.
6. End.

Autumn Air Services.

Date: 7-6-2016
Tech: Jeff Hill

557 Crawford St. Fitchburg, MA 01420
N N531SR
A&P: 3207556

(978) 343-5727
Hrs.:
Sign: FLT HOBBS: 3454.2

Description of Work:

Engine

1. T/S Alternator 1. Found to be intermittent. Removed alternator P/N ES-10024, S/N H-0031051.
2. Installed new alternator P/N ES-10024, S/N H-P030562. Installed using new gasket P/N 659961 and locking hardware. Run-up and leak checked. Checked output at full load.
3. Swapped Alternator drive slip clutch to new alternator, Torqued and safetied.
4. Performed 500HR inspection on slip clutch assy. Next due FLT HOBBS: 3954.2
5. The systems affected were operationally tested with no discrepancies noted.
6. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End

Autumn Air Services.

Date: 8-1-2016
Tech: Jeff Hill

557 Crawford St. Fitchburg, MA 01420
N N531SR
A&P: 3207556

(978) 343-5727
Hrs.:
Sign: FLT HOBBS: 3467.0

Description of Work:

Engine

1. Changed oil and filled with: Phillips X/C.
2. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
3. Washed engine and leak checked.
4. Run up, no disc noted.
5. The systems affected were operationally tested with no discrepancies noted.
6. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End

Date: 9/01/2016; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3897.20; Tach: 3515.10; Total Time: 225.50
*Performed a 100 Hour/Annual Inspection of the Engine in accordance with the Inspection checklist contained in the SR22 Maintenance Manual.

Performed a Differential Compression Check with the following results: Cylinder #1 70/80, Cylinder #2 70/80, Cylinder #3 75/80, Cylinder #4 70/80, Cylinder #5 70/80, Cylinder #6 68/80

Checked the Magneto Timing.

Cleaned, gapped, and tested the spark plugs.

Lubricated the engine controls and slip joints after cleaning.

Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted.

Installed a new oil filter CH48108-1, torqued and safetied. Added 8 quarts of Phillips 20w50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

*Removed and replaced right side exhaust muffler p/n 14837-001 overhauled by Dawley Aviation.

*Reposition the right side engine baffle to prevent chafing into #5 cylinder.

*Removed safety wire from secondary oil sump drain plug, re torqued, safetied and checked for leaks. No leaks noted at this time.

*Fabricated doubler from .040 aluminum, etched and alodined. Matched drilled to the baffle behind the magnetos and riveted in accordance with AC43.13.

*Stop drilled small crack in the engine baffle behind the propeller.

Signature: Alan Desrosiers 

Date: 09/01/2016, W/O: 16238

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

Autumn Air Services.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 10-19-2016

N

N531SR

Hrs.:

FLT HOBBS: 3566.5

Tech: Jeff Hill

A&P:

3207556

Sign: 

Description of Work:

Engine

1. Changed oil and filled with: Phillips X/C.
2. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: aa48108-2.
3. Took sample.
4. Washed engine.
5. Run up and leak checked. No disc noted.
6. The systems affected were operationally tested with no discrepancies noted.
7. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End



Suncoast Maintenance Center
224 Airport Ave. East
Venice, Fl. 34285
941-484-6546

FLT HOBBS: 3604.9
HOBBS: 4010.2
TTENG: 1594.4
TSMOH: 315.3
DATE: 1/20/17

ENGINE LOG

Performed 100 hr inspection on Engine in accordance with the SR22 MM checklist. Opened and closed cowling. Complied with AD research to 2017/01 biweekly issuance. Performed compression check: #1 72 #2 71 #3 72 #4 70 #5 65 and #6 70/80. Cleaned, inspected and gapped spark plugs. Checked Magneto timing. Readjust Left mag timing and installed new hardware. Replaced rocker cover gaskets (#1, #2[left], #4, #5 and #6. Replaced EGT #2 Cyl. Replaced bolt and bushing on induction alternate air valve. Lubricate controls. Drained oil screen and cut filter, no metals noted Replaced oil filter with new part. Drained and serviced engine with oil Phillips 20w50 (8qts). Ran up and leak checked engine. Operational check and leak check, OK.


ZURIEL Y. OLAYVAR AP3108620

Where the user/installer performs work in accordance with the national regulations specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness statements in Blocks 13a and 14a do not constitute installation certification. In all cases, national regulations by the User/Installer. Before the aircraft may be flown.

5/2/2017 N531SR Cirrus SR22 FLT 3668.6 Hobbs 4088.8

Changed engine oil and oil filter. Serviced with Phillips 20w50 oil. Cut open filter, found ok.

Michael Berni 015389017

Record

removal and Directives,

N531SR 5/24/17 Cirrus SR22 S/N 2438 Flt. Time 3695.6 Hobbs 4125

Removed and replaced engine driven fuel pump assembly P/N 655921-6, S/N B07KA194 Overhauled assembly. Check fuel pressures as per Teledyne Continental SID 97-3C.

Michael Berni 015389017

Autumn Air Services.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 6-23-2017
Tech: Jeff Hill

N
A&P: 3207556LA

Hrs.: FLT HOBBS: 3703.9
Sign: *[Signature]*

Description of Work: Engine

Tach: 3703.9, SMOH: 414.3, Prop SMOH: 414.3.

Compression test: 1) 73 2) 72 3) 72 4) 73 5) 70 6) 72 over 80 PSI.

Changed oil and filled with: Phillips X/C.

Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.

Took oil sample.

Cleaned, gapped and inspected spark plugs, installed with new gaskets.

Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.

Checked magneto timing as needed.

Checked unmetered fuel pressures.

0. Washed engine, run up and leak checked. NO disc noted.
1. The systems affected were operationally tested with no discrepancies noted.
12. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
13. I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in airworthy condition. End

Cornerstone Aviation

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 9-6-2017
Tech: Jeff Hill

N
A&P: 3207556

Hrs.: FLT HOBBS: 3775.9
Sign: *[Signature]*

Description of Work: Engine

1. Tach: 3775.9, SMOH: 486.3.
2. Changed oil and filled with: Phillips X/C.
3. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
4. Took oil sample.
5. Washed engine.
6. Run up and leak checked.
7. The systems affected were operationally tested with no discrepancies noted.
8. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End


ASE CERTIFICATE


BUSINESS APPROVAL TAG

Quantity:	10	Serial Number:	H-R010727	3. Form Tracking Number:	H-R010727
Y, AL. 36108				5. Work Order/Contract/Invoice Number:	M952780
				Status/Work:	NEW

Cornerstone Aviation 557 Crawford
 Date: 9-30-2017 N N5
 Tech: Jeff Hill A&P: 321
 Description of Work: Eng
 1. Tach: 3803.4, SMOH: 513.8, Prop SMOH: 513.8.
 2. Compression test: 1) 72 2) 72 3) 68 4) 72 5) 68 6)
 3. Changed oil and filled with: Phillips X/C.
 4. Removed and inspected oil filter (i/a/w SI1492
 5. Cleaned, gapped and inspected spark plugs, i
 6. Cleaned the injector nozzles. Lubed engine co
 7. Removed magnetos P/N 10-500556-1, S/N LH: I
 8. Installed Overhauled magnetos from Quality L
 LH P/N, 10-500556-1, S/N D02HA115, LH P/N, 11
 new gaskets and locking hardware. Next 500H
 9. Checked engine un-metered fuel pressures. N
 10. Run up and leak checked.
 11. Washed engine.
 12. The systems affected were operationally teste
 13. All work was performed i/a/w manufacturer's
 14. I certify that this Engine has been inspected i/
airworthy condition. End

Cornerstone Aviation. 557 Crawf
 Date: 10-20-2017 N N
 Tech: Jeff Hill A&P: 32
 Description of Work: Eng
 1. Changed oil and filled with: Phillips X/C.
 2. Removed and inspected oil filter (i/a/w SI149
 3. Took oil sample.
 4. Removed defective starter P/N C24ST5, S/N:
 5. Installed new starter P/N C24ST5, S/N: H-R01
 6. The systems affected were operationally test
 7. All work was performed i/a/w manufacturer's

Cornerstone Aviation. 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727
 Date: 12-29-2017 N N531SR Hrs.: FLT HOBBS: 3904.7
 Tech: Jeff Hill A&P: 3207556LA Sign: 
 Description of Work: Engine Annual 2017
 1. Tach: 3904.7, SMOH: 615.1, Prop SMOH: 615.1.
 2. Compression test: 1) 72 2) 68 3) 68 4) 73 5) 67 6) 70 over 80 PSI. Metered orifice 46/80.
 3. Changed oil and filled with: Phillips X/C.
 4. Took oil sample.
 5. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
 6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
 7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
 8. Checked magneto timing.
 9. Checked unmetered fuel pressures.
 10. Performed Alternator #1 inspection. Next due FLT HOBBS: 4404.7
 11. Run up and leak checked.
 12. The systems affected were operationally tested with no discrepancies noted.
 13. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
 14. I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in
airworthy condition. End

Cornerstone Aviation. 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727
 Date: 4-11-2018 N N531SR FLT HOBBS: 3959.8
 Tech: Jeff Hill A&P: 3207556 Sign: 
 Description of Work: Engine
 1. Changed oil and filled with: Phillips X/C.
 2. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
 3. Took oil sample.
 4. Performed 500HR inspection on alternator #1, inspected brushes and drive coupling. No disc noted.
 Reinstalled using new gasket P/N 653981 and locking hardware.
 5. Run up and leak checked. No disc noted.
 6. The systems affected were operationally tested with no discrepancies noted.
 7. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End

Cornerstone Aviation.		557 Crawford St. Fitchburg, MA 01420		(978) 343-5727
Date:	5-24-2018	N	N531SR	Hrs.: FLT HOBBS: 4006.9
Tech:	Jeff Hill	A&P:	3207556IA	Sign:
Description of Work:		Engine Annual 2018		

Carrie

1. Tach: 4006.9, SMOH: 717.3, Prop SMOH: 717.3.
2. Compression test: 1) 72 2) 64 3) 64 4) 71 5) 62 6) 70 over 80 PSI. Metered orifice 44/80.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Took oil sample.
6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
8. Removed defective starter P/N C24ST5, S/N H-R010727.
9. Installed new starter P/N C24ST5, S/N 4C5-271636. Ops checked good.
10. Checked magneto timing.
11. Checked unmetered fuel pressures as needed.
12. Run up and leak checked.
13. Washed engine.
14. The systems affected were operationally tested with no discrepancies noted.
15. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
16. I certify that this Engine has been inspected i/a/w an Annual/100HR inspection and determined to be in airworthy condition. End

Cornerstone Aviation.		557 Crawford St. Fitchburg, MA 01420		(978) 343-5727
Date:	6/11/2018	N	N531SR	Hrs.: FLT HOBBS: 4052.2
Tech:	Jeff Hill	A&P:	3207556IA	Sign:
Description of Work:		Engine Progressive Phase I		

1. Tach: 4052.2, SMOH: 762.6, Prop SMOH: 762.6.
2. Changed oil and filled with: Phillips X/C.
3. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
4. Washed engine.
5. Run up and leak checked, no disc noted.
6. The systems affected were operationally tested with no discrepancies noted.
7. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
8. I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE I and determined to be in airworthy condition. End

Cornerstone Aviation.		557 Crawford St. Fitchburg, MA 01420		(978) 343-5727
Date:	7-12-2018	N	N531SR	Hrs.: FLT HOBBS: 4105.2
Tech:	Jeff Hill	A&P:	3207556IA	Sign:
Description of Work:		Engine Progressive Phase II		

1. Tach: 4105.2, SMOH: 815.6, Prop SMOH: 815.6.
2. Compression test: 1) 72 2) 67 3) 65 4) 67 5) 60 6) 66 over 80 PSI. Metered orifice 44/80.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Took oil sample.
6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
8. Adjusted magneto timing as needed.
9. Checked un-metered fuel pressures.
10. Washed engine.
11. The systems affected were operationally tested with no discrepancies noted.
12. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
13. I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE II and determined to be in airworthy condition. End

Cornerstone Aviation.		557 Crawford St. Fitchburg, MA 01420		(978) 343-5727
Date:	7/29/2018	N	N531SR	Hrs.: FLT HOBBS: 4158.8
Tech:	Jeff Hill	A&P:	3207556IA	Sign:
Description of Work:		Engine Phase III		

1. Tach: 4158.8, SMOH: 869.2, Prop SMOH: 869.2.
2. Changed oil and filled with: Phillips X/C.
3. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
4. Washed engine. Run up and leak checked.
5. The systems affected were operationally tested with no discrepancies noted.
6. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
7. I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE III and determined to be in airworthy condition. End

Date: 8/28/2018 N N501SP Hrs.: FLT HOBBS: 4204.0
 Tech: Jeff Hill A&P: 3207556IA Sign:

Description of Work: Engine Progressive Phase II

1. Tach: 4204.0, SMOH: 914.4, Prop SMOH: 914.4.
2. Compression test: 1) 71 2) 76 3) 64 4) 74 5) 65 6) 65 over 80 PSI. Metered orifice 44/80.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Took oil sample.
6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
8. Adjusted magneto timing as needed.
9. Checked un-metered fuel pressures.
10. Washed engine.
11. The systems affected were operationally tested with no discrepancies noted.
12. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
13. I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE II and determined to be in airworthy condition. End

TT 4210.2
920.6
SMOH

Can
S

ard
and
yes,
7.

Sent to Aerotec Engines.

End

[Signature] 3207556
ATP


This is to certify that the engine described hereafter has been torn down, cleaned and inspected for metal contamination and replace broken crankshaft gear bolts. Reassembled engine with all new C/S gear bolts and dowel, All new main and rod bearings, as well as all new seals locks and gaskets. All cylinders were honed and new rings installed. Mags bench tested and reinstalled as removed. Installed Overhauled starter adapter supplied by customer. All other accessories reinstalled as removed. A performance inspection run was conducted in a precision test cell and this engine meets all design criteria. A description of all work performed is on file at this agency. **AMO# 6-96**

MAKE TCM W.O. # 13458
 MODEL IO-550-N T.S.O. 920.6-hrs
 SERIAL # 1008957 T.T. Unknown



AEROTEC ENGINES LIMITED
 740 Windgate Drive
 Beaver Bank, NS, B4G 0A6
 902-873-3100

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Authorized Signature *[Signature]* Date Dec 9/18 Lic. Stamp 

**Note: New rings in all cylinders. Engine must be run with an approved mineral oil for the next 50 hours.
 100LL is the only gas recommended for this engine.**



AEROTEC ENGINES LIMITED
 740 Windgate Drive
 Beaver Bank, NS, B4G 0A6

10/17/18 FLT HOBBS: 4210.2 SMOH 920.6.

Reinstalled Engine after repair by Aerotec Engines Limited. Reinstalled all associated accessories. Reinstall/w propeller. Run up and leak checked. NO DISC NOTED. Checked un-metered fuel pressure. NO DISC. NOTED.

End

[Signature] 3207556
ATP

10/17

Cornerstone Aviation.

Date: 11/5/2018

N

N531SR

Hrs.:

FLT HOBBS

and res,

Tech: Jeff Hill

A&P:

3207556IA

Sign:

Description of Work:

Engine

1. Tach: 4219.9, SMOH: 930.3, Prop SMOH: 930.3.
2. Compression test: 1) 76 2) 73 3) 74 4) 75 5) 76 6) 74 over 80 PSI.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Performed 10hr engine inspection after reinstallation.
6. The systems affected were operationally tested with no discrepancies noted.
7. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End

Cornerstone Aviation.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 4/25/19

N

N531SR

Hrs.:

FLT HOBBS: 4253.3

Tech: Jeff Hill

A&P:

3207556IA

Sign:

Description of Work:

Engine Phase II

1. Tach: 4253.3, SMOH: 963.7, Prop SMOH: 963.7.
2. Compression test: 1) 76 2) 70 3) 68 4) 76 5) 72 6) 75 over 80 PSI. Metered orifice reading 44/80
3. Changed oil and filled with: Aeroshell 15w50.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Took oil sample.
6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
8. Replaced crankshaft seal with new P/N 641250.
9. Removed magnetos P/N 10-500556-1, S/N RH, D04DA062R, LH D03DA006.
10. Installed overhauled magnetos P/N 10-500556-1, S/N RHD05KA108, LH D01KA057. Installed using new gaskets and locking hardware. Timed to engine.
11. The systems affected were operationally tested with no discrepancies noted.
12. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
13. *I certify that this ENGINE has been inspected i/a/w an Phase II, IV, V and Annual inspection and determined to be in airworthy condition.* End.

Cornerstone Aviation.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 6/18/2019

N

N531SR

Hrs.:

FLT HOBBS: 4312.1

Tech: Jeff Hill

A&P:

3207556

Sign:

Description of Work:

Engine Progressive Phase I

1. Tach: 4312.1, SMOH: 1022.5, Prop SMOH: 1022.5.
2. Changed oil and filled with: Phillips X/C.
3. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
4. Took oil sample
5. Washed engine.
6. Run up and leak checked, no disc noted.
7. The systems affected were operationally tested with no discrepancies noted.
8. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
9. *I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE I and determined to be in airworthy condition.* End

Cornerstone Aviation.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 7/30/2019

N

N531SR

Hrs.:

FLT HOBBS: 4360.8

Tech: Jeff Hill

A&P:

3207556

Sign:

Description of Work:

Engine Progressive Phase II

1. Tach: 4360.8, SMOH: 1071.2, Prop SMOH: 1071.2.
2. Compression test: 1) 72 2) 70 3) 68 4) 68 5) 72 6) 72 over 80 PSI. Metered orifice 44/80.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Took oil sample.
6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
8. Adjusted magneto timing as needed.
9. Checked un-metered fuel pressures.
10. Washed engine.
11. The systems affected were operationally tested with no discrepancies noted.
12. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
13. *I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE II and determined to be in airworthy condition.* End

Cornerstone Aviation.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 9/9/2019

N

N531SR

Hrs.:

FLT HOBBS: 4411.3

Tech: Jeff Hill

A&P:

3207556

Sign:

Description of Work:

Engine Phase III

1. Tach: 4411.3, SMOH: 1121.7, Prop SMOH: 1121.7.
2. Changed oil and filled with: Phillips X/C.
3. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
4. Washed engine. Run up and leak checked.
5. The systems affected were operationally tested with no discrepancies noted.
6. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
7. I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE III and determined to be in airworthy condition.

End

Cornerstone Aviation.

113 Perimeter Rd Nashua, NH 03063

Date: 3/25/2020

N

N531SR

Hrs.:

FLT HOBBS: 4462.6

Tech: Jeff Hill

A&P:

3207556

Sign:

Description of Work:

Engine Progressive Phase II

1. Tach: 4462.6, SMOH: 1173.0, Prop SMOH: 1173.0.
2. Compression test: 1) 78 2) 74 3) 70 4) 72 5) 77 6) 74 over 80 PSI. Metered orifice 46/80.
3. Changed oil and filled with: Phillips X/C.
4. Removed and inspected oil filter (i/a/w SI1492b) with no contaminants noted. Replaced with: AA48108-2.
5. Took oil sample.
6. Cleaned, gapped and inspected spark plugs, installed with new gaskets.
7. Cleaned the injector nozzles. Lubed engine controls. Tightened hose clamps and rocker cover screws.
8. Adjusted magneto timing as needed.
9. Performed ALT #1 500hr inspection. No disc noted.
10. Checked un-metered fuel pressures.
11. Washed engine.
12. The systems affected were operationally tested with no discrepancies noted.
13. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B.
14. I certify that this Engine has been inspected i/a/w Cirrus Progressive inspection PHASE II, IV, V, ANNUAL and determined to be in airworthy condition.

End

wo: AX001379

Engine page 1 of 1



Air Bear Aviation, Inc. - 191 Old Burley Street - Danvers, MA 01923 - (978) 914-3138

N531SR

Continental, IO550N47B, S/N: 1008957

March 1, 2021

TACH: 4497.0

ETT: 1208.0

1. Complied with an annual inspection in accordance with the Cirrus SR22 AMM checklist and the M-0 manual. Reviewed ADs and checked for compliance thru biweekly issue 2021-04. Ground ran engine and accomplished a compression check results as follows- #1-77, #2-75, #3-72, #4-73, #5-76, #6-75.
2. Accomplished oil change. Drained oil and removed oil filter, cut open filter and inspected for contaminants with no defects noted. Installed a new oil filter p/n CH48108. Serviced the sump with 8qt Phillips 20w-50 oil. Ground ran engine and checked for leaks with none noted at this time.
3. Removed all fuel nozzles and cleaned. Reinstalled to the engine in original locations using new orings and seals. Pressurized fuel system and checked for leaks with no defects noted. Accomplished fuel system pressure check per M-0 manual, unmetereed, metered, fuel flow, and idle mixture all within limits at this time.
4. Removed all spark plugs and cleaned, inspected, gapped, tested, and reinstalled to the engine with new gaskets. Checked magneto to engine timing per engine dataplate. Accomplished ignition high tension lead check with no defects noted.
5. Accomplished post maintenance runup, idle thru static, and found all temperatures and pressures within limits at this time. Checked magnetos, alternate air, and all other engine controls with no defects or leaks noted at this time.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Air Bear Aviation, Inc. under work order: AX001379.

I certify that this aircraft has been inspected IAW an annual inspection and was found to be in airworthy condition.

Dylan Peters A&P IA 3801823

COASTAL VALLEY
Aviation Inc.

ENGINE

(805)928-7701 • www.cvamx.com

DATE: 4/12/2021

N531SR

Continental IO-550-N SN 1008957

Hobbs: 4523.8

1. Adjusted idle mixture and idle speed per Cirrus AMM Chapter 73-20

Richard Holder A&P 3340719 IA

Engine Service and Maintenance Record

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

Carried forward →

7/21/2021	Flight Hobbs	45	36.1	Inspected engine for rough running condition. Comp check #1 70/80, #2 24/80, #3 58/80 s/c. Etc. #4 65/80, #5 24/80, #6 24/80. checked mag timing - ok - checked spark plugs & ignition leads - ok. No anomalies found. Aircraft returned to service for work performed. A# 23013346
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Flight Hobbs Tsmo

1-20-2022	4537.3	1247.7	PREFORM 50 HOUR INSPECTION T.A.W, CONTINENTAL M.M. TABLE 6-28 DRAIN ENGINE OIL, REMOVE FILTER & INSP. NO DEBRIS NOTED - INSTALL NEW CHAMPION CK48108-1 FILTER & 8 QTS PHILLIPS 20W-50 OIL. SOLVENT WASH ENGINE. CHECK CYL COMPRESSIONS 1 2 3 4 5 6 72/80 74/80 62/80 69/80 73/80 64/80 PASS INSTALL NEW INDUCTION AIR FILTER P/N BA-111. CHECK MAG TIMING LEFT + RIGHT 22° BTDC. PREFORM GROUND RUN & LEAK CHECK - OIL SEAPAGE FROM ALTERNATOR - REMOVED AIT P/N ES-10024 - COMPLIED WITH TCM SB11-3 & INSTALL NEW ALTERNATOR P/N ES-10024 S/N H-V111256 - PREFORM RUN UP & OPS CHECK - PASS - RETURN TO SERVICE FOR WORK PREFORMED
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A# 2747418
 J. [Signature]

