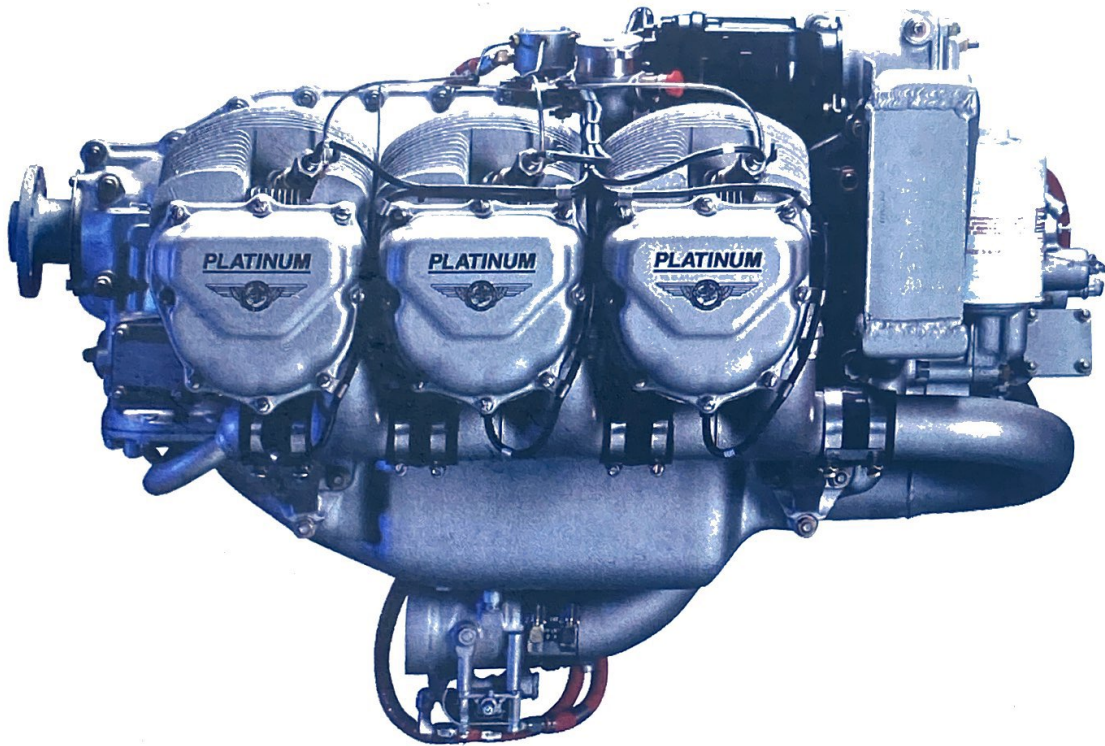


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 09/02/2007


This engine model I0550N50, Serial No. 691376 was manufactured on 09/01/2007 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
10/11/07	6	.2			THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC  OCT 11/2007 CDC _____ Cirrus Design Corporation Duluth, MN USA PC# 338CE


ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

19 October 2007 Flight Hobbs: 15.3 Hobbs Meter: 22.8

Changed engine oil and filter using (Phillips 20W-50 Type M). Cut oil filter open and inspected, no contaminants noted. Removed oil pan protective finish as required, cleaned away original adhesive and reinstalled engine sump preheat pad using Reiff Preheat Systems epoxy adhesive, operational check satisfactory. Post maintenance engine ground run-up, operational and leakage check satisfactory.

 **L. John Wells A&P 3221132 w/o 25636, 25638**

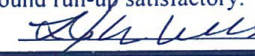
ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

24 October 2007 Flight Hobbs: Hobbs Meter: 27.0

Adjusted propeller governor high RPM setting and engine manifold pressure as needed. Post maintenance ground run-up satisfactory.

 **L. John Wells A&P 3221132 w/o 25654**


ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

18 December 2007 Flight Hobbs: 49.3 Hobbs Meter: 66.5

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

 **L. John Wells A&P 3221132 w/o 25880**

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry
26 March 2008 Flight Hobbs: 120.1 Hobbs Meter: 149.9

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

[Signature]

L. John Wells A&P 3221132

w/o 26268

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry
23 June 2008 Flight Hobbs: 173.4 Hobbs Meter: 213.0

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Adjusted #1 cylinder pushrod drain tube and heat shield to prevent further chafing. Resealed oil cooler AN Tee fitting and reducer and installed new safety. Stop-drilled cracks in left aft outboard baffle radius and sealed affected areas using high temperature RTV. Installed new intercooler discharge SCEET-5 air duct hose and applied high temperature RTV to prevent chafing. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Installed and adjusted new right hand turbocharger bracket P/N: ETI- G2-600-103-1 and support rod P/N: ETI-G2-600-17. Installed new slave wastegate clevis pin P/N: MS20392-1C21 using new safety. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Installed new cabin air induction SCEET air duct hose firewall installation kit P/N: 70194-001. Inspected and wiped down engine cowling.

Post inspection engine ground run-up, operational and leakage check satisfactory.

[Signature]

L. John Wells A&P 3221132

w/o 26645, 26653

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 691376 Engine Log Entry
16 July 2008 Flight Hobbs: 189.8 Hobbs Meter: 233.9

Adjusted engine manifold pressure to specified setting. Post adjustment ground run-up and operational check satisfactory.

[Signature]

L. John Wells A&P 3221132

w/o 26742

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 691376 Engine Log Entry

30 September 2008 Flight Hobbs: 225.3 Hobbs Meter: 290.3

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Inspected induction system and alternate air door for security and operation. Repositioned and secured case breather tube cushion type clamp. Inspected cylinder drains and engine case breather tube for obstructions. Adjusted position of wiring harness and installed new Reiff Preheat Systems grounding wire ring type terminal connector, operational check satisfactory. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. Lubricated throttle and propeller control cables and linkages, no further stiffness noted. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

L. John Wells L. John Wells A&P 3221132 w/o 27086

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 246.5

12 November 2008 Flight Hobbs: 246.5 Hobbs Meter: 308.3

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 73/80, #2) 75/80, #3, 75/80, #4) 73/80, #5) 78/80, #6) 76/80. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Adjusted left and right magneto to engine timing. Cleaned and resealed fuel injection nozzles. **Next fuel injection nozzle servicing due Flight Hobbs: 346.5.** Removed engine coked vapor deposits from case breather. Removed damaged mechanical rivet and installed new left hand aft baffle seal retainer machine screw and self-locking nut. Fabricated and installed new aft baffle support bracket adjacent to starter and tightened case through bolt to specified torque. Installed new alternator SCAT flexible air duct seal retainer rivet. Repositioned induction air SCAT flexible cross over air duct hose and applied high temperature RTV anti-chafe material. Repositioned and secured left hand and right hand exhaust aft heat shields. Installed new right hand aft outboard exhaust bracket P/N: 20155-009. Reversed left hand turbocharger lower lateral support shim, no further chafing on structure noted. Pressure tested exhaust system and cleaned away adhesive residue from tail pipes. Washed engine down using solvent. Induction air filter inspected and cleaned per K&N Air Filter Service Instruction 18627. Inspected and lubricated engine throttle, mixture and propeller governor controls, operational check satisfactory. Adjusted manifold pressure and idle speed. Checked fuel system set-up as outlined in TCM SID97-3(E), no adjustments were required. **Complied with TAT SIL A-131 (Turbocharger Data Tag Inspection)** by inspecting left and right turbocharger data tags for looseness as outlined in Service Information Letter, no defects noted. **Complied with TAT SB08-01(Turbocharger Exhaust Elbows)** by inspecting left and right hand turbocharger exhaust elbows per Service Bulletin for Group B SR22 aircraft. Left hand turbocharger exhaust elbow previously complied with and right hand unit required modification per Service Bulletin, no further defects noted. ADs checked through Biweekly 2008-23. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells L. John Wells A&P 3221132 w/o 27233, 27234

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Flight Forward					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

5 March 2009 Flight Hobbs: 297.1 Hobbs Meter: 366.0

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminates noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected cooling baffles and seals for condition and security. Stop-drilled cracks in #2 and #4 cylinder cooling baffles as needed. Inspected engine case for leakage. Inspected cylinder drains and engine case breather tube for obstructions. Removed cracked end on hose and reinstalled breather tube hose. Checked oil lines for security. Repositioned and secured engine left rear hose assemblies to prevent further chafing. Installed new slave wastegate P/N: 22-6150026 and removed original slave wastegate interconnect cable assembly installed and rigged new wastegate linkage kit P/N: 22-5650008, operational check satisfactory. Installed new right exhaust forward heat shield P/N: ETI-G2-20-21. Inspected engine exhaust system, no defects noted. Inspected induction system and alternate air door for security and operation. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Repositioned and secured cabin heat SCEET air duct hose to prevent further chafing on exhaust. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

L. John Wells A&P 3221132

w/o 27641, 27642

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

12 June 2009 Flight Hobbs: 349.3 Hobbs Meter: 427.2

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminates noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Inspected induction system and alternate air door for security and operation. Installed and adjusted new alternate air door assembly switch P/N: ETI-G2703-SR, operational check satisfactory. Inspected cylinder drains and engine case breather tube for obstructions. Checked oil lines for security. Inspected engine exhaust system, no defects noted. Installed new right hand exhaust pipe assembly P/N: 22-6150016, no further defects noted. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Installed new fresh air inlet SCAT air duct hose insulation sleeve P/N: 70194-001 Inspected and wiped down engine cowling. Installed new lower cowling aft close-out seal P/N: 20665-002. Post inspection engine ground run-up, operational and leakage check satisfactory.

L. John Wells A&P 3221132

w/o 28002

ENGINE LOG ENTRY N892AM CIRRUS SR-22
 COMPLETED 50 HOUR INSPECTION I/A/W
 CIRRUS INSPECTION GUIDE OIL DRAINED
 AND FILTER REMOVED AND INSPECTED FOR
 CONTAMAINANTS NONE FOUND AT THIS TIME
 RE-SERVICED ENGINE WITH 8 QTS AEROSHELL
 W-100 50 WT AD OIL AND CHAMPION 48108-2
 FILTER LUBRICATED WASTE GATES AND ASSO.
 ACTUATORS RAN ENGINE FOR LEAK NONE FOUND
 AT THIS ENGINE OK FOR RETURN TO SERVICE.
 RICHARD S. DESPORTES A&P 259787531 HR/MET. 405.
 SIGNNATURE DATE 08/17/09

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 459.4

10 December 2009 Flight Hobbs: 459.4 Hobbs Meter: 556.9

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. Scheduled Maintenance Check List as a guide. Compression test: #1) 60/80, #2) 71/80, #3) 69/80, #4) 69/80, #5) 70/80, #6) 70/80. Changed engine oil and filter (**Aeroshell 15W-50**). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Installed (12) new Champion RHB-32E spark plugs. Checked magneto to engine timing. Checked fuel system for leakage. Installed and secured new right cylinder drain line. Fabricated and installed upper right cooling baffle riveted surface doubler repair. Fabricated and installed new rear cooling baffle support bracket. Installed new right air induction tube P/N: ETI-G2-200-R, rerouted and secured propeller de-ice line and applied anti-chafe material, no further contact noted. Installed new right hand intercooler P/N: ETI-G3-500-3. Inspected #1) alternator slip rings and installed new brush assemblies P/N: ALE1013AS. Installed new alternator control module P/N: 14605-001 and repaired and secured #1) alternator field wire and installed anti-chafe material. Reclocked and secured right exhaust heat muff and installed new SCEET flexible air duct hose, no further contact with cabin heat control box noted. Installed new cabin heat control box flexible air duct firewall insulation blanket P/N: 70194-001. Adjusted baffle and applied high temperature RTV to left turbocharger induction SCAT flexible air duct hose. Inspected engine mount weldment, repainted affected area and reinstalled master wastegate oil line using new cushion type clamps and installation hardware, no further contact noted. Complied with (TATI) (SI) No. **TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking)** by pressure test of left and right heat exchangers as outlined in Service Instruction, no defects noted. **Next inspection due at Flight Hobbs: 559.4.** Complied with (TATI) (SI) No. **TAT SI08-01 Rev A (Crankcase Breather Discharge Tube)** by inspecting crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 509.4 or next oil change.** Complied with (TATI) (SB) No. **TAT SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifolds for cracks around turbo mount flanges. Installed new right exhaust manifold Kit P/N: 22-6180002, no further defects noted. **Next inspection due at Flight Hobbs: 509.4 or next oil change.** Complied with (TATI) (SB) No. **TAT SB08-02 (PRV/Y Anti-Wear Pad)** by inspecting PRV/Y tube and installing anti-wear pad as outlined in Service Bulletin, no contact or metal erosion noted. Torqued left exhaust heat shield clamps. Installed and torqued new left and right tail pipe V-band clamps P/N: 11-1100023. **Next V-band clamp replacement due Flight Hobbs: 909.4.** Installed new right tail pipe ground strap P/N: MS25083-6BB6. Pressure tested exhaust system. Washed engine down using solvent. Induction air filter inspected and cleaned per K&N Air Filter Service Instruction 18627. Checked and lubricated throttle, mixture and propeller controls. **Continental Emergency AD 2009-24-52 (Hydraulic Lifter Rapid Wear)** effective 11-18-2009, supersedes AD 2009-24-51, does not apply by engine serial number and no intake or exhaust hydraulic lifters have been replaced after 19 June 2009, no further action required. **Superior Air Parts AD 2009-16-03 (Cylinder Head Separation)** effective 09-09-2009, does not apply by engine model number. AD's checked through Biweekly 2009-25. Post inspection engine ground run-up, operational check and leak check good. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

Scott S. Fisher A&P 3290363

w/o 28698, 28699

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

2 July 2010 Flight Hobbs: 517.2 Hobbs Meter: 626.6

Changed engine oil and filter using Aeroshell 100+ (50wt).

Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Checked oil lines for security. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

[Signature]

L. John Wells A&P 3221132 w/o 29434

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

13 September 2010 Flight Hobbs: 537.5 Hobbs Meter: 652.3

Installed and secured new TIT probe P/N: 86245. Post maintenance ground run-up satisfactory.

[Signature]

L. John Wells A&P 3221132 w/o 29739

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

15 December 2010 Flight Hobbs: 571.6 Hobbs Meter: 693.4

Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no ferrous contaminants noted. Oil sample taken and submitted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Checked oil lines for security. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

[Signature]

L. John Wells A&P 3221132 w/o 30073

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 581.3

3 February 2011 Flight Hobbs: 581.3 Hobbs Meter: 704.8

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 65/80, #2) 70/80, #3) 72/80, #4) 72/80, #5) 67/80, #6) 70/80. Removed #2 and #4 cylinders due to cracks between fuel injection nozzle and spark plug hole. Installed new #2 and #4 TCM cylinder and valve assemblies P/N: 655932A4, S/N: AC10GA547 and S/N: AC10GA481 respectively using new gaskets and seals as needed. Torqued installation hardware, installed push rods and valve rocker assemblies and checked dry tappet clearance. Reinstalled valve rocker covers using new gaskets. Reinstalled and secured Reiff hot band cylinder heaters, operational check satisfactory. Changed engine oil and filter using (Phillips 20W-50 Type M). Cut oil filter open and inspected, no contaminants noted.

(Page 1) (Continued)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 581.3
 3 February 2011 Flight Hobbs: 581.3 Hobbs Meter: 704.8

(Continued) (Page 2)

Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Reinstalled left tailpipe P/N: 22-61500020, following repair by Heliarc Welding Service, CRS No. VX3R935L, W/O #14945, dated 01-17-2011. **Complied with Magneto 500 Hour Inspection** on Bendix magnetos P/N: 10-500556-101, (left) S/N: D07HA187 and (right) S/N: D07HA108. Cleaned and inspected magnetos and installed new points P/N: 10-382584, felts, clips, brushes, seals and (2) distributor gear kits P/N: 10-357586. Assembled magnetos, set internal timing and torqued assembly hardware. **Complied with TCM MSB645 (Impulse Coupling)** by visual and dimensional inspection of impulse couplings and the replacement of the main spring P/N: 10-51324 as outlined in Service Bulletin. Reinstalled impulse couplings on magnetos and torqued and safetied attaching hardware. Reinstalled magnetos using new gaskets P/N: 10-400613 and set time of magnetos to engine. **Next 500 hour magneto inspection due Flight Hobbs: 1081.3.** Installed new magneto pressurization filter P/N: 1376-2. **Next magneto filter replacement due February 2014 or Flight Hobbs: 881.3.** Inspected fuel system components for condition and security. Checked fuel system for leakage. Fabricated and installed right forward cooling baffle riveted surface doubler repair and reinstalled baffle assembly. Installed new right front cooling baffle duct flange rivet. Fabricated and installed new rear cooling baffle support bracket. Secured left exhaust aft heat shield. Washed engine down using solvent. Installed new left and right lower cowling aft seals P/N: 50700-063U. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. **Complied with TAT SI08-01 Rev A (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 631.3 or next oil change.** **Complied with TAT SI08-04 (Cabin Heat Augmenter /Tailpipe Cracking)** by pressure decay test of heat exchangers as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 681.3.** **Complied with TAT SI08-05 (Induction Air Filter)** by inspecting and servicing induction air filter per Service Instruction. **Complied with TAT SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifolds for cracks around turbo mount flanges. **Next inspection due at Flight Hobbs: 631.3 or next oil change.** Kelly Aerospace AD 2010-07-08 (Turbine Wheel Failure) effective 04-19-2010, does not apply by installed turbocharger part numbers, no further action required. Continental AD 2010-11-04 (Hydraulic Lifter Rapid Wear) effective 06-16-2010, supersedes AD 2009-24-52 E, does not apply by engine serial number and maintenance history, no further action required. AD's checked through Biweekly 2011-03. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells A&P 3221132

w/o 30138

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N892AM Continental IO-550-N(50) S/N: 691376 Engine Log Entry
 11 April 2011 Flight Hobbs: 606.5 Hobbs Meter: 734.3

Changed engine oil and filter using (Aeroshell 100 Plus). Cut oil filter open and inspected, no contaminants noted. Post maintenance engine ground run-up, operational check and leakage check satisfactory.

L. John Wells A&P 3221132

w/o 30454

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Flight Forward					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

26 August 2011

Flight Hobbs: 689.0 Hobbs Meter:

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter (**Aeroshell 100+**). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Checked oil lines for security. Inspected magneto security and ignition leads. Adjusted magneto timing as needed. Inspected induction and alternate air system. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine compartment installation hardware for security. Secured inner CHT baffles as required. **Complied with TAT SI08-01 (breather discharge tube)** by cleaning discharge tube. **Complied with TAT SI08-04 (heat exchangers)** by completing pressure test of heat exchangers. Left heat exchanger found to be leaking. Left tailpipe removed for repair. Tailpipe repaired by Heliarc Welding Service, CRS VX3R935L, reference work order 15072, dated 24 August 2011. Reinstalled tailpipe using original clamp and hardware. **Complied with TAT SI08-05 (induction air filter)** by servicing air filter. **Complied with TAT SB 09-01 (exhaust manifold)** by visual inspection of exhaust manifold - no defects noted. Repositioned left-hand induction scat to prevent chafing. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

L. John Wells

L. John Wells A&P 3221132 w/o 30965

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 674.3

17 March 2012

Flight Hobbs: 674.3 Hobbs Meter: 811.7

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 71/80, #2) 72/80, #3) 72/80, #4) 78/80, #5) 72/80, #6) 74/80. Changed engine oil and filter (**Aeroshell 15W-50**). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Inspected fuel system components for condition and security. Checked fuel system for leakage. Stop-drilled crack in engine cooling baffle adjacent to left inter cooler. Installed new left to right heat exchanger SCAT air duct hose. Installed new cabin air SCAT air duct hose insulation sleeve P/N: 70194-001. Checked and lubricated throttle, mixture and propeller controls. Washed engine down using solvent. Freed left wastegate elbow, applied antiseize compound and reinstalled exhaust components. Adjusted right wastegate support blocks. Inspected left and right wastegates and lubricated using Mouse Milk. Adjusted interconnect cable between left and right wastegates to ensure full closure on right waste gate. Torqued left and right tail pipe V-band clamps. Cleaned and reinstalled left exhaust grounding strap. Installed new left induction air SCAT air duct hose. Adjusted engine manifold pressure as needed. **Complied with TAT SI08-01 Rev A (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 724.3 or next oil change.** **Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking)** by pressure decay test of heat exchangers as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 774.3.** **Complied with TAT SI08-05 (Induction Air Filter)** by inspecting and servicing induction air filter per Service Instruction. **Next air filter servicing due Flight Hobbs: 774.3.** **Complied with TAT SI11-01 (Exhaust Slip Joint Inspection)** by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures, no defects noted. **Next inspection due March 2013 or V-band clamp replacement.** **Complied with TAT SI11-02 (Fuel Pump O-ring Seals)** by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin, no defects noted. **Next inspection due March 2013.** **Complied with TAT SI11-03 (Turbocharger Support Inspection)** by inspecting turbocharger and waste gate support assembly rods, no defects noted. **Next inspection due March 2013 or V-band clamp replacement.** **Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen)** by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due March 2013.**

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 674.3

17 March 2012 Flight Hobbs: 674.3 Hobbs Meter: 811.7

(Continued) (Page 2)

Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges. Next inspection due at Flight Hobbs: 724.3 or next oil change. Complied with Cirrus SB 2X-74-01 (Champion RHB32S Spark Plugs) by verifying no Champion RHB32S are installed, no further action required. Continental AD 2011-25-51 (Starter Adapter Gear shaft Failure) effective 12-28-2011, supersedes Emergency AD 2011-25-51, does not apply by installed starter adapter. Superior Air Parts AD 2012-03-06 (AFS) Fuel Servo Diaphragm) effective 02-24-2012, supersedes AD 2011-15-10, does not apply, AFS fuel servo diaphragm not installed after 05-20-2010, no further action required. AD's checked through Biweekly 2012-05. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells

L. John Wells A&P 3221132

w/o 31629

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

22 June 2012 Flight Hobbs: Hobbs Meter:

Replaced starter contactor (P/N: 51129-002). Removed MCU and replaced one contactor retaining lug on back case. Reassembled MCU and reinstalled on firewall. Wired in new transient voltage suppressor on wire at pin 25 in connector P599 at PFD. Run up, operational and leakage check good.

L. John Wells

L. John Wells A&P 3221132

w/o 32039

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

29 June 2012 Flight Hobbs: 715.8 Hobbs Meter: 859.4

Cleaned away residual oil and installed new crankshaft seal P/N: 15164-091. Reinstalled propeller using new prop O-ring seal P/N: C3317-228 and torqued installation hardware. Removed Iskra starter and installed new Skytec unit P/N: 657596, S/N: 4C3-031264 using new O-ring seal and existing installation hardware. Reinstalled right front baffle and reconnected TKS line using (2) new seals P/N: 15164-091. Wiped down cowlings using solvent. Post maintenance engine ground run-up, operational and leakage check good.

Dave A. Danner

Dave A. Danner A&P 2828262

w/o 32077

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376

18 July 2012 Flight Hobbs: 735.1 Hobbs: 880.3

Removed starter adapter, P/N: 642085A17. Installed factory new unit, 642083A17-E as supplied by Continental Motors. Adapter installed using new gaskets and original hardware. Ground run operational and leak checks satisfactory.

L. John Wells

L. John Wells A&P 3221132

w/o 32011

It is important to understand that the existence of this document does not constitute a warranty, nor does it constitute an endorsement of any product or service.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought	ARAPAHOE AERO				
	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386				
	N892AM	Continental	IO-550-N (50)	S/N: 691376	Engine Log Entry
	20 September 2012	Flight Hobbs: 759.6	Hobbs Meter: 909.7		
	Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter (Aeroshell 15W50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Checked oil lines for security. Inspected magneto security and ignition leads. Inspected induction and alternate air system. Inspected cylinder drains and engine case breather tube for				

	ARAPAHOE AERO				
	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386				
	N892AM	Continental	IO-550-N(50)	S/N: 691376	Engine Log Entry
	28 November 2012	Flight Hobbs: 784.2	Hobbs Meter: 937.4		
	Reconnected and secured breather hose and cleaned away residual oil on engine case. Installed new fuel strainer drain valve P/N: 50242-001, no further fuel leakage noted				
	Robert Tawell Watring Robert Tawell Watring A&P 3051075 w/o 32627				

	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386				
	N892AM	Continental	IO-550-N(50)	S/N: 691376	Total Time: 804.4
	8 April 2013	Flight Hobbs: 804.4	Hobbs Meter: 961.4		
	100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 70/80, #2) 74/80, #3) 70/80, #4) 78/80, #5) 72/80, #6) 70/80. Checked torqued on all valve rocker cover installation hardware. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Cleaned and resealed fuel injection nozzles. Next fuel injection nozzle servicing due Flight Hobbs: 1304.4. Inspected fuel system components for condition and security. Checked fuel system for leakage. Complied with (TAT) (SB) No. SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin, no defects noted. Next inspection due April 2014 or Flight Hobbs: 854.4. Inspected #1) alternator slip rings and installed new brush assemblies P/N: ALE1013AS. Stop-drilled crack in forward spinner cooling baffle. Complied with TAT (SI) No. SI08-01 Rev A (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. Next inspection due at Flight Hobbs: 854.4 or next oil change. Installed and torqued new left exhaust heat shield Breeze clamp P/N: 200-28H. Complied with TAT (SB) No. SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges. Installed new right exhaust manifold P/N: 22-6850003. Next inspection due Flight Hobbs: 854.4 or next oil change. Complied with TAT (SI) No. SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction. Next inspection due Flight Hobbs: 904.4. Complied with TAT (SI) No. SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures, no defects noted. Next inspection due April 2014 or V-band clamp replacement. Complied with (TAT) (SI) No. SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods, no defects noted. Next inspection due April 2014 or V-band clamp replacement. Complied with (TAT) (SB) No. SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due April 2014. Inspected left and right wastegates and lubricated using Mouse Milk. Checked and lubricated throttle, mixture and propeller controls. Complied with (TAT) (SI) No. SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next air filter servicing due Flight Hobbs: 904.4. Inspected and wiped down engine cowling. Continental CSB12-1 (Lock Plate Inspection) does not apply by engine serial number, no further action required. Continental AD 2012-10-13 (Starter Adapter Gear Shaft Failure) effective 06-08-2012, supersedes AD 2011-25-51, does not apply per paragraph (e)(3), installed starter adapter has more than 100 hours total time-in-service, no further action required. AD's checked through Biweekly 2013-07. Adjusted engine idle mixture as needed. Post inspection engine ground run-up, operational check and leak check good.				
	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.				
	Greg Sickafoose A&P 3443687 w/o 32978				

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward		→			

ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
N892AM	Continental	IO-550-N(50)	S/N: 691376
16 August 2013	Flight Hobbs: 823.8	Hobbs: 986.3	
Removed fuel injectors, cleaned, resealed and reinstalled. Ground run operational and leak checks satisfactory.			
Alberto Pizzato A&P 2522916			w/o 33464

ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
N892AM	Continental	IO-550-N (50)	S/N: 691376 Engine Log Entry
30 December 2013	Flight Hobbs: 857.1	Hobbs Meter: 1024.8	
Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter (Aeroshell 15W50). Cut oil filter open and inspected, no contaminants noted. Checked oil lines for security. Inspected magneto security and ignition leads. Inspected induction and alternate air system. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine compartment installation hardware for security. Complied with TAT SI08-01 (Breather Discharge Tube) by cleaning discharge tube. Complied with TAT SB 09-01 (Exhaust Manifold) by visual inspection of exhaust manifold - no defects noted. Complied with TAT SB 12-02 (Fuel Pump Inspection) by moving mixture control while operating pump on high - no leaks noted at the pump. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.			
Dave A. Danner A&P 2828262			w/o 33932

ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
N892AM	Continental	IO-550-N(50)	S/N: 691376 Total Time: 893.5
10 May 2014	Flight Hobbs: 893.5	Hobbs Meter: 1069.5	
100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. Scheduled Maintenance Check List as a guide. Compression test: #1) 58/80, #2) 70/80, #3) 64/80, #4) 70/80, #5) 68/80, #6) 70/80. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Installed (12) new Champion RHB32E spark plugs. Checked timing of magnetos to engine. Inspected ignition harness for condition and security. Installed new left magneto harness cap pressurization gasket P/N: 10-357520. Installed new pressurization filter P/N: 1396-2 for magnetos. Next replacement due May 2017 or Flight Hobbs: 1193.5. Inspected fuel system components for condition and security. Checked fuel system for leakage. Inspected #1 alternator slip rings and brush assemblies for condition and security. Next inspection due May 2015. Inspected engine cooling baffles and seals for condition and security. Stop-drilled cracks in cooling baffles as needed. Installed new left exhaust forward heat shield P/N: ETI-G2-20-22. Washed down engine using solvent. Complied with Tornado Alley Turbo (ICA) and installed (2) new tail pipe V-band clamps P/N: 11-1100023. Next V-band clamp replacement due Flight Hobbs: 1343.5. Inspected and pressure tested exhaust system. Inspected left and right wastegates for condition and security and lubricated using Mouse Milk. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Complied with TAT SI08-01 Rev A (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. Next inspection due at Flight Hobbs: 943.5 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. Next inspection due Flight Hobbs: 993.5. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next air filter servicing due Flight Hobbs: 993.5. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges. Next inspection due Flight Hobbs: 943.5 or next oil change.			
(Page 1)		(Continued)	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Flight Forward →					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 893.5
 10 May 2014 Flight Hobbs: 893.5 Hobbs Meter: 1069.5
 (Continued) (Page 2)

Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due May 2015.** Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. Removed, cleaned, applied anti-seize compound, and reinstalled tail pipes and overboard tubes, no further defects noted. **Next inspection due May 2015 or V-band clamp replacement.** Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods, no defects noted. **Next inspection due May 2015 or V-band clamp replacement.** Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due May 2015.** Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin. Reinstalled engine driven fuel pump P/N: ETI-SR22-2-12, S/N: GP5013 using new gasket P/N: 649982 following repair by Great Planes Metering, Inc, CRS No. 1GPR022B, W/O# 14-279, dated 05-02-2014. Competed fuel system setup in reference to Continental Motors SID 97-3F. Adjusted low end pressure, high end fuel flow, idle speed and idle mixture as needed. **Next inspection due Flight Hobbs: 943.5 or next oil change.** AD's checked through Biweekly 2014-09. Post inspection engine ground run-up, operational check and leak check satisfactory, I **CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

[Signature] L. John Wells A&P 3221132 w/o 34303

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N892AM Continental IO-550-N(50) S/N: 691376
 4 July 2014 Flight Hobbs: 919.9 Hobbs: 1101.0
 Disassembled MCU, checked terminals and shunt associated with the #2 amperage indication. Reassembled as needed. Ground run, operational check satisfactory.

[Signature] L. John Wells A&P 3221132 w/o 34541

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry
 3 October 2014 Flight Hobbs: 978.2 Hobbs Meter: 1168.6
Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no ferrous contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected cylinder drains for obstructions and security. Inspected engine case and oil lines for leakage. Installed new #6 cylinder EGT probe (P/N: 16579-002). Inspected engine exhaust system for condition and security. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication of throttle, mixture and propeller governor controls, operational check good. Inspected engine compartment installation hardware for security. **Complied with TATI SI08-01 (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. **Next inspection due at Flight Hobbs: 1028.2 or next oil change.** **Complied with TATI SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin. Installed new left exhaust manifold (P/N: 22-685001) using new (3) exhaust gaskets (P/N: 652458) and reinstalled turbocharger and tailpipe. **Next inspection due at Flight Hobbs: 1028.2 or next oil change.** **Complied with TATI SB12-02 (Fuel Pump O-ring Seals)** by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. **Next inspection due at Flight Hobbs: 1028.2 or next oil change.** Post inspection engine ground run-up, operational check and leak check good.

[Signature] L. John Wells A&P 3221132 w/o 34854

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				

ARAPAHOE AERO
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

5 March 2015 **N892AM** **Continental** **IO-550-N (50)** **S/N: 691376** **Engine Log Entry**
Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no ferrous contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected cylinder drains for obstructions and security. Inspected engine case and oil lines for leakage. Installed and secured new right turbocharger TIT probe P/N: 86245. Inspected engine exhaust system for condition and security. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication of throttle, mixture and propeller governor controls, operational check good. Inspected engine compartment installation hardware for security. **Complied with TATI SI08-01 (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. **Next inspection due at Flight Hobbs: 1088.4 or next oil change.** **Complied with TATI SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. **Next inspection due at Flight Hobbs: 1088.4 or next oil change.** **Complied with TATI SB12-02 (Fuel Pump O-ring Seals)** by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. **Next inspection due at Flight Hobbs: 1088.4 or next oil change.** Post inspection engine ground run-up, operational check and leak check good.

L. John Wells A&P 3221132 w/o 35376

ARAPAHOE AERO
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

11 June 2015 **N892AM** **Continental** **IO-550-N(50)** **S/N: 691376** **Total Time: 1079.9**
100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 69/80, #2) 75/80, #3) 74/80, #4) 72/80, #5) 74/80, #6) 74/80. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned, inspected, gapped, tested, and rotated spark plugs. Removed left and right Bendix magnetos P/N: 10-500556-101, S/N: D07HA187 and S/N: D07HA108 respectively for 500 hour inspection. Cleaned and inspected magnetos and installed new breaker points P/N: 10-382584, new gear kits P/N: 10-357586, distributor block felt strips and washers, distributor gear snap rings, carbon brushes, and rotor seals. Cleaned, inspected and repacked magneto rotor bearings and assembled magnetos, set internal timing and tightened assembly hardware. **Complied with TCM Mandatory (SB) No. MSB645 (Impulse Coupling)** by visual and dimensional inspection of impulse couplings and the replacement of the main spring P/N: 10-51324 as outlined in Service Bulletin. Reinstalled impulse couplings on magnetos and torqued and safetied attaching hardware. Reinstalled left and right magnetos using new gaskets P/N: 10-400613 and set magneto to engine timing. **Next 500 hour magneto inspection due Flight Hobbs: 1579.9.** Inspected ignition harness and leads for condition and security. Inspected fuel system components for condition and security. Checked fuel system for leakage. Inspected engine cooling baffles and seals for condition and security. Removed aft cooling baffle center support mechanical rivet and install new AN machine screw, washer and self-locking nut. Stop-drilled crack at lower left spinner baffle tab. Removed #1 alternator air duct seal retainer mechanical rivet and installed new AN machine screw, washer and self-locking nut. Inspected #1 alternator slip rings and brush assemblies and installed new brush assembly P/N: ALE1013AS. **Next alternator brush inspection due June 2016.** Washed down engine using solvent. Installed and secured new right forward exhaust heat exchanger SCEET-5 air duct hose. Installed new #6 cylinder exhaust heat shield Breeze clamp P/N: 200-28H. Installed and secured new right turbocharger heat shield P/N: ETI-G3-20-28. Installed new right wastegate lever clevis pin P/N: MS20392-2C13. Inspected left and right turbochargers and wastegates for condition and security and lubricated using Mouse Milk. Removed and reinstalled left wastegate controller P/N: 470842-0004, S/N: KFN0047 repaired by Main Turbo Systems, CRS No. MAMR190K, W/O# 49451, dated 06-09-2015.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

7 August 2015 Flight Hobbs: 1138.2 Hobbs Meter: 1328.7

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no ferrous contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected cylinder drains for obstructions and security. Inspected engine case and oil lines for leakage. Inspected engine exhaust system for condition and security. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication of throttle, mixture and propeller governor controls, operational check good. Inspected engine compartment installation hardware for security. **Complied with TATI SI08-01 (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. **Next inspection due at Flight Hobbs: 1188.2 or next oil change.** **Complied with TATI SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. **Next inspection due at Flight Hobbs: 1188.2 or next oil change.** **Complied with TATI SB12-02 (Fuel Pump O-ring Seals)** by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. **Next inspection due at Flight Hobbs: 1188.2 or next oil change.** Post inspection engine ground run-up, operational check and leak check good.

Jason D. Schaaf Jason D. Schaaf A&P 3551738

w/o 35878

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

4 December 2015 Flight Hobbs: 1215.0 Hobbs Meter: 1405.5

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no ferrous contaminants noted. Oil sample taken and submitted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected cylinder drains for obstructions and security. Inspected engine case and oil lines for leakage. Inspected engine exhaust system for condition and security. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication of throttle, mixture and propeller governor controls, operational check good. Inspected engine compartment installation hardware for security. **Complied with TATI SI08-01 (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. **Next inspection due at Flight Hobbs: 1265.0 or next oil change.** **Complied with TATI SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. **Next inspection due at Flight Hobbs: 1265.0 or next oil change.** **Complied with TATI SB12-02 (Fuel Pump O-ring Seals)** by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. **Next inspection due at Flight Hobbs: 1265.0 or next oil change.** Post inspection engine ground run-up, operational check and leak check good.

Thomas Edward Green

Thomas Edward Green A&P 3445718

w/o 36258

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376

11 February 2016 Flight Hobbs: 1239.8 Hobbs: 1430.2 Engine Log Entry

Removed alternator, P/N: ES-10024, S/N: J01104. Replaced with new alternator, P/N: ES-10024, S/N: H-Q01051 with new boot P/N: MS25171-3S on positive terminal and gasket, P/N: 653981. Ground run, operational check satisfactory.

Simon Rubino

Simon Rubino A&P 2670700

w/o 36446

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N(50)

S/N: 691376

Brought

02 March 2016

Flight Hobbs: 1248.3

Hobbs: 1338.8

Engine Log Entry

Removed propeller and crankshaft seal. Installed new seal P/N: 641250 and reinstalled propeller. Ground run up, operational and leak check satisfactory.

[Signature]

Simon Rubino A&P 2670700

w/o 36522

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N(50)

S/N: 691376

Total Time: 1300.6

12 July 2016

Flight Hobbs: 1300.6

Hobbs Meter: 1491.0

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 62/80, #2) 72/80, #3) 64/80, #4) 64/80, #5) 60/80, #6) 66/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Installed a new set of Champion URHB32E spark plugs. Checked and adjusted timing of magnetos to engine as needed. Inspected ignition harness and leads for condition and security. Inspected fuel system components for condition and security. Checked fuel system for leakage. Inspected engine cooling baffles and seals for condition and security. Cleaned and resealed fuel injection nozzles. **Next fuel injection nozzle cleaning due Hobbs Time: 1800.6.** Inspected #1 alternator slip rings and brush assemblies. **Next alternator brush inspection due July 2017.** Installed left hand intercooler flange stiffener. Fabricated and installed repaired left hand baffle doubler. . Installed new V-Band clamps, P/N: 11-1100023. **Next V-Band clamp replacement due Flight Hobbs: 1750.6.** Installed new tail pipe guard straps, P/N: MS83413-8A008BB. Fabricated and installed riveted surface doubler on induction filter retainer plate. Installed stiffener at left intercooler inboard mounting flange. Washed down engine using solvent. Inspected left and right turbochargers and wastegates for condition and security and lubricated using Mouse Milk. Inspected and pressure tested exhaust system. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Inspected engine preheat system for component condition and security. Secured Reiff preheat cord, as needed. Cleaned and tightened sockets for MAP wiring connector at right aft rear baffle. Adjusted high end fuel flow as needed. Complied with **TAT SI08-01 (Crankcase Breather Discharge Tube)** by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 1350.6 or next oil change.** Complied with **TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking)** by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. **Next inspection due Flight Hobbs: 1400.6.** Complied with **TAT SI08-05 (Induction Air Filter)** by inspecting and servicing induction air filter per Service Instruction. **Next air filter servicing due Flight Hobbs: 1400.6.** Complied with **TAT SB09-01 (Exhaust Manifold Cracks)** by inspecting exhaust manifold for cracks around turbo mount flanges. **Next inspection due Flight Hobbs: 1350.6 or next oil change.** Complied with **TAT SB10-01 (Alternate Air Door Hinge Pin)** by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due July 2017.** Complied with **TAT SI11-01 (Exhaust Slip Joint Inspection)** by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. Removed, cleaned, applied anti-seize compound, and reinstalled left and right wastegate dump elbows. Expanded wastegate outlet left overboard dump tube, no further defects noted. **Next inspection due July 2017 or V-band clamp replacement.** Complied with **TAT SI11-03 (Turbocharger Support Inspection)** by inspecting turbocharger and waste gate support assembly rods and brackets for condition and security, no further defects noted. **Next inspection due July 2017 or V-band clamp replacement.** Complied with **TAT SB11-04 (Turbocharger Oil Supply Inlet Screen)** by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due July 2017.** Complied with **TAT SB12-02 (Fuel Pump O-ring Seals)** by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin. **Next inspection due Flight Hobbs: 1350.6 or next oil change.** AD's checked through Biweekly 2016-14. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

[Signature]

Simon Rubino A&P 2670700

w/o 36921

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 1491.6

17 June 2017 Flight Hobbs: 1491.6 Hobbs Meter: 1681.6

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. Scheduled Maintenance Check List as a guide. Compression test: #1) 64/80, #2) 70/80, #3) 71/80, #4) 70/80, #5) 71/80, #6) 70/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Adjusted timing of right magneto to engine. Installed new magneto pressurization filter P/N: 1396-2. **Next filter replacement due June 2019 or Flight Hobbs Time: 1791.6.** Inspected ignition harness and leads for condition and security. Inspected fuel system components for condition and security. Checked fuel system for leakage. Inspected engine cooling baffles and seals for condition and security. Drilled out one rivet on aft baffle seal retainer and replaced with screw. Performed 12 month #1 Alternator Brush Inspection, no defects noted. **Next #1 alternator brush inspection due June 2018.** Inspected left and right turbochargers and wastegates for condition and security and lubricated using Mouse Milk. Inspected and pressure tested exhaust system. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Inspected engine preheat system for component condition and security. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 1541.6 or next oil change.** Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. **Next inspection due Flight Hobbs: 1591.6.** Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. **Next air filter servicing due Flight Hobbs: 1591.6.** Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifold for cracks around turbo mount flanges. **Next inspection due Flight Hobbs: 1541.6 or next oil change.** Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due June 2018.** Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. Removed left dump tube and cleaned slip joint, applied anti-seize and reinstalled. No further defects noted. **Next inspection due June 2018 or V-band clamp replacement.** Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods and brackets for condition and security, no further defects noted. **Next inspection due June 2018 or V-band clamp replacement.** Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due June 2018.** Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin. **Next inspection due Flight Hobbs: 1541.6 or next oil change.** AD's checked through Biweekly 2017-12. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells A&P 3221132

w/o 37952

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Engine Log Entry

14 December 2017 Flight Hobbs: 1560.5 Hobbs Meter: 1751.4

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no ferrous contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected engine case and oil lines for leakage. Inspected engine exhaust system. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Complied with Tornado Alley Flexible Fluid Hose 10 Year Replacement by installing new fluid hoses as included in kit P/N: ETI-G3-8, torqued, sealed and secured hoses. **Next flexible hose replacement due December 2027.** Complied with TATI SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. **Next inspection due at Flight Hobbs: 1610.5 or next oil change.** Complied with TATI SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. **Next inspection due at Flight Hobbs: 1610.5 or next oil change.** Complied with TATI SB12-02 (Fuel Pump O-ring Seals) by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. **Next inspection due at Flight Hobbs: 1610.5 or next oil change.** Post inspection engine ground run-up, operational check and leak check good.

Jason Daniel Schaaf A&P 3551738

w/o 38466

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ARAPAHOE AERO12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 69137601 March 2018 Flight Hobbs: Hobbs: 1758.3 Engine Log Entry
Inspected #2, #4 and #6 cylinders for cracks at fuel injector port using dye penetrate, no cracks found at this time. *Nathanial Alan Beuthel* Nathanial Alan Beuthel A&P 3659835 w/o 38813**ARAPAHOE AERO**12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 1586.7

19 July 2018 Flight Hobbs: 1586.7 Hobbs Meter: 1777.7

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 55/80, #2) 68/80, #3) 65/80, #4) 70/80, #5) 48/80, #6) 66/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Performed 12 month #1 Alternator Brush Inspection, replaced #1 alternator brushes, P/N:ALE1013AS. Next #1 alternator brush inspection due July 2019. Inspected left and right turbochargers and wastegates for condition and security and lubricated using Mouse Milk. Inspected and pressure tested exhaust system. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Inspected engine preheat system for component condition and security. Adjusted heat shield to prevent further chafing on left side transition. Secured engine preheat plug in forward adel clamp and zip tied. Tightened left V-band clamp. Adjusted left wastegate dump tube. Adjusted rigging for right wastegate valve for full travel. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. Next inspection due at Flight Hobbs: 1636.7 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. Next inspection due Flight Hobbs: 1686.7. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next air filter servicing due Flight Hobbs: 1686.7. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifold for cracks around turbo mount flanges. Next inspection due Flight Hobbs: 1636.7 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due July 2019. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. No defects noted. Next inspection due July 2019 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods and brackets for condition and security, no further defects noted. Next inspection due July 2019 or V-band clamp replacement. Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due July 2019. Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin. Next inspection due Flight Hobbs: 1636.7 or next oil change. AD's checked through Biweekly 2018-15. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

L. John Wells L. John Wells A&P 3221132

w/o 39189

ARAPAHOE AERO12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 691376 Engine Log Entry

03 July 2019 Flight Hobbs: 1629.5 Hobbs Meter: 1820.6

Changed engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no contaminants noted. Adjusted midrange RPM as needed. Installed new #6 EGT probe P/N: 16579-002 and secured harness. Engine ground run-up, operational check and leak check good.

L. John Wells L. John Wells A&P 3221132

w/o 40257

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 1651.9

Flight Hobbs: 1651.9 Hobbs Meter: 1842.9

09 August 2019

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 65/80, #2) 65/80, #3) 68/80, #4) 67/80, #5) 70/80, #6) 65/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Installed new #3 and #6 top spark plugs, P/N: URHB32E. Checked timing of magnetos to engine. Installed new magneto pressurization filter P/N: 1396-2. Next pressurization filter due August 2022 or Flight Hobbs: 1951.9. Performed 12 month #1 Alternator Brush Inspection, replaced #1 alternator brushes, P/N: ALE1013AS. Next #1 alternator brush inspection due August 2020. Secured and adjusted heat shields. Secured wire bundles and hoses on left rear area of engine mount and firewall. Secured bolt in adel clamps for left turbo oil return hose. Installed new gascolator drain valve P/N: 50242-001. Fabricated new right aft baffle support bracket at upper case tie bolt. Cleaned and applied red RTV to prevent chafing between alternate air left crossover duct at forward baffle. Inspected left and right turbochargers and wastegates for condition and security and lubricated. Inspected and pressure tested exhaust system. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Inspected engine preheat system for component condition and security. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in Service Instruction. Next inspection due at Flight Hobbs: 1701.9 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. Next inspection due Flight Hobbs: 1751.9. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next air filter servicing due Flight Hobbs: 1751.9. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifold for cracks around turbo mount flanges. Next inspection due Flight Hobbs: 1701.9 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due August 2020. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. No defects noted. Next inspection due August 2020 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods and brackets for condition and security, no further defects noted. Next inspection due August 2020 or V-band clamp replacement. Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due August 2020. Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Bulletin. Next inspection due Flight Hobbs: 1701.9 or next oil change. AD's checked through Biweekly 2019-16. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

L. John Wells A&P 3221132

w/o 40406

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

17 September 2019 Flight Hobbs: 1679.2 Hobbs Meter: 1870.1

Installed new left TAT probe P/N: 86245.

Randy J. Knox Jr. A&P 3227973

w/o 40566

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry

19 November 2019 Flight Hobbs: 1695.8 Hobbs Meter: 1886.8

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no contaminants noted. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected engine case and oil lines for leakage. Inspected engine exhaust system. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Installed new sump preheat pad P/N: 14. Pre heat system operational check satisfactory. Complied with TATI SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. Next inspection due at Flight Hobbs: 1745.8 or next oil change. Complied with TATI SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. Next inspection due at Flight Hobbs: 1745.8 or next oil change. Complied with TATI SB12-02 (Fuel Pump O-ring Seals) by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. Next inspection due at Flight Hobbs: 1745.8 or next oil change. Post inspection engine ground run-up, operational check and leak check good.

Thomas Edward Green

Thomas Edward Green A&P 3445718

w/o 40746

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 1716.7

28 August 2020 Flight Hobbs: 1716.7 Hobbs Meter: 1907.6

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 50/80, #2) 61/80, #3) 65/80, #4) 68/80, #5) 65/80, #6) 58/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Installed new (7) Tempest URHB32E spark plugs. Checked timing of left and right magnetos to engine. Performed #1 Alternator Brush Inspection, no defects noted. Next #1 alternator brush inspection due Flight Hobbs: 2216.7 or August 2022. Inspected left and right turbochargers and wastegates for condition and security and lubricated. Inspected and pressure tested exhaust system. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Inspected engine preheat system for component condition and security. Fabricated doubler repair on right baffle by intercooler. Cleaned turbocharger oil inlet check valve per CAT M-O. Tightened #5-cylinder fuel drain. Complied with 500 Hour Continental Fuel Injection Nozzle Servicing by removing injectors, inspecting and cleaning, no defects noted. Next service due Flight Hobbs: 2216.7. Installed new V-band clamps, 2 ea. P/N: 11-1100023, torqued and safetied. Next V-band clamp replacement due Flight Hobbs: 2216.7. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in SI. Next inspection due at Flight Hobbs: 1766.7 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter /Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. Next inspection due Flight Hobbs: 1816.7. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per SI. Next air filter servicing due Flight Hobbs: 1816.7. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifold for cracks around turbo mount flanges. Next inspection due Flight Hobbs: 1766.7 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due August 2021. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. No defects noted. Next inspection due August 2021 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods and brackets for condition and security, no further defects noted. Next inspection due August 2021 or V-band clamp replacement. Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per SB. Next inspection due August 2021. Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per SB. Next inspection due Flight Hobbs: 1766.7 or next oil change. HET ASB 081 (Alternator Castellated Hex-Nut Inspection) not applicable by alternator manufacture date. AD's checked through Biweekly 2020-18. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Randy C. Johnson

Randy C. Johnson A&P 3123186

w/o 41496

Brought

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N (50)

S/N: 691376

Engine Log Entry

06 November 2020

Flight Hobbs: 1759.1

Hobbs Meter: 1959.0

Installed crankcase pressure gauge in reference to Continental SB M89-9. Completed ground runs. Found to be indicating 90 MPH at 2200 RPM and 21.9 MAP. At full power, 2680 RPM / 31.1 MAP, indicating was found to be 155 MPH. Test equipment removed. No further action taken at this time. Serviced oxygen system.

L. John Wells L. John Wells A&P 3221132

w/o 41736

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N (50)

S/N: 691376

Engine Log Entry

14 January 2021

Flight Hobbs: 1767.9

Hobbs Meter: 1969.4

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Cut oil filter open and inspected, no contaminants noted. Installed overhauled #5-cylinder P/N: CL73.1-232-OH, S/N: 79967-03 with new piston, rings, piston pins, seals and gaskets, I/A/W CAT MO Manual. Overhauled by RAM Aircraft, Limited Partnership, CRS # VA1R551K, reference 8130-3 dated 06 October 2020, WO #020465. Changed engine oil and filter using (Phillips 20W50M). Installed bolt and nut in left tail pipe hanger clamp. Installed clamp for right tail pipe hanger. Tightened left exhaust manifold bracket bolts. Applied RTV on hole in scat hose from left intercooler to heat exchanger. Installed new slave wastegate P/N: 22-6150026. Rigged wastegate interconnect cable as needed. Installed new upper right turbo heat shield P/N: ETI-G#-20-29. Inspected magnetos and ignition leads for condition and security. Inspected fuel injection system for component condition and security. Leak checked fuel system. Inspected engine case and oil lines for leakage. Inspected engine exhaust system. Inspected turbochargers and wastegates for condition, security and proper rigging. Inspected induction system and alternate air door for security and operation. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Complied with TATI S108-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. **Next inspection due at Flight Hobbs: 1817.9 or next oil change.** Complied with TATI SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. **Next inspection due at Flight Hobbs: 1817.9 or next oil change.** Complied with TATI SB12-02 (Fuel Pump O-ring Seals) by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. **Next inspection due at Flight Hobbs: 1817.9 or next oil change.** Post inspection engine ground run-up, operational check and leak check good.

Kevin Mosher Kevin Mosher A&P 3443784

w/o 41828

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N (50)

S/N: 691376

Engine Log Entry

18 January 2021

Flight Hobbs: 1769.2

Hobbs Meter: 1971.9

Installed new wire terminal pins at the #2 and #6 cylinder heat band connectors. Preheat system operational checks satisfactory.

Randy J. Knox Jr. Randy J. Knox Jr. A&P 3227973

w/o 41907

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N (50)

S/N: 691376

Engine Log Entry

19 April 2021

Flight Hobbs: 1787.7

Hobbs Meter: 1997.6

Changed engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Ground run up and leak check satisfactory.

Aaron Peter Villery Aaron Peter Villery A&P 3224687

w/o 42184

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N892AM Continental IO-550-N(50) S/N: 691376 Total Time: 1819.8

11 September 2021 Flight Hobbs: 1819.8 Hobbs Meter: 2040.7

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 63/80, #2) 50/80, #3) 45/80, #4) 68/80, #5) 75/80, #6) 70/80. Completed Borescope inspection of cylinders. Lapped #2 and #3 exhaust valves as needed. Reassembled cylinders using new lock tabs and gaskets. Post repair compression test #2) 75/80 and #3) 55/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Removed right magneto for 500 Hour magneto inspection Right P/N: 10-500556-101, S/N: D07HA108 Magneto was disassembled, cleaned, inspected. Installed new gear kit P/N: 10-357586, point set P/N: 10-382584, seal, cotter pin, felt and spring in magneto. Reassembled, and timed internally. Reinstalled and timed right magneto to engine using new gasket and installation hardware as required. **Next Right 500 Hour magneto inspection due at Flight Hobbs: 2319.8. Next Left 500 Hour magneto inspection due at Flight Hobbs: 2063.4.** Inspected left and right turbochargers and wastegates for condition and security and lubricated. Inspected and pressure tested exhaust system. Inspected and lubricated throttle, mixture and propeller governor controls, operational check satisfactory. Inspected engine preheat system for component condition and security. Removed #1-cylinder drain, cleaned, resealed and reinstalled. Repaired right baffle crack in two places. Installed new #4-cylinder adel clamp. Removed #5 fuel injector, cleaned and reinstalled with new sealant, o-rings and gaskets. Washed engine with solvent. Applied RTV to right bottom heat exchanger scat tubing. Replaced left forward and aft heat exchanger scat tubing. Installed new K & N induction air filter P/N: 33-2022. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube and removing coking deposits as outlined in SI. **Next inspection due at Flight Hobbs: 1869.8 or next oil change.** Complied with TAT SI08-04 (Cabin Heat Augmenter /Tailpipe Cracking) by pressure decay test of heat exchangers as outlined in Service Instruction, no defects noted. **Next inspection due Flight Hobbs: 1919.8.** Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per SI. **Next air filter servicing due Flight Hobbs: 1919.8.** Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifold for cracks around turbo mount flanges. **Next inspection due Flight Hobbs: 1869.8 or next oil change.** Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due September 2022.** Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. No defects noted. **Next inspection due September 2022 or V-band clamp replacement.** Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods and brackets for condition and security, no further defects noted. **Next inspection due September 2022 or V-band clamp replacement.** Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per SB. **Next inspection due September 2022.** Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per SB. **Next inspection due Flight Hobbs: 1869.8 or next oil change.** Continental Aerospace Technologies AD 2020-16-11 (Cylinder Modification) not applicable by installed cylinder part number. AD's checked through Biweekly 2021-19. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

Aaron Peter Villery A&P 3224687

w/o 42583

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N (50)

S/N: 691376

Engine Log Entry

Flight Hobbs: 1866.5

Hobbs Meter: 2100.4

26 March 2022

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Installed #2 EGT probe P/N: 16579-002 and cleaned #6 EGT connector. Installed new left turbo support rod heat shrink. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Complied with TATI SI08-01 (Crankcase Breather Discharge Tube) by cleaning crankcase breather discharge tube of coking deposits per Service Instruction. Next inspection due at Flight Hobbs: 1916.5 or next oil change. Complied with TATI SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges per Service Bulletin, no defects noted. Next inspection due at Flight Hobbs: 1916.5 or next oil change. Complied with TATI SB12-02 (Fuel Pump O-ring Seals) by moving mixture control while operating pump on high and inspecting pump mixture control shaft for fuel leakage per Service Bulletin, no leakage noted. Next inspection due at Flight Hobbs: 1916.5 or next oil change. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational check and leak check good.

Bryan Bodjanac A&P 4151726

w/o 43195

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N892AM

Continental

IO-550-N (50)

S/N: 691376

Engine Log Entry

16 May 2022

Flight Hobbs: 1892.1

Hobbs Meter: 2130.5

Installed new #5-cylinder EGT probe P/N: 16579-002.

Matthew L. Schmidt

Matthew Lee Schmidt A&P 4476367

w/o 43396

October 5 2022

N892AM S/N 2738

Continental IO550N(50B) S/N 691376

Flight meter: 1906.4 ENG TT: 1906.4 (Hobbs: 2149.3)



Engle Municipal Airport
395 Airport Drive
Engle, CO 80516

1. Performed a 100hr inspection of engine for annual of N892AM in accordance with FAR 43 appendix D and in reference to continued airworthiness and a checklist as a guide.
 2. Complied with Tornado Alley, SI08-05 induction filter cleaning, SI08-04 heat exchanger inspection, SB08-01 breather discharge tube cleaning, SB08-02 PRV duct inspection, SB09-01 Half stamp exhaust manifold inspection, SB12-02 engine driven fuel pump inspection, SI11-01, inspection of exhaust system slip joints, SB11-04 turbo inlet screen, SB11-03 Turbo support rod alignment.
 3. Performed cylinder compression test #1 58/80 #2 66/80 #3 67/80 #4 62/80 #5 76/80 #6 65/80. Master Orifice 46.
 4. Drained engine oil, removed and examined oil filter. No contamination found. Serviced with 8qts Phillips XC20W50 oil and new AA48108-2 oil filter. Performed run up leak check.
 5. Removed induction PRV wye duct and bonded on new chafe pad. Reinstalled PRV duct.
 6. Retimed both magneto to engine to 21.2BTDC.
 7. Installed new magneto pressurization filter P/N 04-6700015.
- Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. Flushed all oil hoses and lines. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition. -----END-----

Terrill Shafer

Terrill Shafer
AP2860279IA