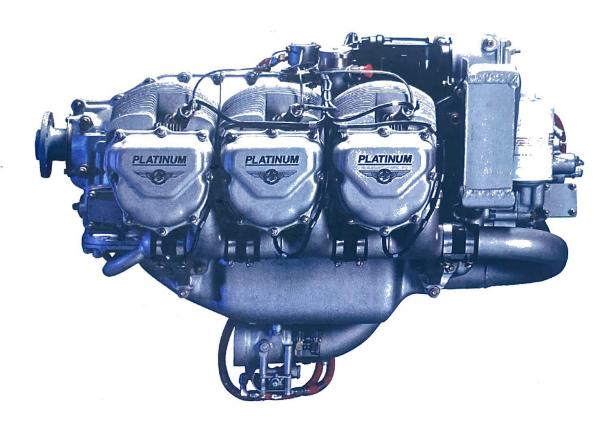
PLATINUM ENGINE LOG BOOK





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	Tota	Time		Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins
0/11/07	6	.2			Modifications and convice Bandane
					THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC CDC OCT 1 1/2007 Cirrus Design Corporation Duluth, MN USA PC# 338CE
120	760 FAS	ST CON	TROL T	OWER	ARAPAHOE AERO ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
19 Octo Change contami	ber 200 d engine nates no ed engi	I C 07 e oil and oted. Re ne summ	Flight H I filter usi emoved of preheat tenance e	tal lobbs: 15 ing (Phill bil pan pro pad using	IO-550-N (50) S/N: 691376 Engine Log Entry
	- Ju	1		AC NO SERVENTION	
24 Octo	N892AN ober 20 ed prope	07 eller gov satisfact	Continen Flight H ernor hig	OWER I	ARAPAHOE AERO ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N (50) S/N: 691376 Engine Log Entry Hobbs Meter: 27.0 etting and engine manifold pressure as needed. Post maintenance L. John Wells A&P 3221132 w/o 25654
	700				
18 Decc Comple engine Inspecte leakage system tube for installar governo operatio	N892AM ember 2 eted 50 oil and ed magn and co and alter obstruction har- proportion and	M 2007 Hour Infilter usinetos anomponen entrate airetions. Idware fools. Insplications Leakage	Continen Flight nspection ing (Aero d ignition t condition f door for inspected or securit pected an	TOWER Intal thobbs: In this date In this da	e using Cirrus 50 Hour Inspection items as a guide. Changed W-50). Cut oil filter open and inspected, no contaminates noted. Inspected engine case for leakage. Inspected induction and operation. Inspected cylinder drains and engine case breather exhaust system, no defects noted. Inspected engine compartment and lubrication and operation of throttle, mixture and propeller down engine cowling. Post inspection engine ground run-up,

Date	Total	Time	Time	Since		
				verhaul	Engine Service and Maintenance Rec	Ord
Brought Farm	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections and Service Bulletins	Ctions
Brought Forward		—			The Sandario	
105				A	ARAPAHOE AERO	
127 N	60 EAS 892 a M	T CON	TROL To	OWER R	COAD ENGLEWOOD, COLORADO 80112 (303) 700 820 c	
20 Viaro	ነ 2008		Babs II-1	1 100	Engine Log Factor	
engine o	ted 50 I il and fi	Hour In	spection	this date	using Cirrus 50 Hour Inspection items as a guide Changed	
Inspecte	d magne	etos and	ignition	11-C	the open and hispected, no contaminates not t	
system a	and com	ponent	condition	and sec	urity. Inspected engine case for leakage. Inspected industing	
tube for	obstruct	ione Ir	enacted.	on aire	This peeted cylinder drains and engine case brooth	
Installati	on hard	ware for	r coourity.	Clarat	his inspected engine compartment	
operation	nal and	leakage	check sa	tisfactory	d lubrication and operation of throttle, mixture and propeller lown engine cowling. Post inspection engine ground run-up,	
	Jh	ul	16		L. John Wells A&P 3221132 w/o 26268	
			I	I		
127	60 EAS	T CON	TROL TO	A OWER R	ARAPAHOE AERO	
N 23 June	892AM				OAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N (50) S/N: 691376 Engine Log Entry	
Comple	ted 50 I	Hour In	th Hobb spection	this data	Hobbs Meter: 213.0	
leakage	and con	ponent	condition	n and sec	urity Inspected engineers Collaboration system for	
areas usi	ing high	temper	ature RT	V Instal	led new intercooler discharge CODET 5	
	1		O DICYCII	L CHAIIII9	IIISDECIED Induction exists and alternate - 1 c	
adjusted	new rig	ght hand	turbocha	arger brad	sket P/N: ETJ. G2 600 102 1 and assess to 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	arred lie	W Slave	wastegat	e cievis r	110 P/N: MS 20302 1C21 using many as feet. 1	
Checked	l lubrica	ation and	d operation	on of thro	attle mixture and propeller governor and all for security.	
Ilistalled	new ca	ioin air i	induction wn engin	SCEET	air duct hose firewall installation kit P/N: 70104 001	
Post inspect	pection	engine g	ground ru	in-up, ope	g. erational and leakage check satisfactory.	-
	AU.	hul	ull		L. John Wells A&P 3221132 w/o 26645, 26653	
					A DA DA MOSTA A DE C	
127	760 EAS	ST CON	TROL T	OWER I	ARAPAHOE AERO ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386	
N	1892AN	1	Continen	tal	IO-550-N(50) S/N: 691376 Engine Log Entry	
16 July Adjuste		Flig e manifo	sht Hobb	s: 189.8 are to spe	Hobbs Meter: 233.9 cified setting. Post adjustment ground run-up and operational	
check sa	atisfacto	ry.				
- OZ	Sul	Mes	m		L. John Wells A&P 3221132 w/o 26742	
£						
1						

Date	Total	Time		Since verhaul	Engine Service and Maintenance Reco	rd
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins	ons,
ought Forward		—			Modifications and octates ballouns	_
Jugiit i orivara					ARAPAHOE AERO	
	160 E A S	T CON	TROL TO	OWER R	ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386	
	892AM		Continent	tal	IO-550-N (50) S/N: 691376 Engine Log Entry	
30 Sente	ember 2	2008	Flight	Hobbs:	225.3 Hobbs Meter: 290.3	
Comple	ted 50 I	Hour In	spection	this date	using Cirrus 50 Hour Inspection items as a guide. Changed V-50). Cut oil filter open and inspected, no contaminates noted.	
Inspecte	d maone	etos and	ignition	leads for	condition and security. Inspected fuel injection system for	
leakage	and con	nonent	condition	n and sec	urity. Inspected engine case for leakage. Inspected induction	
system a	and alter	nate air	door for	security	and operation. Repositioned and secured case breather tube rains and engine case breather tube for obstructions. Adjusted	
cushion	of wirir	mp. Ins	spected c	ynnaer ai stalled ne	ew Reiff Preheat Systems grounding wire ring type terminal	
connecte	or, opera	ational c	heck sati	sfactory.	Inspected engine exhaust system, no defects noted. Inspected	
engine c	omparti	ment ins	tallation	hardware	e for security. Lubricated throttle and propeller control cables and	
linkages	, no fur	ther stiff	mess note	ea. Inspe eakage ch	ected and wiped down engine cowling. Post inspection engine neck satisfactory.	
ground	11	1	ull		L. John Wells A&P 3221132 w/o 27086	
	1	1	1	1		
				1	ARAPAHOE AERO	
					ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(50) S/N: 691376 Total Time: 246.5	
-	N892AN ember 2		Continen Flight	tal Hobbs:		
100 Ho	ur Insp	ection f	or Annu	al comple	eted this date using the Cirrus SR22 Maintenance Manual	
Inspect	ion Forn	n and th	e Tornad	o Alley T	Turbo, Inc. Scheduled Maintenance Check List as a guide.	
Compre	ession te	roshell	/3/80, #2 _. 15W-50)) /5/80, # Cut oil :	\$3, 75/80, #4) 73/80, #5) 78/80, #6) 76/80. Changed engine oil and filter open and inspected, no contaminates noted. Cleaned, gapped,	
tested	and rota	ted spar	k plugs. A	Adjusted	left and right magneto to engine timing. Cleaned and resealed fuel	
injectio	n nozzle	es. Next	fuel inje	ction no	zzle servicing due Flight Hobbs: 346.5. Removed engine coked ved damaged mechanical rivet and installed new left hand aft	
baffle s	eposits eal retai	from cas	hine scre	w and se	lf-locking nut. Fabricated and installed new aft baffle support	
bracket	adjacer	nt to star	ter and ti	ghtened c	case through bolt to specified torque. Installed new alternator	
SCAT	flexible	air duct	seal retai	iner rivet.	Repositioned induction air SCAT flexible cross over air duct anti-chafe material. Repositioned and secured left hand and right	
hose an	d applie	ea nign i It heat sl	emperatu nields. Ir	ire Kī v a	ew right hand aft outboard exhaust bracket P/N: 20155-009.	
Reverse	ed left h	and turb	ocharger	lower lat	teral support shim, no further chafing on structure noted.	
Pressur	e tested	exhaust	system a	ind cleane	ed away adhesive residue from tail pipes. Washed engine down ed and cleaned per K&N Air Filter Service Instruction 18627.	
Inspect	ed and l	ubricate	d engine	throttle, i	mixture and propeller governor controls, operational check	
satisfac	tory. Ac	ljusted n	nanifold	pressure a	and idle speed. Checked fuel system set-up as outlined in TCM	
SID97-	3(E), no	adjustn	nents wer	e require	d. Complied with TAT SIL A-131 (Turbocharger Data Tag urbocharger data tags for looseness as outlined in Service	
Inspect	non) by	inspecti tter, no o	ng ien ai defects no	oted. Cor	mplied with TAT SB08-01(Turbocharger Exhaust Elbows) by	
inspecti	ing left a	and right	t hand tur	rbocharge	er exhaust elbows per Service Bulletin for Group B SR22 aircraft.	
Left har	nd turbo	charger	exhaust of	elbow pre	eviously complied with and right hand unit required modification oted. ADs checked through Biweekly 2008-23. Post inspection	
per Ser engine	ground i	run-un.	operation	al check	and leak check satisfactory. I CERTIFY THAT THIS ENGINE	
HAS B	EEN IN	SPECT	ED IN	ACCORI	DANCE WITH A 100 HOUR INSPECTION AND WAS	
DETE	1//	//			ORTHY CONDITION. L. John Wells A&P 3221132 w/o 27233, 27234	
	140	nh	uel		L. JUHII WCHS A&I 3221132 W/U 2/255, 2/254	

Date	Total	Time		Since verhaul	Engine Service and Maintenance Re	Cor
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections and Service Bulletins	ections
t Forward						_
Forward						
	1 01	T CONT	noi To		RAPAHOE AERO	_
1270	50 EAS	CONT	ntinenta	JWEKK	OAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 O-550-N (50) S/N: 691376 Engine Log Entry	
No 5 March	392AM			s: 297.1		
Complet	ed 50 H	lour Ins	pection t	his date	using Cirrus 50 Hour Inspection items as a guide, Changed	1-
engine oi	l and fil	ter using	g (Aerosi	iell 15W	-50). Cut oil filter open and inspected, no contaminates noted	-
Inspected	magne	tos and i	gnition le	eads for c	condition and security. Inspected fuel injection system for	_
leakage a	nd com	ponent c	cks in #2	and #4 c	rity. Inspected cooling baffles and seals for condition and ylinder cooling baffles as needed. Inspected engine case for	
security.	Inspect	ted cylin	der drain	s and eng	gine case breather tube for obstructions. Removed cracked end	
on hose a	nd reins	stalled br	eather tu	be hose.	Checked oil lines for security. Repositioned and secured engine	-
left rear h	ose asso	emblies	to preven	t further	chafing. Installed new slave wastegate P/N: 22-6150026 and	_
removed	original	slave w	astegate i	interconn	ect cable assembly installed and rigged new wastegate linkage isfactory. Installed new right exhaust forward heat shield P/N:	_
KIT P/N: 2	,2-3030i 20-21 Ir	isnected	engine e	xhaust sv	ystem, no defects noted. Inspected induction system and	
alternate	air door	for secu	rity and	operation	. Inspected engine compartment installation hardware for	
security.	Checke	d lubrica	ation and	operation	n of throttle, mixture and propeller governor controls.	
Repositio	ned and	secured	cabin he	at SCEE	T air duct hose to prevent further chafing on exhaust. Inspected	_
and wiped satisfacto		engine c	owling.	Post insp	pection engine ground run-up, operational and leakage check	_
Satisfacto	14.	red	11		L. John Wells A&P 3221132 w/o 27641, 27642	
				1		1
				A1	RAPAHOE AERO	1
1276	O FAST	r CONT	ROL TO		OAD ENGLEWOOD, COLORADO 80112 (303) 799-8386	
	92AM		ntinenta		O-550-N (50) S/N: 691376 Engine Log Entry	_
12 June 2				349.3		 —
					sing Cirrus 50 Hour Inspection items as a guide. Changed 50). Cut oil filter open and inspected, no contaminates noted.	I
Inspected	magnet	os and i	nition le	ads for co	ondition and security. Inspected fuel injection system for	
leakage a	nd comp	onent co	ondition a	and secur	ity. Inspected engine case for leakage. Inspected induction	
					d operation. Installed and adjusted new alternate air door	-
					ational check satisfactory. Inspected cylinder drains and engine ed oil lines for security. Inspected engine exhaust system, no	
					aust pipe assembly P/N: 22-6150016, no further defects noted.	l
Inspected	engine	compart	ment inst	allation h	ardware for security. Checked lubrication and operation of	
					trols. Installed new fresh air inlet SCAT air duct hose	
					and wiped down engine cowling. Installed new lower cowling ection engine ground run-up, operational and leakage check	
aft close-o			65-002	detti 160 i	ection engine ground run up, operational and leakage encor	
aft close-o	ry	7 /	65-002.			
	y. Al	hil	65-002.	1/	L. John Wells A&P 3221132 w/o 28002	
	ry.	hil	1865-002.		L. John Wells A&P 3221132 w/o 28002	
	y. Al	hil	Sel			
	y. All	ENGI	NE LO	G ENT	L. John Wells A&P 3221132 w/o 28002 RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W	
	y. Al	ENGI COM	NE LO	G ENT	RY N892AM CIRRUS SR-22	-
	Y. YU	ENGI COM CIRR	NE LO PLETE US INS	G ENT	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W	
	Y. Je	ENGI COM CIRR AND	INE LO PLETE US INS FILTE	G ENT D 50 HO PECTION R REMO	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W ON GUIDE OIL DRAINED	
	Y. JU	ENGI COM CIRR AND CON	NE LO PLETE US INS FILTEI FAMAI	G ENTE D 50 HO SPECTION R REMONANTS	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W ON GUIDE OIL DRAINED OVED AND INSPECTED FOR	
	Y. Yl	ENGI COM CIRR AND CONT RE-SI	INE LO PLETE US INS FILTEI FAMAI	G ENTE D 50 HO PECTION R REMO NANTS ED ENC	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W ON GUIDE OIL DRAINED OVED AND INSPECTED FOR S NONE FOUND AT THIS TIME	
	TY. LE	ENGI COM CIRR AND CON RE-SI W-10	NE LO PLETE US INS FILTEI FAMAI ERVICI	G ENTE D 50 HO SPECTION R REMO NANTS ED ENO T AD O	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W ON GUIDE OIL DRAINED OVED AND INSPECTED FOR S NONE FOUND AT THIS TIME GINE WITH 8 QTS AEROSHELL	
	TY. JU	ENGI COM CIRR AND CONT RE-SI W-100 FILTH ACTU	INE LO PLETE US INS FILTEI FAMAI ERVICI 0 50 WT	G ENTE D 50 HO SPECTION R REMO NANTS ED ENC F AD O BRICAT S RAN	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W ON GUIDE OIL DRAINED OVED AND INSPECTED FOR S NONE FOUND AT THIS TIME GINE WITH 8 QTS AEROSHELL IL AND CHAMPION 48108-2 TED WASTE GATES AND ASSO. ENGINE FOR LEAK NONE FOUND	
	Y. Yl	ENGI COM CIRR AND CON RE-SI W-100 FILTH ACTU AT TI	INE LO PLETE US INS FILTEI FAMAI ERVICE 0 50 WT ER LUB JATOR HIS EN	G ENTE D 50 HO PECTION R REMO NANTS ED ENC F AD O BRICAT S RAN GINE C	RY N892AM CIRRUS SR-22 OUR INSPECTION I/A/W ON GUIDE OIL DRAINED OVED AND INSPECTED FOR S NONE FOUND AT THIS TIME GINE WITH 8 QTS AEROSHELL IL AND CHAMPION 48108-2 TED WASTE GATES AND ASSO.	

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record	
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections Modifications and Service Bulletins	S,
Brought Forward		-				
No 10 Dece 100 Hou Inspection Compression and filter and substitution installed cooling secured hand into P/N: AL alternated installed new cab and appengine recushion TAT SI exchanges 559.4. Compression inspection instruction (SB) No turbo more new cab and appengine recushion to the cooling secured installed exchanges 559.4. Compression inspection inspection instruction (SB) No compression in the cooling inspection in the cooling in the	1892AM Imber 2 In Inspector Inspecto	doog ection for and the st: #1) 6 shell 15 Installe extem for right coupport the er de-ice of the extent for th	Continen Flight or Annu e Tornad 50/80, #2/ 5W-50). d (12) ne or leakage oling baf oracket. e line and cTI-G3-50 talled nevel d installed lexible ai box flexi irrature R2 tt, repaint d installed in Service (TATI) (reather di ection du 1 (Exhau installed re t Flight I 2 (PRV/ Bulletin, rew left ar it Hobbs system. Filter Service can repla Head Se Biweekly RTIFY	TOWER Istal Hobbs: al completed of Alley 7, 17,80, # Cut oil fife rivete Installed It applied 00-3. Installed It applied 00-3. Installed It applied 1,00-3. Installed It applied 2,00-3. Installed It applied 3,00-3. Installed 3,00	ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(50) S/N: 691376 Total Time: 459.4 459.4 Hobbs Meter: 556.9 eted this date using the Cirrus SR22 Maintenance Manual Furbo, Inc, Scheduled Maintenance Check List as a guide. #3), 69/80, #4) 69/80, #5) 70/80, #6) 70/80. Changed engine oil filter open and inspected, no contaminates noted. Oil sample taken pion RHB-32E spark plugs. Checked magneto to engine timing. ed and secured new right cylinder drain line. Fabricated and d surface doubler repair. Fabricated and installed new rear new right air induction tube P/N: ETI-G2-200-R, rerouted and anti-chafe material, no further contact noted. Installed new right spected #1) alternator slip rings and installed new brush assemblies tor control module P/N: 14605-001 and repaired and secured #1) afe material. Reclocked and secured right exhaust heat muff and use, no further contact with cabin heat control box noted. Installed fuct firewall insulation blanket P/N: 70194-001. Adjusted baffle to turbocharger induction SCAT flexible air duct hose. Inspected ded area and reinstalled master wastegate oil line using new diware, no further contact noted. Complied with (TATI) (SI) No. Tailpipe Cracking) by pressure test of left and right heat tion, no defects noted. Next inspection due at Flight Hobbs: TAT S108-01 Rev A (Crankcase Breather Discharge Tube) by tube and removing coking deposits as outlined in Service th Hobbs: 509.4 or next oil change. Complied with (TATI) fold Cracks) by inspecting exhaust manifolds for cracks around exhaust manifold Kit P/N: 22-6180002, no further defects noted. 109.4 or next oil change. Complied with (TATI) Vear Pad) by inspecting PRV/Y tube and installing anti-wear pad to metal erosion noted. Torqued left exhaust heat shield clamps. ail pipe V-band clamps P/N: 11-1100023. Next V-band clamp Installed new right tail pipe ground strap P/N: MS25083-6BB6. engine down using solvent. Induction air filter inspected and function 18627. Checked and lubricated throttle, mixture and function 18627. C	

Engine Service and Maintenance Record **Total Time** Time Since Date Installations, Inspections, Airworthiness Directives, Special Inspections, Last Overhaul Hrs. Hrs. Min. Min. **Brought Forward** ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 **N892AM** IO-550-N (50) Continental 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 contaminates 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. 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.

L. John Wells A&P 3221132 w/o

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 contaminates 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. ____L. John Wells A&P 3221132

ARAPAHOE AERO

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

w/o 30073

Total Time: 581.3

3 February 2011 Flight Hobbs: 581.3 Hobbs Meter: 704.8

Continental

N892AM

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: AC10GA547and 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 contaminates noted.

(Page 1) (Continued)

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record			
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins	ns,		
ought Forward		-			modification street and street an			
				Λ	ARAPAHOE AERO			
	760 EAS	T CON	TROL TO	OWER R	OAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
	1892AM		ontinent	al I	(O-550-N(50) S/N: 691376 Total Time: 581.3			
3 Febru	ary 201	1 1	Flight H	obbs: 58	31.3 Hobbs Meter: 704.8			
				((Continued) (Page 2)			
Oil sam	ple taker	and sul	bmitted.	Cleaned,	, gapped, tested, and rotated spark plugs. Reinstalled left tailpipe eliarc Welding Service, CRS No. VX3R935L, W/O #14945,			
P/N: 22	-013000. 1-17-201	1 Com	wing rep	th Magn	neto 500 Hour Inspection on Bendix magnetos P/N: 10-500556-			
101 (le	ft) S/N: I	D07HA	187and (r	ight) S/N	J: D07HA108. Cleaned and inspected magnetos and installed			
new no	ints P/N	10-382	584 felts	s clins h	orushes seals and (2) distributor gear Kits P/N:10-33/380.			
Assemb	led magi	netos se	t interna	l timing a	and torqued assembly hardware. Compiled with 1 CW 186645			
(Impuls	e Count	ing) by	visual an	d dimens	sional inspection of impulse couplings and the replacement of the			
main sp	ring P/N	: 10-513	324 as ou	tlined in	Service Bulletin. Reinstalled impulse couplings on magnetos and Reinstalled magnetos using new gaskets P/N: 10-400613 and set			
time of	and safe	s to enc	ine Nov	raware.	ur magneto inspection due Flight Hobbs: 1081.3. Installed			
new ma	oneto pr	essuriza	tion filter	P/N · 13	76-2. Next magneto filter replacement due February 2014 or			
Flight 1	Jobbs: 8	881.3. In	nspected	fuel syste	em components for condition and security. Checked fuel system			
for leak	age. Fal	oricated	and insta	lled right	t forward cooling baffle riveted surface doubler repair and			
reinstal	ed baffle	e assemb	oly. Insta	alled new	right front cooling baffle duct flange rivet. Fabricated and			
installe	new rea	ar coolir	ng baffle	support b	pracket. Secured left exhaust aft heat shield. Washed engine			
down u	sing solv	ent. Ins	stalled ne	w left an	d right lower cowling aft seals P/N: 50700-063U. Inspected and governor controls, operational check satisfactory. Complied with			
TAT S	08-01 R	ev A	ure and p Trankcas	e Breath	ner Discharge Tube) by cleaning crankcase breather discharge			
tube an	d removi	ing coki	ng denos	its as out	lined in Service Instruction. Next inspection due at Flight			
Hobbs	631.3 o	r next o	il change	e. Comp	olied with TAT SI08-04 (Cabin Heat Augmenter /Tailpipe			
Cracki	ng) by p	ressure o	decay tes	t of heat	exchangers as outlined in Service Instruction. Next inspection			
due at	Flight H	obbs: 6	81.3. Co	omplied y	with TAT SI08-05 (Induction Air Filter) by inspecting and			
servicir	g induct	ion air f	ilter per	Service II	nstruction. Complied with TAT SB09-01 (Exhaust Manifold for cracks around turbo mount flanges. Next inspection due at			
Flight) by msp	631 3 or	nevt oil	change	Kelly Aerospace AD 2010-07-08 (Turbine Wheel Failure)			
effectiv	e 04-19-	2010. d	loes not a	apply by	installed turbocharger part numbers, no further action required.			
Contin	ental AI	2010-1	11-04 (H	ydraulic	Lifter Rapid Wear) effective 06-16-2010, supersedes AD 2009-			
24-52 E	does no	ot apply	by engin	ne serial r	number and maintenance history, no further action required.	-		
AD's c	necked th	hrough I	Biweekly	2011-03	Post inspection engine ground run-up, operational check and			
leak ch	eck satist	factory.	I CERT	IFY THA	AT THIS ENGINE HAS BEEN INSPECTED IN INSPECTION AND WAS DETERMINED TO BE IN AN			
			ITION.	HOUR	INSPECTION AND WAS DETERMINED TO BE IN AN	1		
— AIKW		111)		L. John Wells A&P 3221132 w/o 30138	-		
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	-		'	<u> </u>	ARAPAHOE AERO	٦_		
12	760 EAS	ST CON	TROL T		ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
	N892AN		Continen		IO-550-N(50) S/N: 691376 Engine Log Entry			
—— 11 Apr	il 2011			bs: 606.	5 Hobbs Meter: 734.3	-		
					oshell 100 Plus). Cut oil filter open and inspected, no			
		oted. Po	st mainte	enance er	ngine ground run-up, operational check and leakage check			
satisfac	satisfactory. L. John Wells A&P 3221132 w/o 30454							
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Engine Service and Maintenance Record Time Since Total Time Installations, Inspections, Airworthiness Directives, Special Inspections, Last Overhaul nate Min. Hrs. Modifications and Service Bulletins Min. Hrs. Forward ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N (50) **Engine Log Entry** Continental N892AM Flight Hobbs: 689.0 **Hobbs Meter:** 26 August 2011

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed 26 August 2011 Completed 30 Hour Ampletic Changed engine oil and filter (Aeroshell 100+). Cut oil filter open and inspected, no contaminates noted. Oil engine oil and little (Assertation and submitted. Checked oil lines for security. Inspected magneto security and ignition leads. Sample taken and seeming as needed. Inspected induction and alternate air system. Inspected cylinder Adjusted magneto timing as needed. Adjusted magneto things and engine case breather tube for obstructions. Inspected engine compartment installation hardware drains and engine case of call of the security. Secured inner CHT baffles as required. Complied with TAT S108-01 (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 A&P 3221132 Mucuell ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Total Time: 674.3 S/N: 691376 IO-550-N(50) Continental N892AM Hobbs Meter: 811.7 Flight Hobbs: 674.3 17 March 2012 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 contaminates 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. (Continued) (Page 1)

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

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N892AM Continental S/N: 691376 Total Time: 674.3 IO-550-N(50)

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 A&P 3221132

w/o 31629

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 691376

N892AM Continental IO-550-N (50)

Hobbs Meter:

Engine Log Entry

22 June 2012 Flight Hobbs:

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 A&P 3221132

w/o 32039

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 **Engine Log Entry**

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

Ululle

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 A&P 3221132

w/o 32011

Engine Service and Maintenance Record Time Since **Total Time** Date Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Min. Hrs. Min. Hrs. Modifications and Service Bulletins **Brought** ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N (50) S/N: 691376 **Engine Log Entry** Hobbs Meter: 909.7 20 September 2012 Flight Hobbs: 759.6 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 contaminates 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 Pobert Tavell 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 contaminates 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. w/o 32978 Greg Sickafoose A&P 3443687

Date Tota		Time		Since verhaul	Engine Service and Maintenance Recor
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection
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ght Forward	1.				
				A	ARAPAHOE AERO
127	60 EAS7	ΓCON	TROL T	OWER I	ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
_ r	N892AM	l		Cor	itinental IO-550-N(50) S/N: 691376
16 Augu	st 2013	F	dight Ho	bbs: 82.	3.8 Hobbs: 986.3
- Removed	1 fuel inje	ectors,	cieanea,	resealed	and reinstalled. Ground run operational and leak checks
Satisfacia	2, 5	S 13	ellos		Alberto Pizzato A&P 2522916 w/o 33464
_ [)			I	Alberto 1122ato A&1 2322710 W/0 33404
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	T A C	r con	TDOL T		ARAPAHOE AERO
					ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
7	892AM mber 20:		Continen	Hobbs:	IO-550-N (50) S/N: 691376 Engine Log Entry
					857.1 Hobbs Meter: 1024.8 e using Cirrus 50 Hour Inspection items as a guide. Changed
engine o	il and fil	ter (Ae	roshell 1	15W50).	Cut oil filter open and inspected, no contaminates noted.
Checked	oil lines	for sec	curity. In	spected	magneto security and ignition leads. Inspected induction and
- alternate	air syste	m. Ins	pected cy	ylinder d	rains and engine case breather tube for obstructions. Inspected
engine co	ompartm	ent ins	tallation	hardwar	e for security. Complied with TAT SI08-01 (Breather
Dischar	ge Tube)) by cle	eaning di	scharge t	tube. Complied with TAT SB 09-01 (Exhaust Manifold) by
visual in	spection	of exh	aust man	ifold – n	to defects noted. Complied with TAT SB 12-02 (Fuel Pump
Inspecti	on) by m	noving	mixture	control v	while operating pump on high – no leaks noted at the pump.
- check go		peu uo	wii engii	ie cowiii	ng. Post inspection engine ground run-up, operational and leakage
Check go	X (he	2	Can		Dave A. Danner A&P 2828262 w/o 33932
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					ARAPAHOE AERO
					ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(50) S/N: 691376 Total Time: 893.5
	892AM		Continen		10 220 1.(20)
10 May	2014	Flig	ht Hobb	s: 893.5	Hobbs Meter: 1069.5 leted this date using the Cirrus SR22 Maintenance Manual
100 Hou	ir Inspec	etion ic	Tornad	ar compr	Furbo, Inc, Scheduled Maintenance Check List as a guide.
Compres	ocion test	· #1) 5	8/80 #2	70/80 #	#3) 64/80, #4) 70/80, #5) 68/80, #6) 70/80. Changed engine oil
and filter	rusing (/	Aerosh	ell 15W	-50). Cu	nt oil filter open and inspected, no contaminates noted. Oil sample
taken and	d submitt	ted. In	stalled (12) new	Champion RHB32E spark plugs. Checked timing of magnetos to
engine I	nspected	lionitio	on harnes	ss for cor	ndition and security. Installed new left magneto harness cap
nreccuriz	ration gas	sket P/	N· 10-35	7520. In	stalled new pressurization filter P/N: 1396-2 for magnetos. Next
renlacen	nent due	May	2017 or	Flight H	lobbs: 1193.5. Inspected fuel system components for condition
and secur	rity Che	cked fi	iel system	m for lea	kage. Inspected #1 alternator slip rings and brush assemblies for
condition	and sec	urity. I	Next insp	pection o	due May 2015. Inspected engine cooling baffles and seals for
— condition	and sec	urity. S	stop-dril	led crack	as in cooling baffles as needed. Installed new left exhaust forward
heat shie	ld P/N: E	TI-G2	-20-22.	washed	down engine using solvent. Complied with Tornado Alley Turbo and clamps P/N: 11-1100023. Next V-band clamp replacement
(ICA) an	d installe	ed (2) n	iew tail p	orpe v-ba	d pressure tested exhaust system. Inspected left and right
— due Fligl	it Hobbs	S: 1343	and sec	urity and	I lubricated using Mouse Milk. Inspected and lubricated throttle,
_ wastegate	s for cor	naition	vernor o	urity allu controle	operational check satisfactory. Complied with TAT SI08-01
mixture a	na prope	ener go	ther Di	scharge	Tube) by cleaning crankcase breatner discharge tube and
D. 4 //					1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
mam avina	· ooking	denneit	te as outl	ined in S	Service Instruction. Next inspection due at Flight Hobbs: 943.5
removing	coking	deposit	ts as outl	ined in S	Service Instruction. Next inspection due at Flight Hobbs: 945.5
or next o	coking of change	deposite. Con	ts as outl mplied wat exchai	ined in S vith TAT ngers as	Service Instruction. Next inspection due at Flight Hobbs: 943.5 IT S108-04 (Cabin Heat Augmenter/Tailpipe Cracking) by outlined in Service Instruction, no defects noted. Next inspection th TAT S108-05 (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

(Continued)

around turbo mount flanges. Next inspection due Flight Hobbs: 943.5 or next oil change. (Page 1)

Engine Service and Maintenance Record Time Since **Total Time** Last Overhaul Date Installations, Inspections, Airworthiness Directives, Special Inspections, Min. Hrs. Modifications and Service Bulletins Min. Hrs. ught Forward ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 691376 Continental IO-550-N(50) Total Time: 893.5 N892AM Flight Hobbs: 893.5 Hobbs Meter: 1069.5 10 May 2014 (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. L. John Wells A&P 3221132 w/o 34303 ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 691376 IO-550-N(50) N892AM Continental Flight Hobbs: 919.9 Hobbs: 1101.0 4 July 2014 Disassembled MCU, checked terminals and shunt associated with the #2 amperage indication. Reassembled as needed. Ground run, operational check satisfactory. w/o 34541 L. John Wells A&P 3221132 ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 691376 **Engine Log Entry** N892AM Continental IO-550-N (50) Hobbs Meter: 1168.6 3 October 2014 Flight Hobbs: 978.2 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 contaminates 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 Installed new #6 cylinder EGT probe (P/N: and security. Inspected engine case and oil lines for leakage. 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 S108-01 (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. L. John Wells A&P 3221132

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				Engine Service and Maintenance Record Legactions Airworthiness Directives, Special Inspections,				
	. =:	Time	Since	Engine Service and Marite Teachers, Inspections, Airworthiness Directives, Special Inspections, Installations, Inspections, Bulletins				
Date	Total Time	Last O	verhaul					
Date	1.0	Hrs.	Min.	Installations, Inspections, Familian Modifications and Service Bulletins	٦			
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	rd —			1200	\dashv			
Brought Forwa	<u> </u>			ARAPAHOE AERO COLORADO 80112 (303) 799-8386				
		NTROL	TOWER	ROAD ENGLEWOOD, CODON Engine Log Entry				
	12760 EAST CO	Contine	ARAPAHOE AERO TROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 TROL TOWER ROAD ENGLEWOOD, S/N: 691376 Engine Log Entry IO-550-N (50) S/N: 691376 Engine Log Entry Inthobs: 1038.4 Hobbs Meter: 1228.8 Inthobs: 1038.4 Hobbs Meter: 1228.8 Inthobs: 1038.4 Hobbs Meter: 1228.8 In Hobbs: 1038.4 Hobbs:					
	N892AIVI	TU-bt Ho	bbs: 103	38.4 Hour Inspection items as a guide. Changingtes	\dashv			
5 N	March 2015	Servicing	this date	e using Circus 30 Cut oil filter open and inspected, no lerrous community (50). Cut oil filter open and inspected fuel injection system				
Co	in oil and filter u	ising (Aer	oshell 12	leads for condition and security. Inspected facing for obstructions				
eng	ed Inspected ma	gnetos and	I ignition	le using Cirrus 50 Hour Inspected, no ferrous contaminates (W-50). Cut oil filter open and inspected fuel injection system leads for condition and security. Inspected fuel injection seak checked fuel system. Inspected cylinder drains for obstructions eak checked fuel system. Inspected cylinder drains for obstructions oil lines for leakage. Installed and secured new right turbochargers have tystem for condition and security. Inspected turbochargers				
for	component condi	tion and so	case and	oil lines for leakage. Instance and security. Inspected turbochargers	_			
and	security. Inspec	5 Inspect	ed engine	exhaust system. Inspected induction system and differences				
TI:	probe Pill. 602	andition, S	ecurity a	and proper rigging mixture and properlies governor with				
and	wastegates for the for security and	operation	. Checke	ine compartment installation hardware for security. Complete with ine compartment in the complete with installation hardware for security. Complete with ine compartment installation hardware for security. Complete with inequality in the compartment in the compartmen				
doc	orational check go	od. Inspe	cted eng	ine compartment instanted by cleaning crankcase breather discharge tube of bischarge Tube) by cleaning crankcase breather discharge tube of bischarge Tube) by cleaning crankcase breather discharge tube of crankcase breather discharge	_			
ope	TI S108-01 (Cra	nkcase Br	eather L	Next inspection due at Flight Hobbs. Posternamifolds for cracks				
Co	mplied with TAT	J SBU9-0	r Service	Next inspection due at Flight Hobbs: 1088.4 or next on changes Next inspection due at Flight Hobbs: 1088.4 or next on changes Inst Manifold Cracks) by inspecting exhaust manifolds for cracks Bulletin, no defects noted. Next inspection due at Flight Hobbs: Bulletin, no defects noted. Next inspection due at Flight Hobbs: With TATI SB12-02 (Fuel Pump O-ring Seals) by moving with TATI SB12-02 (Fuel Pump O-ring Seals) and the properties of				
aro	und turbo mount	ange Co	mplied	with TATI SB12-02 (Fuel 1 unip	_			
108	38.4 01 Heat on the	operating	g pump c	n high and hispecting part Flight Hobbs: 1088.4 of flext on change				
mix	Sorvice Bulletin.	no leakag	e noted.	Next inspection due at 1 age.				
per	t inspection engil	e ground	run-up c	Next inspection due at Fight perational check and leak check good. L. John Wells A&P 3221132 w/o 35376	_			
103	1111	ch	16					
	'			ARAPAHOE AERO COL OR ADO 80112 (303) 799-8386				
	CT C(NITDOI	TOWER	ARAPAHOE AERO ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386	_			
i	12760 EAST CO	Contine	ıtal	IO-550-N(50) S/N: 6913/6	_			
	N892AM	LLA Hah	he: 1079	Hobbs Meter: 1270.1				
11	June 2015	for Ann	ual comp	Deleted this date using the Cirrus SR22 Maintenance Turbo, Inc, Scheduled Maintenance Check List as a guide. Turbo, Inc, Scheduled Maintenance Check List as a guide. Turbo, Inc, Scheduled Maintenance Check List as a guide. ———————————————————————————————————	_			
100	pection Form and	the Torna	do Alley	Turbo, Inc, Scheduled Maintenance Check List as a guide. Turbo, Inc, Scheduled Maintenance Check List as a guide. Turbo, Inc, Scheduled Maintenance Check List as a guide. List as a guide. ———————————————————————————————————	_			
Col	mpression test: #1) 69/80, #3	2) 75/80,	#3) 74/80, #4) 72/80, #5) test of the sample will filter open and inspected, no contaminates noted. Oil sample				
and	filter using (Aer	shell 15V	V-50). C	#3) 74/80, #4) 72/80, #5) 74/80, #6) 74/80. Changed engage #3) 74/80, #4) 72/80, #5) 74/80. Changed engage #3) 74/80, #4) 72/80, #5) 74/80. Changed engage #3) 74/80, #4) 72/80, #5) 74/80. Changed engage #3) 74/80, #4) 74/80. Changed engage #3) 74/80, #4) 74/80. Changed engage #30 74/80. Changed engage #				
take	en and submitted.	Cleaned	, inspecte	ed, gapped, tested, and rotated spark plugs. Removed 1975 and S/N: D07HA108 respectively for 500 hour S/N: D07HA187 and S/N: D07HA108 respectively for 500 hour plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and installed new breaker points P/N: 10-382584, new gear plug and plug				
1	D/NI- 111-45 / 3AD	msurouto	I DIOULE -	1 win ac and accempled illagilation of	_			
and	rotor seals. Clea	ghtened as	ssembly	repacked magneto rotor bearings and assembles magneto rotor bearings and assemble magneto rotor bearings and assembles mag				

internal timing and tightened assembly hardware. Complied with (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 selflocking 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.

(Page 1) (Continued)

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Date	Total Time
	Hrs. Min. Hrs. Min. Hrs. Min. Hrs. Min. Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forwar	ADADAHOE AEDO
į.	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (302) 700 ac
	11 June 2015 Flight Hobbs: 1079.9 Hobbs Meter: 1270.1
	Inspected and realigned left forward exhaust support and Town
	propeller governor controls, operational check satisfactors. Inspect and lubificated throttle, mixture and
	component condition and security. Cylinder #2 probest element is an element preneat system for
	use, no further defects noted. Complied with TAT SI08-01 Rev A (Crankcase Breather Discharge
	Instruction. Next inspection due at Flight Hobbs: 1129 9 or port oil shares.
	I SIVO-VT (CAUM IICAL AUPMEMENTELLI MINIME CENERINGI DV DESCRIPS ASSOCIATION - CI
i	with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction are Si
	I moduction. Next air litter servicing due Flight Hopbs: 1179.9. Complied with TAT space of con-
1	I Maintoid Clacks) by inspecting exhaust manifold for cracks around furbo mount florers. By
	inspection due Flight Hobbs: 1129.9 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 June 2016. Complied with TAT State of
	(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 overboard dump tube, no further defects noted. Next inspection due June
	2016 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.
	Installed new left and right turbocharger upper support bracket P/N: 22-6250005 and P/N: 22-6250006
4	respectively using new mounting bolts P/N: MS21250-05020, no further defects noted. Next inspection due June 2016 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 2016. 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: 1129.95 or next oil change. Continental AD 2014-05-29 (Superior Air
	Parts Cylinder Head Separation) effective 04-25-2014, does not apply, factory installed (TCM) cylinders
r	are installed, no further action required. AD's checked through Biweekly 2015-11. 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 35623
•	L. John Weis Act 3221132 W/0 33023
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Total Time Time Since **Engine Service and Maintenance Record** Date Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Hrs. Min. Hrs. Min. Modifications and Service Bulletins Brought Forwa 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 contaminates 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. Casa Do Shart Jason D. Schaaf A&P 3551738 w/o 35878 ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 **Engine Log Entry** N892AM IO-550-N (50) S/N: 691376 Continental Hobbs Meter: 1405.5 Flight Hobbs: 1215.0 4 December 2015 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 contaminates 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 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-Q01051with new boot P/N: MS25171-3S on positive terminal and gasket, P/N: 653981. Ground run, operational check satisfactory.

Simon Rubino A&P 2670700

w/o 36446

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N892AM Continental IO-550-N(50)

02 March 2016 Flight Hobbs: 1248.3

Broug

Hobbs: 1338.8

S/N: 691376 **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.

Simon Rubino A&P 2670700

w/o 36522

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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: 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 contaminates 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.

Simon Rubino A&P 2670700

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 contaminates 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 S108-05 (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 Vband 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 runup, 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.

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L. John Wells A&P 3221132

w/o 37952

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ARAPAHOE AERO

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

Hobbs Meter: 1751.4 Flight Hobbs: 1560.5 14 December 2017 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 contaminates 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 S108-01 (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.

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Jason Daniel Schaaf A&P 3551738

w/o 38466

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	ARAPAHOE AERO	
	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N892AM Continental IO-550-N(50)	
С	S/N: 601276	
	01 March 2018 Flight Hobbs: Hobbs: 1758.3 Engine Log Entry Inspected #2, #4 and #6 cylinders for cracks at fuel injector port using dve penetrate no	
	Inspected #2, #4 and #6 cylinders for cracks at fuel injector port using dye penetrate, no cracks found at Nathaniel Alan Beuthel A&P 3650825	D.
	this time. Nathanicl Alan Beuthel A&P 3659835 W/0 38812	ri
Brought +		110
	ARAPAHOE AERO	
	12760 EAST CONTROL TOWER BOAD ENGLEWOOD, COLOR OF	
1	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N892AM Continental IO-550-N(50) S/N: 691376 Teach Ti	KC.
	10 July 2018 Flight Hobbs: 1586.7 Hobbs Motors, 1777	
	100 Hour Inspection for Annual completed this date using the Girmus Chooks	
	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 contaminates and the engine oil	
	and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminates 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, replaced, #1 alternator brushes, P/N: ALE 1012 A.S. N 4.11	_
	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 through a property and throttle, mixture and propeller governor controls, operational shocks and inspected and lubricated	
	throttle, mixture and propeller governor controls, operational check satisfactory. Inspected and lubricated system for component condition and security. Adjusted heat shield to prove the condition and security.	_
	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 westegate walk.	
	Adjusted left wastegate dump tube. Adjusted rigging for right wastegate valve for full travel. Complied with TAT \$108-01 (Crankcase Breather Discharge Tube) by all and the complications of the complete with TAT \$108-01 (Crankcase Breather Discharge Tube) by all and the complete with the complete wastegate with the complete with the complete wastegate wastegate with the complete wastegate wastegate with the complete wastegate wastega	
		_
	and removing coking deposits as outlined in Service Instruction. Next inspection due at Flight Hobbs:	_
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	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:	_
	1 1000.7. Complied with IAI Shuy-III (Exhalist Manifold Crooks) by increasing	
	I will all the state of the sta	
	1 Complied with IAI SDIV-VI (Allernate Air Hoor Hings Din) by inspecting 1.	_
	I am add to clacks, loose livels dillively dillively bin refention methods as Jef-	_
,	1 and only 2017. Complied with I A I SHI-III (Exhaust Ship loint Inspection) best	
	stem sup joints per mistraction for indications of hinding distortion or demand	
	I compositioned. No ucleus moleculary inspection due luly 2010 en VIII et a	_
	1 - F - C - C - C - C - C - C - C - C - C	
	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	
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	o o mispecting the fuel billio mixing control chaff for that lead-	
	I map betton due l'inglit 110005, 1050, / Or next oil change All's checked through Diments account	
	I THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INCORPORTED	
	DETERMINED TO BE IN AN AIRWORTHY CONDITION.	
	L. John Wells A&P 3221132 w/o 39189	
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	ARAPAHOE AERO	
	12700 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 20110, (202)	
-	N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry	
	1 05 July 2019 Rhight Hobber 1630 %	
	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 and	
	officer and reak check good.	
ſ	L. John Wells A&P 3221132 w/o 40257	

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12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(50) S/N: 691376 Total Time: 1651.9 N892AM 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. Inspection 1 61.1. (Classification of the Compression test: #1) 65/80, #2) 65/80, #3) 68/80, #4) 67/80, #5) 70/80, #6) 65/80. Changed engine oil Compression (Shell 15W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and filter using (Shell 15W-50) total and retained and ret and filter using Cleaned, gapped, tested, and rotated spark plugs. Installed new #3 and #6 top spark plugs, and sublitudes. Checked timing of magnetos to engine. Installed new magneto pressurization filter P/N: P/N: Oktibase 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 new gaseolated 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 S108-05 (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

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

N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry
November 2019 Flight Hobbs: 1695.8 Hobbs Meter: 1886.8

19 November 2019 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 contaminates changed engine on and inter-damp control and injection 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 S108-01 (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

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(50) S/N: 691376 Total Time: 1716.7 **N892AM** Continental Hobbs Meter: 1907.6 28 August 2020 Flight Hobbs: 1716.7 100 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) 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 contaminates 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.

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Randy C. Johnson A&P 3123186

w/o 41496

	ARAPAHOE AERO	
	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8384	
	N892AM Continental 10-550-N (50) S/N: 691376 Engine Log Entry	′ I—
Da	of November 2020 Figur Hobbs: 1/59.1 Hobbs Meter: 1959.0	
	Installed crankcase pressure gauge in reference to Continental SB M89-9. Completed ground runs.	3
	Found to be indicating 90 MPH at 2200 RPM and 21.9 MAP. At full power, 2680 RPM / 31.1 MAP,] ',
Brought F	indicating was found to be 155 MPH. Test equipment removed. No further action taken at this time. Serviced oxygen system.	
Bronding	I I I W W A O D COOK	
	L. John Wells A&P 3221132 w/o 41736	
	ARAPAHOE AERO	
	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386	5
	N892AM Continental IO-550-N (50) S/N: 691376 Engine Log Entry	′ I—
	14 January 2021 Fugui Floods: 1/0/.9 Hobbs Meter: 1060 4	
	Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Cut oil filte	er
	open and inspected, no contaminates 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, WC)
	#020465. Changed engine oil and filter using (Phillips 20W50M). Installed bolt and nut in left tail pip hanger clamp. Installed clamp for right tail pipe hanger. Tightened left exhaust manifold bracket bolts.	e
	Applied KTV oil fiole iii scal flose from left intercooler to heat exchanger. Installad and i	
	7/N. 22-0130020. Rigged Wasiegale interconnect cable as needed. Installed new	
	silicia F/N, Eli-O#-20-27, Hispected Hispheros and ignition leads for condition and	
	illection system for component condition and security I ear checked final greaters I	
	ind off filles for rearrage. Hispected engine expansi evetem Inchested trule as leaves	
	collection, security and proper rigging. Inspected induction eyetem and alternated in a	200
	peration. Checked indirection and operation of throffle mixture and manuallance in the	ing
	discharge function by cleaning chalk case preatner discharge tube of coldinations.	etion
	Exhibited Widillion Clacks) by Hispecting exhalict manifolds for another and the	ner —
	oted. Next inspection due at Flight Hobbs: 1817.9 or next oil change. Post inspection engine groun- un-up, operational check and leak check good.	ınd
<u> </u>	Wayin Markey A & Daylore	
	Kevin Mosher A&P 3443784 w/o 41828	
	ADADAHOE ARDO	
	ARAPAHOE AERO	
0.00	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N892AM Continental IO-550-N (50) S/N: 601376 February Road Englewood	j
18	IO-550-N (50) S/N: 691376 Engine Log Entry	
In	January 2021 Flight Hobbs: 1769.2 Hobbs Meter: 1971.9	
cł	stalled new wire terminal pins at the #2 and #6 cylinder heat band connectors. Preheat system operate coks satisfactory.	ional
	Randy J. Knox Jr. A&P 3227973 w/o 41907	
_	AD AD AVYOR A TOTAL	
	12760 FAST CONTROL TOWER ARAPAHOE AERO	
	12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8380 N892AM Continental IO 550 N (50) S/N (01376 Fraint Law Francisco	5
<u> </u>	April 2021 Figure 10-550-N (50) S/N: 691376 Engine Log Entry	
CI	April 2021 Flight Hobbs: 1787.7 Hobbs Meter: 1997.6	
no	anged engine oil and filter using (Shell 15W50). Cut oil filter open and inspected, no contaminates ed. Oil sample taken and submitted. Ground run up and leak sheek extisfactory.	
	submitted. Ground run up and leak check satisfactory.	
	Aaron Peter Villery A&P 3224687 w/o 4	2184
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	12	760 EA	ST CON	TROL T		OAD ENGLEWOOD, COLORADO 80112 (303) 799-8386		
		1892AM		Continent	al I	O-550-N(50) S/N: 691376 Total Time: 1819.8		
Da	11 Sen	tember	2021	Flight	Hobbs:	1819.8 Hobbs Meter: 2040.7	d	
	100 H	our Insp	ection f	or Annua	al comple	tica this date asing the chirds Six22 Maintenance Manual	u	
1	Inspect	ion For	n and th	e Tornado	o Alley T	urbo, Inc, Scheduled Maintenance Check List as a guide.	S,	
Brought F	Compr	ession to	est: #1) 6	53/80, #2)	50/80,#	3) 45/80, #4) 68/80, #5) 75/80, #6) 70/80. Completed Borescope		
Diougniti	I inspection of cylinders, Lapped #2 and #3 exhaust valves as needed. Reassembled cylinders using new 1							
1	tabs and gaskets. Post repair compression test #2) 75/80 and #3) 55/80. Changed engine oil and filter using							
-	(Shell	15W-50). Cut of	il filter op	en and ir	rspected, no contaminates noted. Oil sample taken and submitted.		
	Cleaned, gapped, tested, and rotated spark plugs. Removed right magneto for 500 Hour magneto inspectio							
	Right P/N: 10-500556-101, S/N: D07HA108 Magneto was disassembled, cleaned, inspected. Installed ne							
	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:							
- 1	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 control check satisfactory. Inspected engine preheat system for component condition and security							
'	cylind	er drain	cleaned	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 at							
	gasket	s Wash	ed engir	ne with so	lvent Ar	onlied RTV to right bottom heat exchanger soot tubing. Bendered		
	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.							
	Comp	lied with	TATS	3108-01	Crankca	se 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 S108-04 (Cabin Heat Augmenter /Tailpipe Cracking)							
0	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 S108-05 (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 Continental S/N: 691376 **Engine Log Entry** N892AM Flight Hobbs: 1866.5 Hobbs Meter: 2100.4 26 March 2022 26 March 2022 Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine Completed So Hold (Shell 15W50). Cut oil filter open and inspected, no contaminates noted. Oil sample oil and Hambuilted. Installed #2 EGT probe P/N: 16579-002 and cleaned #6 EGT. oil and filter using control heat shrink. Inspected magnetos, ignition harness and lead of EGT connector. Installed new taken and support rod heat shrink. Inspected magnetos, ignition harness and leads for condition and Brought F left turbo supported injection system for leakage and component condition and security. Inspected induction system and alternate air door for security. Leak checked security. Inspected induction system and alternate air door for security and operation. Inspected engine fuel system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller exhaust system, in the 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: 1916.5 or next oil change. deposits per Sold Heat of 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 Bryan Bodianac A&P 4151726 leak check good. w/o 43195 ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N (50) Continental 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 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) 395 Airport Drive 1. Performed a 100hr inspection of engine for annual of N892AM in accordance with FAR 43 appendix D and in reference to Cirrus SR22 AMM Chapter 05-20, Continental Motors Standard practices manual M-O and Tornado Alley Turbo instructions for Complied with Tornado Alley, S108-05 induction filter cleaning, S108-04 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 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 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. Runup/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 AP2860279IA