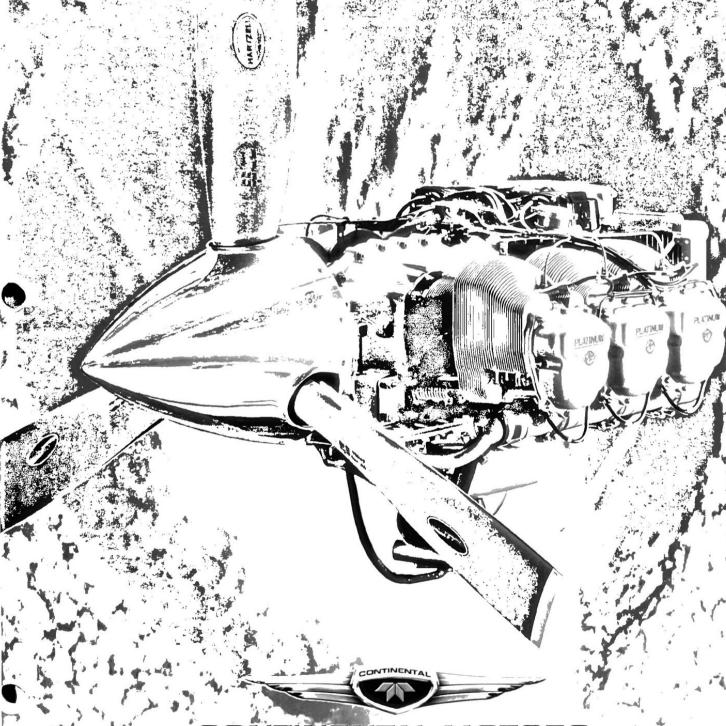


# ENGINE LOGIBOOK



CONTINENTAL MOTORS

#### Service Information

You can now subscribe to TCMLINK® Aviator Services through our web site at www.tcmlink.com. This free program provides Service Bulletins and Technical information. Service Bulletins and Technical Publications are also available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 888-826-5465, publications department, for information.

#### Engine Returns

All engines returned for core credit are to be shipped with this log book directly to:

Teledyne Continental Motors 2039 Broad Street Mobile Alabama 36615

All engines returned for overhaul are to be shipped with this log book directly to:

Teledyne Mattituck Services 410 Airway Drive Mattituck NY 11952

# PLATINUM ENGINE LOG BOOK



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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

**Production Certificate 508** 

Printed: Test Date: 10/21/2009 10/20/2009

This engine model 10550N61B , serial number 1001217 was manufactured 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.

#### Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

#### **Engine Returns**

All returned engines are to be shipped with this log book Directly to:

> **Engine Return Department** 2039 Broad Street Mobile, AL 36615

Last Overhaul Hrs. Min. Hrs. N628TL Continental 12 February 2010 Continental 19 March 2010 Flight Hobbs: 40.7 and leakage check satisfactory N628TL Continental 13 April 2010 Flight Hobbs: 59.3 Continental 5 May 2010 Flight Hobbs: 62.3

**Total Time** 

Date

Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

w/o 28949

w/o 29075

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 Engine Log Entry

Flight Hobbs: 26.2 Hobbs Meter: 33.0

Time Since

Completed 25 Hour Inspection this date using the TCM ICA and the Cirrus AMM Inspection Items as a guide. Compression test: #1) 75/80, #2) 75/80, #3) 75/80, #4) 75/80, #5) 75/80, #6) 75/80. Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Inspected magneto security and condition of ignition leads. Cleaned and resealed fuel injection nozzles. Leak checked fuel system. Inspected cooling fins, baffles and seals. Checked oil lines for security. Visually inspected engine for oil leakage. Inspected oil cooler fins for obstructions and condition. Inspected induction and alternate air system. Inspected and induction air filter. Inspected and lubricated throttle, mixture and propeller controls. Inspected cylinder drains and engine case breather tube for obstructions. Inspected exhaust system for leakage, alignment, clamp security, distortion, cracks at all welded joints, and pressure tested exhaust system. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Complied with Continental Motors SID97-3E (Fuel Injection Systems) by checking low end fuel pressure, idle mixture and idle speed, and checking maximum fuel flow as was outlined in (SID). All pressures and flows found to be within limits, no further action required. Post maintenance 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(61)B S/N: 1001217 **Engine Log Entry** Hobbs Meter: 52.8

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational

L. John Wells A&P 3221132

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 

Hobbs Meter: 75.1

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Checked oil lines for security. Inspected magneto security and ignition leads. Inspected induction and alternate air system. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Inspected engine compartment installation hardware for security. 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 satisfactory.

L. John Wells A&P 3221132 w/o 29158

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 **Engine Log Entry** Hobbs Meter: 80.3 Adjusted engine idle mixture and check idle speed setting. Post maintenance ground run-up satisfactory.

L. John Wells A&P 3221132 w/o 29243

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 

28 September 2010 Flight Hobbs: 103.1 Hobbs Meter: 137.4

Removed #6 injector and cleaned. Reinstalled using new seals. Post maintenance engine ground run-up, operational and leakage check satisfactory. Y 1/1 cull w/o 29784

L. John Wells A&P 3221132

Date	Tota	l Time		Since Verhaul	Engine Service and Maintenance Installations, Inspections, Airworthiness Directives, Spec	e Record
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins	iai irispections,
rought Forward		-				
— Tought Tormard				AR	APAHOE AERO	
	OFAST	CONTR	OL TOW	VER ROA	AD ENGLEWOOD, COLORADO 80112 (303) 799-8386	
123720	28TL		nental	10-5	50-N(61)B S/N: 1001217 Engine Log Entry	
4 August	2010	Fligh	t Hobbs:	85.5	Hobbs Meter: 111.7	
Changed	engine oil	and filt	er (Exxo	n Elite 2	0W-50). Cut oil filter open and inspected, no ferrous	
_ contamin	ates noted	l. Oil sa	mple tak	en and su	ibmitted. Cleaned, gapped, tested and rotated spark plugs.	
Post main	tenance e	engine gr	round rur	n-up, ope	rational and leakage check satisfactory.	
- 1	flice	ull			L. John Wells A&P 3221132 w/o 2956	5
	•			-	T. D. WORLEDO	
_				A	RAPAHOE AERO	
763					OAD ENGLEWOOD, COLORADO 80112 (303) 799-838 -550-N(61)B S/N: 1001217 Engine Log Entr	
227	628TL		tinental	Hobbs:		y
Comple	tember 20	uiu Iour Ins			using Cirrus 50 Hour Inspection items as a guide. Changed	
engine	oil and fil	ter (Exx	on Elite	20W-50	). Cut oil filter open and inspected, no contaminates noted.	
Checke	d oil lines	for sec	urity. Ins	pected m	agneto security and ignition leads. Inspected induction and	
alternat	e air syste	em. Insp	ected cyl	linder dra	ins and engine case breather tube for obstructions. Inspector	ed
					nspected engine compartment installation hardware for sec	
					tle, mixture and propeller controls. Inspected and wiped do	wn
	cowling.			ngine gro	ound run-up, operational and leakage check satisfactory.  L. John Wells A&P 3221132 w/o 2976	
	7/21	ui			E. John Wens A&F 3221132 W/0 29/0	
				AR	RAPAHOE AERO	
- 1276	60 EAST	CONTR	OL TOV		AD ENGLEWOOD, COLORADO 80112 (303) 799-8386	
	28TL		inental		550-N(61)B S/N: 1001217 Engine Log Entry	
18 Octob				bs: 123.		
					20W-50). Cut oil filter open and inspected, no ferrous	
	ates noted ige check			ken and s	ubmitted. Post maintenance engine ground run-up, operation	onai
- and reak		WI			L. John Wells A&P 3221132 w/o 2988	
	7					
				A	ARAPAHOE AERO	
1 12	7/1 5/6	TOON			OAD ENGLEWOOD COLOPADO 80112 (303) 799-83	86
127/0 54	0.000		A	ARAPA	AHOE AERO	11 1
N628TL	ST CONT	ROL T	OWER R	ROAD EN	NGLEWOOD, COLORADO 80112 (303) 799-8386	
3 January 20	Co	ntinenta	obbs: 13	U-550-N	(61) S/N: 1001217 Total Time: 139.4	
00 Hour Insp	ection for	r Annus	obbs: 1.	39.4 etad this	Hobbs Meter: 187.7 date using the Cirrus Design SR22 Maintenance Manual	
						eak
						67
	oteu. On s	sample t	aken and	Submitte	of Cleaned commed to the total	
necked timing	of magn	etos to e	ngine. In	nspected	fuel injection lines and nozzles for leakage and security.	-
spected and a	ressure to	n. Inspe	cted #1 a	alternator	and installed new brush assembly P/N: ALE1013AS.	1386 —
r filter elemen	t. Inspec	ted and	lubricate	d the state	shed engine down using solvent. Installed new induction	Entry
B 2X-71-16 R	1 (Baffle	Chafin	g at Eng	incond	, mixture and propeller controls. Complied with Cirrus	
or additional cl	earance a	nd ineta	Ilina Vie	N = 700	(2) Afternator) by modifying left hand forward baffle	onal —
ervice Bulletin	, no furth	er action	n require	d. Check	42-001 with improved close out and surface doubler per ed torque on engine mount lower weldment bolts.	-
ontinental Al	2010-11	1-04 (Hy	draulic	Lifter R	apid Wear) effective 06-16-2010, supersedes AD 2009-	0153
ost inspection	engine s	serial nu	mber and	mainten	apid Wear) effective 06-16-2010, supersedes AD 2009- lance history. AD's checked through Biweekly 2011-02.	
HIS ENGINE	HAS D	ound ru	n-up, ope	erational	nance history. AD's checked through Biweekly 2011-02. check and leak check satisfactory. I CERTIFY THAT	-
ND WAS DE	TERMIN	VED TO	SPECTI	ED IN A	check and leak check satisfactory. I CERTIFY THAT CCORDANCE WITH A 100 HOUR INSPECTION WORTHY CONDITION.	
	w		DE IN		"OKITI CONDITION	
1				L,	John Wells A&P 3221132 w/o 30186 30101	

Date	Tota	l Time		Since verhaul	Engine Service and Maintenance Re	cord
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Insp Modifications and Service Bulletins	ections,
ought Forward		-				
N628 1 April 201 Completed engine oil a noted. Inspected c no defects r operation o inspection o	TL 11 50 Ho and filte ected m ylinder noted. In f throttl engine g	Conti Flight I ur Inspect or (Exxonology drains a drains a nspected e, mixtu	nental Hobbs: ection thin Elite 20 ecurity a nd engine engine core and pr un-up, op	VER ROA 10-5 158.9 Is date us 0W-50). Indignition e case broad compartmoneller contents	APAHOE AERO AD ENGLEWOOD, COLORADO 80112 (303) 799-8386  550-N(61)B S/N: 1001217 Engine Log Entry Hobbs Meter: 213.8  ing Cirrus 50 Hour Inspection items as a guide. Changed Cut oil filter open and inspected, no ferrous contaminates on leads. Inspected induction and alternate air system. eather tube for obstructions. Inspected engine exhaust system, nent installation hardware for security. Checked lubrication and ontrols. Inspected and wiped down engine cowling. Post I and leakage check satisfactory.  L. John Wells A&P 3221132 w/o 30426	
N628T  5 July 2011 Changed eng	L FI ine oil a noted. check sa	Contine light Ho and filter Oil sam atisfactor	ental bbs: 186 (Exxon ple taker	IO-556 6.4 Elite 20	APAHOE AERO D ENGLEWOOD, COLORADO 80112 (303) 799-8386 0-N(61)B S/N: 1001217 Engine Log Entry Hobbs Meter: 248.6 W-50). Cut oil filter open and inspected, no ferrous mitted. Post maintenance engine ground run-up, operational L John Wells A&P 3221132 w/o 30752	
	7					
9 August 201 Completed 56 valve rocker c filter using (E taken and subi fuel injection for leakage. I cylinder drain noted. Check compartment	D Hour over ga xxon E mitted. system nspecte s and en ed lubri	Contine Flight H Inspecti skets P/I lite 20W Inspecte for leakad d induct ngine cast ication action hard	ntal lobbs: 2 ion this d N: 65570 /-50). Cu d magnet age and c ion system se breathend operate lware for	R ROAD 10-550 00.9 date using 5 on cyli t oil filte tos, igniti omponer m and alt er tube fo tion of th security.	PAHOE AERO  ENGLEWOOD, COLORADO 80112 (303) 799-8386  D-N(61) S/N: 1001217 Total Time: 139.4 Hobbs Meter: 267.3 g Cirrus 50 Hour Inspection items as a guide. Installed new onders #1), #2), #3), #4), and #6). Changed engine oil and ropen and inspected, no contaminates noted. Oil sample ion harness and leads for condition and security. Inspected engine case and oil lines ternate air door for security and operation. Inspected or obstructions. Inspected engine exhaust system, no defects rottle, mixture and propeller controls. Inspected engine Inspected and wiped down engine cowling. Post and leakage check good.  Greg Sickafoose A&P 3443687 w/o 30923	
N628 3 October Changed e contaminat and leakag	3TL 2011 ngine o tes note e check	Cont Flig il and fil d. Oil sa	inental the Hobb ter (Exxe ample tak tory	VER RO. 10-5 s: 217.0 on Elite 2	APAHOE AERO AD ENGLEWOOD, COLORADO 80112 (303) 799-8386 550-N(61)B S/N: 1001217 Engine Log Entry Hobbs Meter: 289.2 20W-50). Cut oil filter open and inspected, no ferrous ubmitted. Post maintenance engine ground run-up, operational  L. John Wells A&P 3221132 w/o 31139	

Date	Total	Time	Time Last Ov	Since verhaul	Engine Service and Installations, Inspections, Airworthine	Maintenance Recor	rd		Date	Total	Time		e Since Overhaul	Engine Service and Mainten	ance Record
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins		ons,			Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directive Modifications and Service Bulletins	s, Special Inspections
ought Forward		<b>→</b>						Brough	nt Forward		<b>→</b>			Wodincatoris and Service Bulletins	
12764 August 2 Changed e contamina Post maint Post maint  127 N6 17 Septe Completengine of Checked alternate engine er Checked engine contamina  1276 N62 18 Octobe Changed e contamina	STL 2010 ngine oil a es noted. ngine oil a es noted. ngine oil a es noted. Natural 2016 ed 50 Ho land filte oil lines fair system chaust system coil a es noted.	Contine Flight I and filter Oil sam gine group  CONTR Conti 0 I aur Inspec tem, no en and op est inspec CONTRO Contine Fligh and filter Oil sam	OL TOV nental Flight Hection the Elite 2 dity. Inspected cylindefects in electron entition entito enti	ER ROA  IO-5: 85.5 a Elite 20 an and su -up, oper  Al WER ROA  IO-6 Hobbs: 1 his date u 20W-50) bected ma noted. In of thrott gine grou  AR  IC-5: ss: 123.7 an Elite 2	Hobbs Meter: 111.7  DW-50). Cut oil filter open and inspect britted. Cleaned, gapped, tested and ational and leakage check satisfactoryL. John Wells A&P 3221  RAPAHOE AERO  DAD ENGLEWOOD, COLORADO 8  550-N(61)B S/N: 1001217  01.4 Hobbs Meter: 134.3  Ising Cirrus 50 Hour Inspection items. Cut oil filter open and inspected, no agneto security and ignition leads. Inspection items and engine case breather tube for o spected engine compartment installatile, mixture and propeller controls. Inspect of the properties of the proper	eted, no ferrous rotated spark plugs.  132 w/o 29565  0112 (303) 799-8386 Engine Log Entry as a guide. Changed contaminates noted. pected induction and bestructions. Inspected on hardware for security. pected and wiped down neck satisfactory. 132 w/o 29762  112 (303) 799-8386 Engine Log Entry cted, no ferrous			12760 Inspection of defects operation of inspection N6281 S July 2011 Changed engant leakage 12760 E N628T August 201	and filter	Contine  Contine	L TOWE	WER RO. 10-5 158.9 his date us 20W-50). and igniti ne case br compartn propeller copperationa  ARA (ER ROA 10-55 36.4 n Elite 20 en and sub	APAHOE AERO D ENGLEWOOD, COLORADO 80112 (303) 799 0-N(61)B S/N: 1001217 Engine Log E Hobbs Meter: 248.6 W-50). Cut oil filter open and inspected, no ferrou mitted. Post maintenance engine ground run-up, o L. John Wells A&P 3221132 w/o PAHOE AERO D-N(61) S/N: 1001217 Total Time: 13 Hobbs Meter: 267.3	Entry anged aninates im. ust system, irication and Post 30426  -8386 entry s perational 30752
and leakag	50 EAST 28TL per 2010 termittent mall soft te	CONTR Conti	OL TO' nental Flight I GT readi	A: WER RO IO- Hobbs: ings, rem	L. John Wells A&P 3221  RAPAHOE AERO DAD ENGLEWOOD, COLORADO 8 550-N(61)B S/N: 1001217	0112 (303) 799-8386 Engine Log Entry 59.8 Inspected and found ushed all engine fuel 01. Operational and leak		v f f ts f f f c c r c c	alve rocker of the state of the	Exxon El emitted. I system f Inspected as and en ked lubric installat	skets P/N lite 20W Inspected for leakad d inducting ine cast cation ard	N: 6557 7-50). C d magn age and ion syst se breat and oper	05 on cylication of the component of the	g Cirrus 50 Hour Inspection items as a guide. Instal inders #1), #2), #3), #4), and #6). Changed engine or open and inspected, no contaminates noted. Oil so ion harness and leads for condition and security. In the condition and security. Inspected engine case and ternate air door for security and operation. Inspected or obstructions. Inspected engine exhaust system, no trottle, mixture and propeller controls. Inspected eng. Inspected and wiped down engine cowling. Post and leakage check good.  Greg Sickafoose A&P 3443687 w/o 3	oil and ample spected doil lines ed ool defects gine
N62 6 Jan Clean	2760 EAS 8TL pary 2011	T CONT Cont Fonnector	inental light Hors at the	OWER	ARAPAHOE AERO ROAD; ENGLEWOOD, COLORADO 0-550-N(61)B S/N: 1001212	O 80112 (303) 799-8386 Engine Log Entry se ground run operational			3 October Changed contamina and leaka	8TL r 2011 engine of ites notes	Conti Flig il and file d. Oil sa satisfac	ht Hob ter (Example to	WER RO 10- bs: 217.0 xon Elite	RAPAHOE AERO  AD ENGLEWOOD, COLORADO 80112 (303) 75 550-N(61)B S/N: 1001217 Engine Log Hobbs Meter: 289.2 20W-50). Cut oil filter open and inspected, no ferro ubmitted. Post maintenance engine ground run-up,  L. John Wells A&P 3221132 w/	Entry
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Engine Service and Maintenance Record Time Since **Total Time** Date Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections. Hrs. Modifications and Service Bulletins Min. Brought Forward

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) S/N: 1001217 Total Time: 233.8 Continental N628TL Hobbs Meter: 318.2 Flight Hobbs: 233.8

7 February 2012 100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 78/80, #2) 72/80, #3) 77/80, #4) 76/80, #5) 75/80. #6) 77/80. Checked torque on all valve rocker cover screws. Changed engine oil and filter using (Exxon 20W-50 Elite). 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. Inspected fuel injection lines and nozzles for leakage and security. Leak checked fuel system. Cleaned, applied sealant and reinstalled oil cooler brass plug adjacent to pressure transducer. Inspected #1 alternator and installed new brush set P/N: ALE1013AS. Washed engine down using solvent. Installed and adjusted new left and right exhaust tail pipe springs P/N: LE-093G-ISS using new safeties. Inspected and pressure tested exhaust system. Installed new induction air filter element. Inspected and lubricated throttle, mixture and propeller controls. 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 part number, no further action required. AD's checked through Biweekly 2012-02. Post inspection engine ground run-up, operational check and leak check good. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Greg Sickafoose A&P 3443687

w/o 31520, 31521

#### ARAPAHOE AERO

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

Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 1 May 2012 Flight Hobbs: 260.1 Hobbs Meter: 352.9

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational

and leakage check satisfactory. L. John Wells A&P 3221132

w/o 31846

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61) S/N: 1001217 Total Time: 278.9

2 June 2012 Flight Hobbs: 278.9 Hobbs Meter: 374.8

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up operational and leakage check good.

XHILLE L. John Wells A&P 3221132

w/o 31971

#### ARAPAHOE AERO

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

Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 2 August 2012

Flight Hobbs: 299.7 Hobbs Meter: 402.9

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory

L. John Wells A&P 3221132

w/o 32207

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

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 16 August 2012 Flight Hobbs: 305.7 Hobbs Meter: 410.4

Cleaned and resealed injectors. Removed and inspected spark plugs - checked gap and tested - no defects noted. Reinstalled using new gaskets. Ground run operational and leak check satisfactory.

2 Will L. John Wells A&P 322Tf32 w/o 32266

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 

29 August 2012 Flight Hobbs: 307.5 Hobbs Meter: 413.4

Installed new Tempest spark plugs (P/N: URHB32S). Resealed fuel strainer. Completed 500 hour magneto inspection on both magnetos. Removed left and right for 500 hour inspection. Cleaned and inspected magnetos and installed new breaker points P/N: 10-382584, distributor block felt strips and washers, distributor gear snap rings, carbon brushes, and rotor seals. Cleaned, inspected and repacked magneto rotor bearings and assembled magnetos, set internal timing and tightened assembly hardware. Ground run operational and leak check satisfactory. Maffell

L. John Wells A&P 3221132

w/o 32294

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Total Time: 320.8

26 September 2012 Flight Hobbs: 320.8 Hobbs Meter: 431.5

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, small amount of aluminum flakes noted. Borescoped cylinders - no defects noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

Randy J. Knox Jr A&P 3227973

w/o 32416

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Total Time: 321.8

28 September 2012 Flight Hobbs: 321.8 Hobbs Meter: 432.9

Due to aluminum flakes found in oil filter at Flight Hobbs: 320.8, cut oil filter open and inspected - 2 very small slivers of non-ferrous metal noted. Post inspection engine ground run-up, operational and leakage

Greg Sickafoose 3443687

w/o 32421

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental 1O-550-N(61)B S/N: 1001217 Engine Log Entry

8 November 2012 Flight Hobbs: 328.7 Hobbs Meter: 444.9

Cut oil filter open and inspected, no contaminates of any type noted. Checked magneto to engine time. Found to be at 22 degrees TDC. Operational and leak check satisfactory. Duceec (

L. John Wells A&P 3221132

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record				
	Hrs.	Min.	Hrs. Min.		Modifications and Service Bulletins				
Brought Forward		<b>→</b>							
12760 N628	TL	Conti	nental	VER ROA	APAHOE AERO AD ENGLEWOOD, COLORADO 80112 (303) 799-8386 50-N(61)B S/N: 1001217 Engine Log Entry 7.8 Hobbs Meter: 455.5				

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory. w/o 32610

David A. Danner A&P 2828262 Abur ( Camer

#### ARAPAHOE AERO

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

Total Time: 344.4 S/N: 1001217 Continental IO-550-N(61) Hobbs Meter: 467.2 Flight Hobbs: 344.4

15 January 2013 Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter as provided by owner. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Installed new #1 alternator brushes P/N: ALE1013AS. Inspected fuel injection system for leakage and component condition and security. Completed operational checks on fuel pump. No defects noted. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

Aller odl

L. John Wells A&P 3221132

w/o 32749

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Total Time: 364.8

4 February 2013 Flight Hobbs: 364.8 Hobbs Meter: 491.0

100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 73/80, #2) 74/80, #3) 74/80, #4) 75/80, #5) 74/80, #6) 77/80. Changed engine oil and filter using (Exxon 20W-50 Elite). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine and adjusted left magneto to engine timing using digital inclinometer. Inspected fuel injection lines and nozzles for leakage and security. Leak checked fuel system. Adjusted #2 alternator belt tension, torqued installation hardware and installed new safety. Inspected and pressure tested exhaust system. Installed new induction air filter element. Inspected and lubricated throttle, mixture and propeller controls. Complied with Continental SID97-3E (Fuel Injection Systems) by checking low end fuel pressure, idle mixture and idle speed, and high end fuel flow as was outlined in (SID), all pressures and flows within limits. 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 by installed starter adapter part number, no further action required. Superior Air Parts AD 2012-03-06 (AFS) Fuel Servo Diaphragm) effective 02-24-2012, supersedes AD 2011-15-10, does not apply by installed fuel system component design, no further action required. AD's checked through Biweekly 2013-02. 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 322113

32	W/o	32798	

	Total	Time		verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
rward		-			

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 Engine Log Entry Continental Flight Hobbs: 380.4 Hobbs Meter: 513.7 22 March 2013 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous

contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory.

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**Brought For** 

Dave A. Danner A&P 2828262

Time Since | Fraging Complete and Maintenance Page

w/o 32972

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 **Engine Log Entry** 30 April 2013 Flight Hobbs: 404.9 Hobbs Meter: 543.6 Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Removed starter adapter P/N:642083-1A1, and installed new starter adapter P/N:642083A12-E with new gasket and O-ring. Inspected fuel injection system for leakage and component

condition and security. Inspected engine case and oil lines for leakage. Replaced oil gauge rod cap seal, P/N: 642892. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check satisfactory.

of Quelle

L. John Wells A&P 3221132

w/o 33070

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 

Flight Hobbs: 424.7 Hobbs Meter: 568.7

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory. Alberto Pizzato A&P 2522916

w/o 33205

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Total Time: 441.4 N628TL IO-550-N(61) S/N: 1001217 Continental 19 July 2013 Flight Hobbs: 441.4 Hobbs Meter: 592.1

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter as provided by owner. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Completed operational checks on fuel pump. No defects noted. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

Nathaniel Alan Beuthel A&P 3659835 w/ w/o 33356

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins
ght Forward		-			
N628 16 August Changed e contaminat 400352, S/	TL 2013 ngine oil es noted. N: D13H -up/yeer	Conti Flig and fil Oil sa A008F	nental ht Hobb ter (Exxo imple tak t and D1	VER ROA IO-5 os: 455.3 on Elite 2 ken and su 3HA009F	APAHOE AERO AD ENGLEWOOD, COLORADO 80112 (303) 799-8386 (50-N(61)B S/N: 1001217 Engine Log Entry Hobbs Meter: 609.2 (20W-50). Cut oil filter open and inspected, no ferrous abmitted. Installed overhauled/exchange magnetos (P/N: BL-R) and harness with new gaskets. Post maintenance engine k satisfactory.  Jeremy D. Trussell A&P 610051913 w/o 33454
N62 29 August Removed, to 22 degr	2013 cleaned.	Cont	inental ght Hobl d, tested,	WER RO IO-: bs: 467.5 rotated a	AAPAHOE AERO AD ENGLEWOOD, COLORADO 80112 (303) 799-8386 550-N(61)B S/N: 1001217 Engine Log Entry 6 Hobbs Meter: 624.3 Ind torqued spark plugs. Adjusted left and right magneto timing gine ground run-up, operational and leak check satisfactory.  Dave A. Danner A&P 2828262 w/o 33510
N6 10 Septe Installed disassem	28TL mber 20 new vap bled. No	Cor 13 or towe	Flight er gasket minates nal and le	Hobbs: (P/N: 65 noted. Cl	OAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  0-550-N(61)B S/N: 1001217 Engine Log Entry  469.4 Hobbs Meter: 628.0  2090) on engine fuel pump. Removed flow divider and leaned and resealed fuel injectors. Post maintenance engine satisfactory.
20 Sep Chang contain and-lea	628TL tember 2	2013 coil anoted. Cock sati	ontinen Fligh d filter (l bil sampl sfactory.	TOWER tal I ht Hobbs Exxon El e taken ar	ARAPAHCE AERO ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 [O-550-N(61)B S/N: 1001217 Engine Log Entry : 470.6 Hobbs Meter: 630.5 ite 20W-50). Cut oii filter open and inspected, no ferrous and submitted. Post maintenance engine ground run-up, operational
7 Octo Comple engine of contami Inspecte for leak noted. I security engine of	ted 50 H bil and fil nates not d magne age and conspected and oper exhaust sy	lour Inter using ed. Instead of the component of the comp	Flight House to the condition has been condition case and	TOWER I al I bbbs: 480 this date on Elite 2 ew oil filt mess and lition and d oil lines d cylinde ts noted. gine compection en	ARAPAHOE AERO  ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  O-550-N(61) S/N: 1001217 Total Time: 480.2  0.2 Hobbs Meter: 642.0  E using Cirrus 50 Hour Inspection items as a guide. Changed 0W-50). Cut oil filter open and inspected, no ferrous er as provided by owner. Oil sample taken and submitted.  Leads for condition and security. Inspected fuel injection system security. Completed operational checks on fuel pump. No defects for leakage. Inspected induction system and alternate air door for r drains and engine case breather tube for obstructions. Inspected Checked lubrication and operation of throttle, mixture and partment installation hardware for security. Inspected and wiped gine ground run-up, operational and leakage check good.

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

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 Engine Log Entry N628TL Continental 7 November 2013 Flight Hobbs: 493.5 Hobbs Meter: 695.3

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory.

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Alberto Pizzato A&P 2522916 w/o 33776

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Total Time: 506.3 6 December 2013 Flight Hobbs: 506.3 Hobbs Meter: 676.5

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter as provided by owner. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Completed operational checks on fuel pump. No defects noted. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good. Jan Aun

Alberto Pizzato A&P 2522916 w/o 33861

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 17 December 2013 Flight Hobbs: 515.4 Hobbs Meter: 687.1 Installed new starter (P/N: C24ST5, S/N: 4C5-471308). Post maintenance operational check satisfactory. Randy J. Knox, Jr. A&P 3227973 w/o 33896

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry 17 January 2014 Flight Hobbs: 694.9 Hobbs Meter: 519.7

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory.

L. John Wells A&P 3221132 w/o 33982

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61) S/N: 1001217 Total Time: 588.0 Flight Hobbs: 588.0 Hobbs Meter: 783.3

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter as provided by owner. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Adjusted timing on left and right magnetos to 22 degrees BTDC. Inspected fuel injection system for leakage and component condition and security. Completed operational checks on fuel pump. No defects noted. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine groundrun-up, operational and leakage check good.

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Dave A. Danner A&P 2828262

w/o 34356

Date	Total	Time	1000	Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
rought Forward		-			

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Total Time: 588.0 IO-550-N(61) S/N: 1001217 Continental Hobbs Meter: 783.3 6 June 2014 Flight Hobbs: 588.0

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter as provided by owner. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Adjusted timing on left and right magnetos to 22 degrees BTDC. Inspected fuel injection system for leakage and component condition and security. Completed operational checks on fuel pump. No defects noted. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and

engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

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#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B Continental S/N: 1001217 Engine Log Entry 12 July 2014 Flight Hobbs: 569.1 Hobbs Meter: 761.2

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Tightened fuel lines on co-pilot's side at firewall. Post maintenance engine ground run-up, operational and leakage check satisfactory. Grand Slut w/o 34561

Jason Daniel Schaaf A&P 3551738

Dave A. Danner A&P 2828262

w/o 34431

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Total Time: 619.3 18 August 2014 Flight Hobbs: 619.3

Hobbs Meter: 823.8 Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter as provided by owner. Oil sample taken and submitted, Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Completed operational checks on fuel pump. No defects noted. Inspected engine case and oil lines for leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller controls. Inspected engine compartment invallation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

Jeremy D. Trussel

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 18 September 2014 Flight Hobbs: 632.7 Hobbs Meter: 841.8 Changed engine oil and filter (Exxon Elite 20W50). Oil sample taken and submitted. Cut oil filter open

and inspected for foreign material - none found. Engine run up and leak check satisfactory.

Simon Rubino A&P 2670700 w/o 34826

Jeremy D. Trussell A&P 610051913 w/o 34574

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Engine Service and Maintenance Record

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

Brought Forward

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry

Flight Hobbs: 636.9 Hobbs Meter: 849.0 8 October 2014

Hrs.

Min.

Installed repaired heat exchanger P/N: 14837-001, repaired by Heliarc Welding Service, CRS # VX3R935L, W/O #15647, dated 10-06-2014. Post maintenance engine ground run-up and operational

check satisfactory

Thomas Edward Green A&P 3445718

w/o 34881

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61) S/N: 1001217 **Engine Log Entry** N628TL

Hobbs Meter: 857.5 Flight Hobbs: 641.7

25 November 2014 Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Drained engine oil and flushed oil sump using solvent. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected engine case leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good. Randy Johnson A&P 3123186

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

S/N: 1001217 Engine Log Entry IO-550-N(61)B Continental N628TL

Flight Hobbs: 653.1 Hobbs Meter: 872.5 17 December 2014

Inspected and tightened alternator belt. Post maintenance engine ground run-up satisfactory.

Alberto Pizzato A&P 2522916 w/o 35130 So Ares

ARAPAHOE AERO

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

S/N: 1001217 IO-550-N(61)B N628TL Continental

Flight Hobbs: 654.2 Hobbs Meter: 874.6 7 January 2015

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational

and leakage check satisfactory. Norther to Bert

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Nathaniel Alan Beuthel A&P 3659835

w/o 35194

ARAPAHOE AERO

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

N628TL Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry

3 April 2015 Flight Hobbs: 674.1 Hobbs Meter: 905.1

Installed rebuilt starter (P/N: C24ST5, S/N: 4C5-471308). Starter rebuilt by Sky-Tec Partners, Ltd., CRS# PQ0852SW, Work Order 15031905 dated 24 Mar 2015. Post maintenance engine ground run-up and operational check satisfactory.

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L. John Wells A&P 3221132 w/o 35466

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

ARAPAHOE AERO

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

Continental IO-550-N(61) S/N: 1001217 Total Time: 672.4

Flight Hobbs: 672.4 23 March 2015 Hobbs Meter: 901.7 100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 74/80, #2) 74/80, #3) 72/80, #4) 68/80, #5) 73/80, #6) 74/80. Changed engine oil and filter using (Exxon Elite 20W-50) and owner supplied oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Inspected ignition harness and leads for condition and security. Inspected fuel injection lines and nozzles for leakage and security. Leak checked fuel system. Inspected cooling baffles and seals for condition and security. Cleaned and inspected both oil pressure sending unit connector plug sockets and pins and reassembled units using Stabilant 22. Inspected #1 and #2 alternators for condition and security. Inspected slip rings and installed new #1 alternator brushes P/N: ALE1013AS. Inspected slip rings, installed new #2 alternator bushes P/N: ALE2013AS and cleaned contacts. Reinstalled #2 alternator, adjusted belt tension and torqued installation hardware. Inspected and pressure tested exhaust system. Installed new induction air filter element. Inspected and lubricated throttle, mixture and propeller governor controls, operational check good. Continental AD 2014-05-29 (Superior Air Parts Cylinder Head Separation) effective 04-25-2014, does not apply, only TCM factory original cylinders are installed, no further action required. AD's checked through Biweekly 2015-06. 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. Vaul Landall A&P 3081341 w/o 35415

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Engine Log Entry 14 May 2015 Flight Hobbs: 686.3 Hobbs Meter: 921.4

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Drained engine oil and flushed oil sump using solvent. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected engine case leakage. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Repositioned engine hoist eyelet to prevent chafing on forward baffle. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

L. John Wells 4&P 3221132

ARAPAHOE AERO

**Engine Log Entry** 

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 Continental

31 July 2015 Flight Hobbs: 703.9 Hobbs Meter: 945.5

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory

Jason Daniel Schaaf A&P 3551738 w/o 35846

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	12760 EAST C	NTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386											
_	N628TL	Continental											
	15 October 2015	Compaining this date using (	ruiging this date using Cirrus 50 Hour Inspection items as a guide. Drained engine										
	. 10 1-1-1-1	wing solvent. Serviced enoine using (Exxon Elife 20 W-50). Installed and											
	C .' 1	ad all filter. Cut all filter open and inspected, no ferrous contaminates noted.											
_	O'lle teleen on	d cubmitted Inspected magr	abmitted. Inspected magnetos, ignition harness and leads for condition and security, system for leakage and component condition and security. Leak checked fuel										
-1	Inspected fuel inject	ion system for leakage and c	component condition and se	operation. Inspected cylinder									
	system. Inspected i	nduction system and alternate	ions Inspected engine exh	aust system, no defects noted.	_								
	Cheeked lubrication	and operation of throttle m	ixture and propeller govern	or controls. Inspected engine									
	outmont install	ation hardware for security	Resealed rocker cover gask	cets: #4 exhaust, #2 exhaust, #	1								
	exhaust #3 intake &	k exhaust and #5 exhaust. In	spected and wiped down er	ngine cowling. Post inspection									
	engine ground run-	ip, operational and leakage c	heck good.										
	1/1	1/2	Randy J. Knox, Jr. A	&P 3227973 w/o 36111									
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		ARA	PAHOE AERO	A DO 90112 (202) 700 9294									
			) ENGLEWOOD, COLOR 0-N(61)B S/N: 10012	ADO 80112 (303) 799-8386 17 Engine Log Entry									
	N628TL 5 November 2015	001111111111111111111111111111111111111			_								
	Channel anning o	il and filter (Evvon Flite 20)	and filter (Exxon Flite 20W-50). Cut oil filter open and inspected, no ferrous										
	contaminates note	d. Oil sample taken and sub-	Oil sample taken and submitted. Post maintenance engine ground run-up, operational										
	and leakage check	satisfactory											
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	12760 EAST	ONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386											
	N628TL	Continental IO-55	0-N(61) S/N: 100121	Engine Log Entry									
	05 January 2016	Flight Hobbs: 0749.0	Cirrus 50 Hour Inspection	items as a guide. Serviced engine	ne								
	The Course Plan	a 2011/ EO\ Installed and sat	fetied owner provided oil III	ter. Cut on miter open and	1								
	_ · · · · · · · · · · · · · · · · · · ·	or a sentencington noted Oil s	ample taken and slinmilled.	Ilispected magnetos, ignition									
	harness and leads	for condition and security. In	or condition and security. Inspected fuel injection system for leakage and component										
	dising and some	rity. Leak checked fuel induction system and alternate air door for security and operation. Inspected cylinder induction system and alternate air door for security and operation.											
	denine and engine	case breather tube for obstru	ctions. Inspected engine ex	haust system, no defects noted.									
	Classical Laborations	an and unaration of throttle	mixture and propeller gover	nor controls. Inspected engine									
	<ul> <li>compartment inst</li> </ul>	allation hardware for security	. Inspected and wiped down	engine cowling. Post inspecti	on								
	engine ground ru	n-up, operational and leakage	check good.  L. John Wells A										
	7 26	ue	4	16.1022.102									
			· ===lnn/n\/n	monllarie Varticlais ) from									
Apr	Coult A deat												
	g Civil Aviation thoity / County:	<sup>2</sup> AUTHOR	RIZED RELEASE CE	RTIEICATE									
	United States												
			n 8130-3, AIRWORTHINESS A	APPROVAL TAG									
. Organiz	ation Name and Address:	Pacific Oil Cooler Service	Inc. F.A.A RF3R813	L									
		1677 Curtiss Court, La Ve											
Item:	7. Description:	8. Part Number:	9. Quantity:	40.0-441									
1	OIL COOLER	10281A		10. Serial Num									
- 1			1	A04-214									
		654585											

The described work was performed in accordance with F.A.A. approved Pacific Oil Cooler Service, Inc. process specifical

applicable Airworthiness Directives work / status.

Certifies that the work specified in Blocks 11/12 was carried out in

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

Brought

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Total Time: 753.3

22 March 2016 Flight Hobbs: 753.3 Hobbs Meter: 1013.9

100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 76/80, #2) 68/80, #3) 72/80, #4) 70/80, #5) 70/80, #6) 72/80. Changed engine oil and filter using (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Inspected ignition harness and leads for condition and security. Inspected fuel injection lines and nozzles for leakage and security. Cleaned and resealed fuel injection nozzles. Next fuel injection nozzle cleaning due Hobbs Time: 1053.3. Leak checked fuel system. Inspected cooling baffles and seals for condition and security. Inspected and pressure tested exhaust system. Inspected and replaced #1 alternator brushes, P/N: ALE1013AS. Replaced TKS line support adel clamp, P/N: MS2919WDG3, at forward right side of engine. Installed overhauled / exchange oil cooler, P/N: 654585, S/N:A04-2147-782, as received from Pacific Oil Cooler Services, FAA CRS RF3R813L. Reference 8130-3 dated 08 Mar 2016, WO 111852. Installed new induction air filter element. Inspected and lubricated throttle, mixture and propeller governor controls, operational check good. AD's checked through Biweekly 2016-06. 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. L. John Wells A&P 3221132

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry

Flight Hobbs: 767.5 Hobbs Meter: 1040.1 18 July 2016

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory.

Alberto Pizzato A&P 2522916 w/o 36980

w/o 36544

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Engine Log Entry

12 August 2016 Flight Hobbs: 0783.2 Hobbs Meter: 1059.6

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Flushed oil sump with solvent. Secured oil cooler to baffle seal with RTV. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security.

Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

XLI (ell

L. John Wells A&P3221132

w/o 37069

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 30 September 2016 Flight Hobbs: 798.7 Hobbs Meter: 1081.9 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational

and leakage check satisfactory. Simon Joseph Rubino A&P 2670700

Dute	Last Overhaul				Engine Service and Maintenance Reco				
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspecti Modifications and Service Bulletins	ions,			
No os Nover Complet using (Exinspected harness a condition security engine e	nber 20 ed 50 H exon Eli l, no ferr and leads and sec and oper xhaust s	Co 16 our Ser ite 20W rous cor s for cor curity. L ration.	rinental Flight I Flight I Fricing th F-50). Institution are light in the condition are light condition.	WER RC  Hobbs: 0  Hobbs: 0  talled and securit  ked fuel  cylinder  s noted. 0  cylinder  s noted. 0	PAPAHOE AERO DAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 D-550-N(61) S/N: 1001217 Engine Log Entry 10821.9 Hobbs Meter: 1109.0 Sing Cirrus 50 Hour Inspection items as a guide. Serviced engine disafetied owner provided oil filter. Cut oil filter open and Oil sample taken and submitted. Inspected magnetos, ignition by Inspected fuel injection system for leakage and component system. Inspected induction system and alternate air door for a drains and engine case breather tube for obstructions. Inspected Checked lubrication and operation of throttle, mixture and gine compartment installation hardware for security. Inspected pection engine ground run-up, operational and leakage check  Jason Daniel Schaaf A&P 3551738 w/o 37387				
	7		- 3			·			
N628' 11 Ja Chang	FL nuary 20 ged engin ninates n akage ch	Con 017 ne oil ar noted. (	tinental Flight nd filter (	Hobbs: Exxon E le taken a	ARAPAHOE AERO ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 -550-N(61)B S/N: 1001217 Engine Log Entry 798.7 Hobbs Meter: 1081.9 lite 20W-50). Cut oil filter open and inspected, no ferrous und submitted. Post maintenance engine ground run-up, operational Randy J. Knox Jr. A&P 3227973 w/o 37587				
07 Ma Comp using ( inspect harnes conditi securit engine	N628TL rch 2011 leted 50 Exxon I led, no fe s and lea ion and s y and op exhaust ler gover ped dow	Hour S Elite 20 errous conds for conds for conds for consecurity.	Continen Flight Ho Servicing W-50). In ontamina condition Leak cho. Inspecte , no defeators. Ins	tal bbbs: 08 this date installed a ites noted and secur ecked fue cts noted. pected er g. Post in	e using Cirrus 50 Hour Inspection items as a guide. Serviced engine and safetied owner provided oil filter. Cut oil filter open and a l. Oil sample taken and submitted. Inspected magnetos, ignition rity. Inspected fuel injection system for leakage and component el system. Inspected induction system and alternate air door for er drains and engine case breather tube for obstructions. Inspected. Checked lubrication and operation of throttle, mixture and ngine compartment installation hardware for security. Inspected ispection engine ground run-up, operational and leakage check.  Cody R. Robinson A&P 3159980 w/o 37768				
N6 06 April 100 Hou Inspectic 78/80. N timing o fuel inje baffles a	28TL 2017 or Inspect on Form to oil or if magnet ction line and seals skets on	Cor Flig ction fo as a gui filter ch tos to en es and n for con #1, #2.	tinental tht Hobb r Annual de. Compange this agine. Instactes for dition and #3 and #	s: 0851.4 complet pression t inspectio pected ig r leakage d security 5 exhaus	RAPAHOE AERO DAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 L-550-N(61) S/N: 1001217 Total Time: 0851.4 4 Hobbs Meter: 1149.8 ted this date using the Cirrus Design SR22 Maintenance Manual lest: #1) 79/80, #2) 76/80, #3) 71/80, #4) 74/80, #5) 75/80, #6) on. Cleaned, gapped, tested, and rotated spark plugs. Checked inition harness and leads for condition and security. Inspected and security. Leak checked fuel system. Inspected cooling on Inspected and pressure tested exhaust system. Replaced rocker at covers and #3 and #4 intake covers. Inspected and replaced #1 alled new Brackett induction air filter element. Inspected and	i Se			

lubricated throttle, mixture and propeller governor controls, operational check good. Continental Motors

through Biweekly 2017-07. Post inspection engine ground run-up, operational check and leak check good.

Randy C. Johnson A&P 3123186

w/o 37848

AD 2016-16-12 (ECI Cylinder Assemblies) N/A by installed factory original cylinders. AD's checked

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100

HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Engine Service and Maintenance Books

Date

Total Time

Time Since

Date	Total	Time	Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs. Min.		
14.5			1		

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 Continental N628TL Engine Log Entry Flight Hobbs: 0859.2 Hobbs Meter: 1163.8 09 June 2017 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory. Carl Murski A&P 3702689 w/o 38068

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) N628TL Continental S/N: 1001217 Engine Log Entry 29 July 2017 Flight Hobbs: 0876.9

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check

#### ARAPAHOE AERO

L. John Wells A&P 3221132 w/o 38213

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry 03 November 2017 Flight Hobbs: 0890.2 Hobbs Meter: 1211.5 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage check satisfactory.

Mucell L. John Wells A&P 3221132

w/o 38489

w/o 38504

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry 15 December 2017 Flight Hobbs: 0902.5 Hobbs Meter: 1228.2 Installed new starter P/N: PM2407, S/N: H-R112504. Operational check satisfactory.

Nathaniel Alan Beuthel A&P 365983

#### ARAPAHOE AERO

Nathaniel Alan Beuthel A&P 3659835

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Engine Log Entry 12 January 2018 Flight Hobbs: 902.5 Hobbs: 1228.2 Complied with 300 Hour Continental Fuel Injection Nozzle by removing injectors, inspecting and

cleaning, no defects noted. Next service due Flight Hobbs: 1202.5. Operation and leak check satisfactory. Jan DAL

Jason Daniel Schaaf A&P 3551738 w/o 38662

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 26 January 2018 Flight Hobbs: 0906.7 Hobbs Meter: 1235.4 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Post maintenance engine ground run-up, operational and leakage

Randy J. Knox Jr. A&P 3227973

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

#### ARAPAHOE AERO

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Total Time: 0936.7 S/N: 1001217 IO-550-N(61) N628TL Continental

Hobbs Meter: 1274.7 Flight Hobbs: 0936.7 28 April 2018

100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 75/80, #2) 65/80, #3) 68/80, #4) 70/80, #5) 73/80, #6) 73/80. Changed engine oil and filter using (Exxon Elite 20W50). 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. Inspected #1 alternator brushes. Found to be worn. Installed new brushes, P/N:ALE1013AS. Adjusted #2 alternator belt tension as needed and safetied. Inspected ignition harness and leads for condition and security. Inspected fuel injection lines and nozzles for leakage and security. Leak checked fuel system. Inspected and pressure tested exhaust system. Installed new #6 exhaust header P/N: 15074-001, torqued and installed new gaskets. Installed new Brackett induction air filter element. Inspected and lubricated throttle, mixture and propeller governor controls, operational check good. AD's checked through Biweekly 2018-08. 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.

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Installed new lower #3 spark plug. Post maintenance engine ground run up, operational and leakage check satisfactory.

Nathaniel

Nathaniel Alan Beuthel A&P 3659835

L. John Wells A&P 3221132

w/o 39061

w/o 38971

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) **Engine Log Entry** Continental S/N: 1001217 06 July 2018 Flight Hobbs: 0960.6 Hobbs Meter: 1306.6

Performed 500 hour magneto inspection. Removed and disassembled magnetos. Installed new distributor gear kits P/N: 10-357586A, point sets P/N: 10-382584, felts, seais and safeties. Degaussed impulse coupling bodies and cams. Assembled couplings using new springs P/N: 10-51324. Set internal timing. Installed onto engine using new gaskets and original hardware. Timed to engine as needed. Next 500 hour magneto inspection due at Flight Hobbs Time: 1450.6. Removed leads at spark plugs and completed high tension tests. No defects noted. Reassembled as needed. Ground run operational and leak checks

L. John Wells A&P 3221132

w/o 39182

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Engine Log Entry

03 August 2018 Flight Hobbs: 0976.5 Hobbs: 1326.7

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50), Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Checked timing of magnetos. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good-

Aaron Peter Villery A&P 3224687 w/o 39305

**Total Time** Time Since Last Overhaul Hrs. Min. Hrs. Min.

Date

Brough'

## Engine Service and Maintenance Record

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

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) S/N: 1001217 **Engine Log Entry** 

12 September 2018 Flight Hobbs: 0981.5 Hobbs: 1336.2

Complied with 300 Hour Continental Fuel Injection Nozzle by removing injectors, inspecting and cleaning, no defects noted. Next service due Flight Hobbs: 1281.5. Cleaned, inspected, gapped, tested, and rotated spark plugs. Installed top #4 cylinder spark plugs P/N: URHB32S. Installed new #4 EGT probe P/N: 24548-001. Installed new intake gasket. Operation and leak check satisfactory.

Jason Daniel Schaaf A&P 3551738 w/o 39375

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (305) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry 03 November 2018 Flight Hobbs: 0994.2 Hobbs Meter: 1354.6 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates

noted. Oil sample taken and submitted Engine ground run-up, operational and leakage check satisfactory.

Jason Daniel Schaaf A&P 3551738

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 08 February 2019 Flight Hobbs: 1012.0 Hobbs Meter: 1380.5

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates Office of the and enhanted Engine ground run un operational and Leckage check satisfactors

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Cirrus SR22 S/N: 22-3595 Airframe Total Time: 0936.7 28 April 2018 Flight Hobbs: 0936.7 Hobbs Meter: 1274.7

100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System STC Instructions for Continued Airworthiness as a guide. Tested Artex ME406 ELT per FAR 91.207(d) using WS Technologies beacon measurement equipment, no defects noted, Beacon Test Report No. BT100AVtr:ple/3195/N628TL-04-27-18-1, dated 04/28/2018 on file. ELT battery replacement due April 2023. ELT remote switch battery replacement due March 2021. Performed AmSafe seat installation check, no defects noted. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected nose gear strut for condition and security. Installed new left brake caliper shim, P/N: 068-01100. Lubricated throttle and mixture control cable. Installed new pilot door lower latch spring. 308: Cleaned and primed affected area and secured one main fairing support on left main strut using new double-sided tape. Installed new Brackett induction air filter element P/N: BA24. Next induction air filter element replacement due April 2019 or Flight Hobbs Time: 1136.7. Complied with Garmin GSM 86 Servo Clutch Torque Check, all reading found to be within normal limits. Next check due April 2020. Inspected oxygen system for component condition and security per Precise Flight Oxygen System (ICA). Checked TKS reservoir service levels. Inspected cabin fire extinguisher for condition and security and performed 30 day cabin fire extinguisher weight check. Bottle weight 501.6 grams. Complied with Cirrus SA 06-06 (MCU Corrosion Inspection) by removing MCU cover and inspecting unit for corrosion per Service Advisory and application of MIL-C-81309 Type III Corrosion Inhibitor, no corrosion noted. Next MCU corrosion inspection due April 2019. Complied with Cirrus SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate) by inspecting the nose landing gear upper gusset plates for cracks per Service Bulletin, no defects noted. Next upper gusset plate inspection due Flight Hobbs: 1036.7. Complied with Cirrus SB 2X-74-02 (Ignition Switch) by applying Loctite 222 to ignition switch finishing collar. AD's checked through Biweekly 2018-08. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY

CONDITION.

L. John Wells A&P 3221132 IA

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 —					

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 10-550-N(61) S/N: 1001217 Engine Log Entry N628TL Continental Hobbs: 1246.2 Flight Hobbs: 0912.4 23 March 2018

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Checked timing of magnetos. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

Jason Daniel Schaaf A&P 3551738 w/o 38880

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry

09 June 2018 Flight Hobbs: 0958.9 Hobbs Meter: 1303.1

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Installed new lower #3 spark plug. Post maintenance engine ground rup up, operational and leakage check satisfactory. No 13. 12

Nathaniel Alan Beuthel A&P 3659835

w/o 39061

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61) S/N: 1001217 Engine Log Entry Flight Hobbs: 0960.6 Hobbs Meter: 1306.6

Performed 500 hour magneto inspection. Removed and disassembled magnetos. Installed new distributor gear kits P/N: 10-357586A, point sets P/N: 10-382584, felts, seals and safeties. Degaussed impulse coupling bodies and cams. Assembled couplings using new springs P/N: 10-51324. Set internal timing. Installed onto engine using new gaskets and original hardware. Timed to engine as needed. Next 500 hour magneto inspection due at Flight Hobbs Time: 1450.6. Removed leads at spark plugs and completed high tension tests. No defects noted. Reassembled as needed. Ground run operational and leak checks

L. John Wells A&P 3221132

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) S/N: 1001217 Engine Log Entry N628TL Continental

Hobbs: 1326.7 03 August 2018 Flight Hobbs: 0976.5

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Checked timing of magnetos. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good-

Aaron Peter Villery A&P 3224687 w/o 39305

Time Since

### and Maintenance Record

rworthiness Directives, Special Inspections,

ADO 80112 (303) 799-8386 Engine Log Entry 36.2

ng injectors, inspecting and ined, inspected, gapped, tested, 332S. Installed new #4 EGT probe tisfactory

1af A&P 3551738 w/o 39375

RADO 80112 (303) 799-8386 217 Engine Log Entry 354.6

and inspected, no contaminates inal and leakage check satisfactory. A&P 3551738 w/o 39613

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 Engine Log Entry 08 February 2019 Flight Hobbs: 1012.0 Hobbs Meter: 1380.5

Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates POT constitution and automited. Engine ground run un operational and Leakage check satisfactors

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 SR22 S/N: 22-3595 Airframe Total Time: 0936.7

28 April 2018 Flight Hobbs: 0936.7 Hobbs Meter: 1274.7 100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System STC Instructions for Continued Airworthiness as a guide. Tested Artex ME406 ELT per FAR 91.207(d) using WS Technologies beacon measurement equipment, no defects noted, Beacon Test Report No. BT100AVtriple/3195/N628TL-04-27-18-1, dated 04/28/2018 on file. ELT battery replacement due April 2023. ELT remote switch battery replacement due March 2021. Performed AmSafe seat installation check, no defects noted. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected nose gear strut for condition and security. Installed new left brake caliper shim, P/N: 068-01100. Lubricated throttle and mixture control cable. Installed new pilot door lower latch spring. 308: Cleaned and primed affected area and secured one main fairing support on left main strut using new double-sided tape. Installed new Brackett induction air filter element P/N: BA24. Next induction air filter element replacement due April 2019 or Flight Hobbs Time: 1136.7. Complied with Garmin GSM 86 Servo Clutch Torque Check, all reading found to be within normal limits. Next check due April 2020. Inspected oxygen system for component condition and security per Precise Flight Oxygen System (ICA). Checked TKS reservoir service levels. Inspected cabin fire extinguisher for condition and security and performed 30 day cabin fire extinguisher weight check. Bottle weight 501.6 grams. Complied with Cirrus SA 06-06 (MCU Corrosion Inspection) by removing MCU cover and inspecting unit for corrosion per Service Advisory and application of MIL-C-81309 Type III Corrosion Inhibitor, no corrosion noted. Next MCU corrosion inspection due April 2019. Complied with Cirrus SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate) by inspecting the nose landing gear upper gusset plates for cracks per Service Bulletin, no defects noted. Next upper gusset plate inspection due Flight Hobbs: 1036.7. Complied with Cirrus SB 2X-74-02 (Ignition Switch) by applying Loctite 222 to ignition switch finishing collar. AD's checked through Biweekly 2018-08. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY

CONDITION.

N628TL

Cirrus

L. John Wells A&P 3221132 IA w/o 39871

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections			
	Hrs.	Min.	Hrs. Min.		Modifications and Service Bulletins			
01 M 1001 Insper 78/88 contact Chec alter oil st Insper press through 11 TH.	N628TL ay 2019 four Inspection For Change minates to ked timinator brus al. o-ring sected fuel ure tested tiel, mixtu-08. Post TTHIS PECTIO 12766 12766 4 May 2	Fliperction mass agd engine noted. On go f man hes, P/N, and gast injectic dexhaustre and prinspect ENGIN AND	ontinenta ght Hohl for Annu uide. Cor e oil and f il sample gnetos to i: ALE10 sket on al n lines ar et system. or opeller sion engin KE HAS I WAS DI	al cons: 102/ al cons: 102/ al cons: 102/ al cons: 102/ al consideration of the consideration	oleted this date using the Cirrus Design SR22 Maintenance Manual on test: #1) 72/80, #2) 71/80, #3) 71/80, #4) 75/80, #5) 70/80, #6) ing (Exxon Elite 20W50). Cut oil filter open and inspected, no and submitted. Cleaned, gapped, tested, and rotated spark plugs.  Performed 12 month #1 Alternator Brush Inspection, replaced #1 Next #1 alternator brush inspection due May 2020. Installed new Inspected ignition harness and leads for condition and security. Ses for leakage and security. Leak checked fuel system. Inspected and down Brackett induction air filter element. Inspected and lubricated recontrols, operational check good. AD's checked through Biweekly down-up, operational check and leak check good. I CERTIFY NSPECTED IN ACCORDANCE WITH A 100 HOUR HINED TO BE IN AN AIRWORTHY CONDITION.  Randy C. Johnson A&P 3123186 w/o 40048  ARAPAHOE AERO  WER ROAD ENGLEWOOD. COLORADO 80112 (303) 799-8386 IO-550-N(61)B S/N: 1001217 Engine Log Entry			
06 Ch	July 201 anged enged. Oil- 12760 N62 5 Septem	PEAST Pagine oil ample to DEAST PERTL Page 20 DEAST PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PERTL PE	CONTRO Conti	I I I I I I I I I I I I I I I I I I I	ARAPAHOE AERO  R ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 O-550-N(61)B S/N: 1001217 Engine Log Entry 8.4 Hobbs Meter: 1430.3  Elite 20W-50). Cut oil filter open and inspected, no contaminates d. Engine ground run-up, operational and leakage check satisfactory. Nathaniel Alan Beuthel A&P 3659835 w/o 40215  ARAPAHOE AERO  VER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 10-550-N(61) S/N: 1001217 Engine Log Entry bibs: 1058.6 Hobbs: 1448.9  date using Cirrus 50 Hour Inspection items as a guide. Serviced engine led and safetied owner provided oil filter. Cut oil filter open and silter taken and submitted. Inspected magnetos, ignition harness			

and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Lubricated throttle and mixture cable slides and rod ends. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine

ground run-up, operational and leakage check good.

Randy J. Knox Jr. A&P 3227973 w/o 40516

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 1001217 Engine Log Entry 1O-550-N(61)B Continental N628TL Hobbs Meter: 1474.1 04 October 2019 Flight Hobbs: 1078.9 Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Engine ground run up operational and leakage check satisfactory. w/o 40626 Jason Daniel Schaaf A&P 3551738

Min. Hrs. Hrs. Min.

**Total Time** 

Date

Broug

Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

ARAPAHOE AERO

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12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 Engine Log Entry

Flight Hobbs: 1095.2 26 December 2019 Hobbs: 1497.0

Time Since

Last Overhaul

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Changed engine oil and filter (Exxon Elite 20W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

Jason Daniel Schaaf A&P 3551738

w/o 40858

w/o 41076

ARAPAHOE AERO

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

IO-550-N(61) Continental N628TL

Mull

S/N: 1001217 Engine Log Entry

Hobbs: 1109.6 23 March 2020 Flight Hobbs: 1517.9 Cleaned and resealed #6 fuel injector. Ground run-up, operational check satisfactory.

L. John Wells A&P 3221132

ARAPAHOE AERO

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

Total Time: 1111.5 IO-550-N(61) S/N: 1001217 Continental N628TL

Flight Hobbs: 1111.5 Hobbs Meter: 1522.0 03 June 2020

100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 75/80, #2) 75/80, #3) 70/80, #4) 75/80, #5) 70/80, #6) 77/80. Changed engine oil and filter using Exxon Elite 20W50. 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. Performed 12-month #1 Alternator Brush Inspection, replaced #1 alternator brushes, P/N: ALE1013AS. Next #1 alternator brush inspection due June 2021. Inspected ignition harness and leads for condition and security. Inspected fuel injection lines and nozzles for leakage and security. Leak checked fuel system. Inspected and pressure tested exhaust system. Installed new Brackett induction air filter element. Secured foam seal at oil cooler. Inspected and lubricated throttle, mixture and propeller governor controls, operational check good. AD's checked through Biweekly 2020-11. 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. Mucel

w/o 41220 L. John Wells A&P 3221132

<b>ARAPAHOE</b>	<b>AERO</b>
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12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 **Engine Log Entry** S/N: 1001217 1O-550-N(61)

Continental

Hobbs: 1537.9 18 July 2020 Flight Hobbs: 1123.4

Performed 12-month #1 Alternator Brush Inspection, replaced #1 alternator brushes, P/N: ALE2013AS. Installed new field control terminal and crimped. Next #1 alternator brush inspection due July 2021.

w/o 41413 L. John Wells A&P 3221132

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

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61) S/N: 1001217 **Engine Log Entry** 

23 March 2018 Flight Hobbs: 0912.4 Hobbs: 1246.2

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no ferrous contaminates noted. Oil sample taken and submitted. Inspected magnetos, ignition harness and leads for condition and security. Checked timing of magnetos. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good.

\_\_\_ Jason Daniel Schaaf A&P 3551738 w/o 38880

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N628TL Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 09 September 2020 Flight Hobbs: 1128.8

Hobbs Meter: 1548.3 Changed engine oil and filter (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Engine ground run-up, operational and leakage check satisfactory.

Nathaniel Alan Beuthel A&P 3659835 w/o 41552

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

N628TL Continental IO-550-N(61) S/N: 1001217 Engine Log Entry 25 September 2020 Flight Hobbs: 1138.3 Hobbs: 1560.4

Installed new #2 Hartzell alternator P/N: ES-7024-14-845, S/N: H-U011451. Installed new field control module P/N: 29434-003. Removed propeller, installed new drive belt P/N: 657970 and reinstalled propeller using new o-ring. Adjusted belt tension and safetied. Ground run operational checks of charging system

found to be normal.

L. John Wells A&P 3221132

Randy J. Knox Jr. A&P 3227973

w/o 41591

w/o 42013

#### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 Continental IO-550-N(61)B S/N: 1001217 **Engine Log Entry** 

11 November 2020 Flight Hobbs: 1144.8 Hobbs Meter: 1571.6

Changed engine oil and filter (Exxon Elite). Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted. Engine ground run-up, operational and leakage check satisfactory.

L. John Wells A&P 3221132

w/o 41753

#### ARAPAHOE AERO

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

**Engine Log Entry** N628TL Continental IO-550-N(61) S/N: 1001217

Hobbs: 1594.1 02 March 2021 Flight Hobbs: 1161.1

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Serviced engine using (Exxon Elite 20W-50). Installed and safetied owner provided oil filter. Cut oil filter open and inspected, no contaminates noted. Oil sample taken and submitted, Inspected magnetos, ignition harness and leads for condition and security. Inspected fuel injection system for leakage and component condition and security. Leak checked fuel system. Inspected induction system and alternate air door for security and operation. Inspected cylinder drains and engine case breather tube for obstructions. Inspected engine exhaust system, no defects noted. Checked lubrication and operation of throttle, mixture and propeller governor controls. Installed new oil filter adapter gasket and resealed upper aft left case bolt with o-ring. Inspected engine compartment installation hardware for security. Inspected and wiped down engine cowling. Post inspection engine ground run-up, operational and leakage check good. Potthe

ARAPAHOE AERO

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

IO-550-N(61) S/N: 1001217 12 May 2021 Flight Hobbs: 1171.5

Engine Log Entry Hobbs: 1608.7

Complied with 300 Hour Continental Fuel Injection Nozzle Servicing by removing injectors, inspecting and cleaning. Next service due Flight Hobbs: 1471.5. Replaced screw at aft baffle seal retainer. Engine ground run-up check satisfactory.

L. John Wells A&P 3221132

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) S/N: 1001217 N628TL **Engine Log Entry** 

21 May 2021 Flight Hobbs: 1172.8 Hobbs: 1611.0

Changed engine oil and filter using (Phillips X/C 20W50). Cut oil filter open and inspected, no Changed changes and the contaminates noted. Oil sample taken and submitted. Ground run operational and leak check satisfactory.

L. John Wells A&P 3221132

w/o 42284

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 IO-550-N(61) S/N: 1001217 N628TL Continental Total Time: 1185.2

Flight Hobbs: 1185.2 16 July 2021 Hobbs Meter: 1627.1

100 Hour Inspection for Annual completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Compression test: #1) 78/80, #2) 74/80, #3) 70/80, #4) 68/80, #5) 70/80, #6) 74/80. Changed engine oil and filter using (Phillips X/C 20W50). 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. Inspected ignition harness and leads for condition and security Inspected fuel injection lines and nozzles for leakage and security. Leak checked fuel system. Inspected and pressure tested exhaust system. Installed new Brackett induction air filter element. Inspected and lubricated throttle, mixture and propeller governor controls, operational check good. Performed 500 Hour / 2 Years #1 Alternator Brush Inspection, replaced #1 alternator brushes, P/N: ALE1013AS, Next #1 alternator brush inspection due July 2023 or Flight Hobbs: 1685.2. Continental Aerospace Technologies AD 2020-16-11 (Cylinder Modification) not applicable by cylinder part number and manufacture date. AD's checked through Biweekly 2021-14. 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.

ARAPAHOE AERO

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

S/N: 1001217 N628TL Continental 1O-550-N(61) 01 October 2021 Hobbs: 1649.0 Flight Hobbs: 1200.8

Changed engine oil and filter using (Phillips X/C 20W50). Cut oil filter open and inspected, no

contaminates poted. Oil sample taken and submitted. Ground run operational and leak check satisfactory. Mul

L. John Wells A&P 3221132

L. John Wells A&P 3221132

w/o 42698

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