N297CD

ENGINE LOG BOOK



CONTINENTAL MOTORS

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:

Teledyne Continental Motors Abbeville Industrial Park Suite 159 Abbeville, AL 36310

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



Teledyne Continental Motors, Inc.

A Toledyne Technologies Company

Printed: 08/02/2002

This engine model 10360ES6

, Serial No. 357535 was manufactured on07/31/2002

by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY PRODUCTION CERTIFICATE NO. 508

Date	Date Total Time				Engine Service and Maintenance Record	1
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections Modifications and Service Bulletins	,
8-15-02	0	0			Serviced Engine with 8 Qts of Phillips 20 V 105	
		~	~	~	Straight Mineral Oil on 8 / 15/62 by 105	
10-4-02	30.1		-	Million et autorio y roy rois -	Preferred oil and filter change, serviced with	
10 102					8 ats. Phillips 20w50 Straight Mineral O:1	
					and instalked Champion CH48108 oil filter.	
					Rangengine and checked for leaks. None found	1
					1 brings Wight AH 524138773	
	86.4		\mathbb{C}	has	sed oil uf John Denbski	
	,					
		Phone	e: (913) 782	2-0530	Airframe Log/Repair	
	on Center	CRS	AMYR1710	;	N297CD S/N 1232 ———	
Karaka Aviat	ion Ce.					
Date: 8-6-03	442.0	-times			Work Order: C4329	
Hobbs Time:					Total Time: 143.0	
Complied with	h Cirrus S	Service B	ulletin 20-5	2-02 by In	guisher p/n: RT-A600. stallation of drain holes in cabin doors and baggage door.	
Complied wit	h Cirrus S	Service B	ulletin 2X-3	2-06 by in	nlargement of drain holes in rudder bottom and elevator tips. stallation of countersunk washers on nose landing gear wheel pant.	
Complied wit	h Cirrus S	Service B	ulletin 2X-5	7-04 Outb	poard Aileron Hinge Inspection by inspection and found no defects.	
		has beer	n inspected	and deter	mined to be in airworthy condition. Pertinent details are on file under the	
above work o	dei.	200	Sol			
Signed Kansas City	Aviation C	Center, In	c 151s	t and Pflu	for mm Road Olathe, Kansas 66062 FAA Repair Station #AMYR171C	
	,		1			
					VK AVIATION INC. Lincoln, NE W.O. 03-8008 N297CD Tach: 175.9	
1			exhaust ro	cker cov	ver gasket P/N 655704. Ground ran aircraft and systems op's and	
leak chec					END	
Pertinent details o	f the repair are of	entified above won file at this ago	as repaired and ins	der No.	unce with current Federal Aviation Administration Regulations and is approved for return to service as airworthy.	
Silverhawk Aviation Lincoln, NE 6852	on CRS # YQSR	2759U				
	1	1	SII	VERH	AWK AVIATION INC. Lincoln, NE D. 03-7998 N297CD Tach: 175.9 ACTT: 175.9	
F E	,	Date	: 10-03-20 ET	υυ3 W.C Γ: 175.9	ETSOH: 175.9 ELT Due: March 2008	
				1	PTT: 175.9 PTSOH: 175.9	
Comp	ressions	checked	l as follov	vs: #1 7	6/80, #2 74/80, #3 77/80, #4 78/80, #5 76/80, #6 78/80. Drained	
onging	oil De	moved	and check	ed oil filt	ter for contaminants. Checked good. Installed liew on litter 1/19	
CH48	108. Se	rviced e	ngine wit	n eight q Cirrus De	uarts of Aeroshell 65 oil. Completed annual inspection on the sign SR20 maintenance manual. Ground ran aircraft and systems	
op's a	nd leak	checked	good.			
Tach:	175.9	A/C TT:	75.9	accord-a	END	
Inspection	are on file at this	agency under v	as been inspected in work order No Signed	accordance with	for	
Silverhavk Lincoln, NI	Aviation CRS # E 68524	YQSR759U	1			

Date	Total	Time	0.0000000000000000000000000000000000000	Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Fc &		Date:	10-03-20	03 W.O .: 175.9	WK AVIATION INC. Lincoln, NE . 03-7998 N297CD Tach: 175.9 ACTT: 175.9 ETSOH: 175.9 ELT Due: March 2008 T: 175.9 PTSOH: 175.9
Comple	eted anni	ual inspe	ection on	the prope	ller in accordance with the Cirrus Design SR20 maintenance
	. Op s c	спеск до	od.		END
l certify this (air	rcraft) (engine) ((propeller) has being under work	5.9 cen inspected in accorder No	cordance with an A	Annual Inspection per FAR 91.409 PARA. A and was determined to be in an airworthy condition. Pertinent details of the above
Silverhawk Av Lincoln, NE 68	nation CRS # YC	QSR759U	Signed_	ac	for
					192
	223.0)	KRA	zós A	lof Shop allenged oil
	'	'	SILV	ERHA	WK AVIATION INC. Lincoln, NE
		A	Date 234 : CTT	e: 11-02-2 4.1 ETT:	2004 W.O. 04-9287 N297CD Tach: 234.1 234.1 ETSOH: 234.1 PTT: 234.1 PSTOH: 234.1
Tach/Hr Meter I certify this (ai condition. Dated //- 2 Silverhawk Av. Lincoln, NE 68	#B4. I irreraft) (engin	Total Tin 16) (propeller) OH - 92 YQSR759U	ne 2341	cted in accorda	2 75/80, #3 78/80, #4 79/80, #5 75/80, #6 78/80. Ground run operational END nee with a/an Annual inspection as per FAR 91.409 A and was determined to be in an airworthy
	0 Rich	ards Ro	. eKangas	C1+v B	William Canada
			utes an A M I	OTTIGI	al maintenance record per FAR 43.9 & 43.11. S/N: SR-20
	Reg.		Date 3/6/0:		Tach 0285.5
		open time	ged oil wt oil and in	and oi and Ch spected	al filter. Serviced with 8qts Aero Shell 100 nampion oil filter CH48108-1. Cut oil filter di for foreign material, none noted at this ak checked, no leaks noted at this time.
			51-171		
s	ignatu	re:	Hal	if la	
-	-				
		_			

Da	ate	Total	Time		Time Since Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspection								
		Hrs.	Min.	Hrs.	Min.	Installa Modifie		\dashv					
SO	4	06-10787	T -										
REG		N297CD	-				ipal Airport [LNK	7	ACTT	03/08/06			
	MAKE TCM MODE				103	60ES6	ETT	334.8	HOUR	334.8			
			SER	IAL NO.	35	7535	ETSOH	334.8					
2. 3. 4.	Installed Installed I certify this an airworth	Drained Installed Remove Performed In new #5 up In new oil co	engine of I new oil id, cleanded leak of oper spa oler gas imp quict ine) (prope	oil. Remov filter P/N (ed, inspec check and rk plug P/I ket P/N 65 k drain P/I eller) has beer	ed, opene CH48108- ted, rotate performa N RHM38 54117. N S6250.	ed, and in 1 and se ed, and re nce grour E.	#4 70/80, #5 68/80, spected oil filter. No roviced engine with 8 reinstalled sparkplugs nd runs. No defects e with a/an Annual inspect	defects noted. qts. Aeroshell 10 s. noted.		ermined to be in			
	Lincoln, NE	68524											
		+ 1	11			T				• •			
		1		1	'	1	war to the second						
	7_1	7-2007		Eng TT:	397.1		Hobbs: 397.1-	N297	CD Engine Lo	g			
- - · - ·	has	I cerbeen deter	rtify tha	t this eng to be in a	irworthy	condition	o leaks noted. bected in accordance. See W.O. 198 ATION MAINTENA Rhodus Road E	Anthony I Executive 280 Gardr New Cent CRS YEB	D. Stanton Beechcraft Incher Drive ury, Kansas 66 BR071L	5031			
_		This co	nstitu	tes an	officia	al main	Rhodus Road Entenance record	i per ir o					
_		GINE		Date	Hr	Mete	r ENG TT						
		g. No.	9	///200	7	408.6	408.6						
_	In	stalled	new	starte	r p/n	C24ST	3 s/n 4C3-31	0715 from	Sky-Tec In	nc	_		
_	File	name:	2007-9	MOU	- 00	01700	(1) (1)	SOW	Reder				
_	Ins	pector	signa	ture A	&P 321	01/08_	Richard E.	Anderson					
_		, 1	N	ı	1 .		VICHALA D.	and the second to					
					-	-					_		
		1		1	1	1							

Neg. No. Date Netter 8/n 4C3-310715 and installed new p/n C24ST3 s/n 4C3-330706. 1) Removed starter s/n 4C3-310715 and installed new p/n C24ST3 s/n 4C3-330706. STRATUS AVIATION MAINTENANCE Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024 This constitutes an official maintenance record per FAR 43.9 & 43.11. NGINE SN: 387838 Reg. No. Date Tach ENG IT NESPYCD 11/1/2008 442 1) Completed check: a #178/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 2) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing no both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. Certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be a superinty condition. File name 2008 - 10 - 235 Richard E. Anderson Richard E. Anderson A&P 3201708 IA Richard E. Anderson AAP 3201708 IA Richard E. A	ENGINE		STRATUS AVIATION Center 13106 Rh	ON MAINTENANCE odus Road Excelsior Springs MO 64024 ance record per 14 CFR 43.9 & 43.11.	special Inspections
1) Removed starter s/n 4C3-310715 and installed new p/n C24ST3 s/n ile name: 2007-9M70 Inspector signature A&P 3201708 Removed Education Richard E. Anderson STRATUS AVIATION MAINTENANCE Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024 This constitutes an official maintenance record per FAR 43.9 & 43.11. NGINE S/N: 357535 Reg. No. Date Tach ENG TT N297CD 11/1/2008 442 442 1) Completed check: a. #1 78/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in amortime condition. File name 2008 - 10 - 235 nspector Signature Ask Parameters A&P 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 IA Richard E. Anderson ARP 3201708 I	Reg. No.				
Ispector signature A&P 3201708 Part Color Caron Richard E. Anderson STRATUS AVIATION MAINTENANCE Midwest National Air Center 13:106 Rhodus Road Excelsior Springs MO 64024 This constitutes an official maintenance record per FAR 43.9 & 43.11. NGINE S/N: 357535 Reg. No. Date Tach ENG TT N297CD 11/1/2008 442 442 1) Completed check: a. #1 78/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. Certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in significant for the condition. File name: 2008 - 10 - 235 Inspector Signature A&P 3201708 IA Richard E. Anderson Reg. No. Date To A.				15 and installed now -/- coace	_
STRATUS AVIATION MAINTENANCE Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024 This constitutes an official maintenance record per FAR 43.9 & 43.11. NGINE S/N: 357535 Reg. No. Date Tach ENG TT N297CD 11/1/2008 442 442 1) Completed check: a. #178/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and apped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. Certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in aimorthy condition. File name: 2008 - 10 - 235 ARP 3201708 IA Richard E. Anderson ARP 3201708 IA ARP 3201708 IA Richard E. Anderson ARP 3201708 IA ARP 32017				and installed new p/h C24ST3 s/n	
STRATUS AVIATION MAINTENANCE Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024 This constitutes an official maintenance record per FAR 43.9 & 43.11. NGINE S/N: 357535 Reg. No. Date Tach ENG TT N297CD 11/1/2008 442 442 1) Completed check: a. #178/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. Certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in amount condition. File name 2008 - 10 - 235 ASP 3201708 IA Richard E. Anderson Richard E. Anderson ASP 3201708 IA ASP 3201708 IA Richard E. Anderson ASP 3201708 IA ASP 3201708 IA Richard E. Anderson ASP 3201708 IA ASP 3201708 IA Richard E. Anderson ASP 3201708 IA Richard E. Anderson ASP 3201708 IA ASP 3201708 IA ASP 3201708 IA Richard E. Anderson ASP 3201708 IA AS	nspector s	ignature A	P 3201708 Km	Ran E Charles	
Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024 This constitutes an official maintenance record per FAR 43.9 & 43.11. NGINE S/N: 357535 Reg. No. Date Tach ENG TT N297CD 11/1/2008 442 442 1) Completed check: a. #1 78/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. Certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in airporthy condition. File name: 2008 - 10 - 235 Aspector Signature Aspector Signature Aspector Signature Aspector Aspec			Rich	Colon	
Reg. No. Date Tach ENG TT N297CD 11/1/2008 442 442 1) Completed check: a #178/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in aimorthy condition. File name: 2008 - 10 - 235 Inspector Signature Richard E. Anderson A&P 3201708 IA Richard E. Anderson A&P 3201708 IA Planta Spark plugs & reinstalled with new gashets Explanation of the best of the special special in a special	This	t National Air (constitutes a r	Center 13106 Rhodu	us Road Excelsior Springs MO 64024	
1) Completed check: a. #1 78/80 #2 75/80 #3 76/80 #4 77/80 #5 74/80 #6 76/80. 2) Changed oil and filter serviced with AeroShell W10 AD and a CH48108-1 filter. 3) Cleaned and gaped spark plugs, replaced one spark plug. 4) Adjusted the magneto to engine timing on both mags. 5) Completed 300-hour fuel nozzles cleaning and inspection. certify that this ENGINE has been inspected in accordance with an "ANNUAL" inspection and was determined to be in apportunce on a property of the property	Reg. No.	Date			
G-2010 Hobbsthows 472.0 hrs TTE 472.0 hrs Compression checked #130 #250 #380 #480 #5 80 #6 49 Pleaned spork pluges & reinstabled with new-goskets eplaced took drive shoft PN 642/21-1. Lubrirated top PD' OH'I thru 2010-5 Certify that this Engine has been inspected in cordance with an annual inspection and was remined to be in Airworthy condition at this	5) Complete certify that thind was determined to the complete complete the complete comple	is ENGINE has mined to be in a	fuel nozzles cleaning been inspected in a parting condition.	ng and inspection. accordance with an "ANNUAL" inspection File name:2008 - 10 - 235	
Jumpressione checked #130 #250 #350 #150 #550 #679 Theores spork pluges & reinstalled with new-gaskets eplaced took drive shaft PN 642121-1. Lubricated rop DO'S ON I thru 2010-5 Certify that this Engine has been inspected in condance with an an amunal inspection and was amined to be in Cinworthy constition at this		Rich	ard E. Anderson		
Jumpressione checked #130 #250 #350 #150 #550 #679 Theores spork pluges & reinstalled with new-gaskets eplaced took drive shaft PN 642121-1. Lubricated rop DO'S ON I thru 2010-5 Certify that this Engine has been inspected in condance with an an amunal inspection and was amined to be in Cinworthy constition at this	9-2010	Holes	shows 42	20 h TT 6432 11	
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eplaced tock drive shaft PN 642121-1. Lubrirated of PO OH I thru 2010-5 Leveling that this Engine has been inspected in condance with an Commal inspection and was armined to be in Circumstry constition at this	leane	so a h	1	16 219 0 13 7 78 0 79	3 6 79
Jordance with an Commal inspection and was summed to be in Promothy condition at this	eslace	took	drive 18		roskets
condance with an Commal inspection and was in mined to be in Circumsthy constition at this	UP A	205 0/	12 thru	2010-5	aled
amined to be in Pinworthy condition at this	Lon	tels to			
to any peace	ordano	e with	an Con		ctiel in
to any peace	amine	et to los	in Cha	conthe and it	Was
	so and	date		and consumon at to	his
			Charle	la Olist Ta ana it	-
				JUN 41 1141 17	14637

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 Forward		-			The amount of vice Building
5-16-201	11/	6665	she	res	507.4 TTE 507.4
Comp	res	rion	ch	chec	(#180 #2 80 #3 80 #4 30 #5 80 #6 80
Changed	ene	ine	oil	and	Litter Coroshell 1000 viland
Thampion	. 6	4487	08-1	filte	installed . Eng run no leaks AD5
CKS th	u ,	2011	-10	0	
Icert	Ly	the	x 1	tis E	ngine has been inspected in
accorda	oce.	ceri	the a	u Co	unual inspection and coos determined
tober	in (dire	worts	y co	prolition at this time and date
				1	
			M	erles	Wit #A A+P/1/4637
2 26 20 10	2 //	00	0		C21
3-26-2012	1	066	3 sh	ous	536.4
- Tepl	red	- Ces	s of	Ito	element PN 13H-24 - Kiplaced
Starter	200	th	nes	e- 5	1 ky Jee PN C24 ST 5 3N4C5-
-00122	501	0:	M	HN	PGO8528W suplement #6
elegibile	9	UST	9/		1 Olilia napianisa
			-	na	rles (Wist A4F 1714637
7-9-2012 7	4.0	0	6	. ~	462 hrs
Comp	YOUT	O	che	heel	4/80 #2 59 #3 50 #4 80 #5 50 #6 80 o
A0200	2-11-	117	011)	bej.	1
SB2X-78	_		n		Lects . Next due at 644.2 hrs
Replace	6 11	rank	sle	1 7	with new Champion RHM 38E
spark pl	luc en	A	050	Kil	thru 2012-12
101-	Tis-	tha	t-t	dis E	ngine has been inspected in
accordan	7	wi	th a	n C	Turned inspertion and was
deturni	red.	to	be i	u C	Enworthy condition at this
Time an	do	late	-/		
				larl	L Wit I.A. A8P 1714637
			<u> </u>		0.
12-8-2012	H	660	568	8 Kr	
Chang	20	1 +	fil	ter	Phillips 20/50 and Mampione
CH4810	Pfs	then			,
	-	/	2/	0	1. [5] 0/0/0/0/27
			har	les	Wist A+P1714637

Date	Total	Time	Last 0	Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections Modifications and Service Bulletins
Brought Forward		-			
4-12-201	3 H.	36bs	59	70/hr	DE MARIE DE DE
Regla	ced :	tock	Jenja	ve	eal Engrun no leaks. alternate
remined	bes	Ceie	craft	- (ecc	essures sice
- Copies	X		_/	-)A	les Wirt A4P 1714637
				Ma	res Jason HITTEST
8-20-2013	Hob	65 4	hour	, 60	5.4. Krs #180 4780 4280 4 430 4 580 4180
Pomas	ress	in	che	hed	4/30 2/2 3
Estate	O sk	ark	. pl	iges	have engine oil and filter
Dhall.	351	1/5	soil	Dano	Champion CH48/08-/ Silter insta
	1.1	1h	+	this ?	nging has been inspected in
25500	8	20.00	LITA	au (Emual inspection and was
di fi		NA	Ro	in,	warthy condition at this
Timo an	and a	l-A		70	
Imo Col	rei x	me	7-	Has R	1/1 Let I.A. AHP 1714637
				was,	
1122-111	111	16		548	4 800
1-12-2014	0005	spys	es l	1000	2 Phillips 20/50 vil and Champion
CHANG	201 0	och	c of	July 1	En la
12H 48108-1	fel	wi	usla	lledo	The run mo scops
0					1) (1 list AHP 1714637
			(Kasl	JUST A&P 1714637
		0			0
-17-2014 H	2000	show	m 65	48,61	Crs
Replaced	star	tin	with	ren	ranufactured serit from
Sky Tec 7	arts	erso	me	(orig	ional manufactures) wot 14040306
OS CKI	rom	ral			
/				Ma	Nes West AtP 1714637
			T.		
-18-2014 Ho	665	she	~ . 50	1574	8 hrs
omoressi	,	- 60	6		86 #2 86 #3 86 #480 #5 86 #6 80 18 278 #3 86 #480 #5 86 #6 80
02000-11	000	111	cree.		
2008-11-1	7	1 00	7.0	nessic	heck and visual ings per SB2X-
0. 10 1	100	ye	cho	lest	due at 774,8hrs . Spark plug
ceaned ft	ester	gen	dre	is	
ose suppor	to	lan	pa	bove	#/ cyl spark plug
		٠,	0	7	
			Ra	rles	Wirt #4P1714637

Date	Total 7	Time	Time	Since	Engine Comics and Maria
			Last O	verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward		→			and control building
9-18-2014	Hot	165	sha	400	74.8 hrs
Quet:	1/2 7	the	+-	A. S	
mass of		(1)	The	us C	name has been inspected in
determ		1 to	la	0/	Lieuverthy condition at the
time as	Del	0.1	-		eleworthy condition at this
ume ar	W DC	all			COLLYTTIA MIT
				, Tua	sla Wirt IA. 174637
11/10/		//	/.	0	
1-16-201	5 /9	000	75 S	hour	
Chang	ed!	enc	oil	ano	filter Thilips 20/50 oil
and (han	sio	u C	144	108-1 filter . Eng sun no
leaks					
			he	uls	West A&P 1714637
12-1-2015	Hob	60	sho	us	750,8 hrs
Comp	ussi	in	che	ched	#180 #280 #3 50 #4 45 #5 46 38
Rotates	san	rb	shu	esel	AD 2008-11-18 CW pu SB 2X-78-07 RI
no-dele	to	nu	t de	u t	1 Som at 850.8 hrs Channel
Ine wil	and	1	ilt.	T	hiling 20150 all out Ohn win
0948108	2/1	It	in	stut	Red.
Questi	of	th	+ 5	this	Engine has been inspected in
accordan	77	175	<i>i</i>		unal inspection and was
Literal	cell	t.	r ar		sworthy condition at this
To	red i	1	EM.	i al	nwoung rosourion at this
Time and	ds	re	\		
			1	I	11/04-10 010 1-11127
1 1 201/	COCA (11	rail	Can y	Wit IA A+P/7/4637
6-1-2016	800.4	, H	1961/1	me	changed engine oil & hiter
		hao	reng	ine	cil analysed.
<u></u>	3-7-20	17	N297CI	ח	Tack 858.27 Engine
					Drained oil, took sample, removed
	oil fi	lter	and ci	ut ope	n, checked for contaminantadds, none
	found.	Inst	talled	new Cl	H48108 oil filter, torque and safety.
	reinst				illips XC20W50. checked for leaks &
	Was .	100	9 t	2	
	Pandal		pon		1742 11/2-1-17
	kanda1	. ย. (arant,	AP174:	1712,Higginsvile, Mo. 64047

Date '	Total	Time Since Last Overhaul		Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,	
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins	
rought Forward		-				
ought rolling						
						7
	-					7
						-
						-
						-
						_
- (R	oil) 16 <i>fAwa</i> Randal	BGra	Weins Weins ant, A	stalle AP1741	8 qt. Phillips XC20W50. Checked for deal bottom panel and to cowl. 712 Higginsville, Mo. 64037	
- R	5 I r () To	-8-20 nstal einst 15x6- orque	olf led n called GTT) & sa	N297Clew no: nose tube fety. h new	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good.	
- R	5 I r (: To ba	-8-20 nstal einst 15x6- orque atter BE sp	led nalled 6TT) & sa y wit	N297Clew nose nose & tube fety. h new lugs	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good.	
- R	5 I r (: To ba	-8-20 nstal einst 15x6- orque atter BE sp	led nalled 6TT) & sa y wit	N297Clew nose nose & tube fety. h new lugs	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good.	
- K	5 I r (: To ba	-8-20 nstal einst 15x6- orque atter BE sp	led nalled 6TT) & sa y wit	N297Clew nose nose & tube fety. h new lugs	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good.	
- F	5 I r (: To ba	-8-20 nstal einst 15x6- orque atter 3E sp	D17 led n alled 6TT) & sa y wit ark p	N297Clew no: nose & tube fety. h new lugs a	D Hobbs 858.7 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037	
F	5 I r (: To ba	-8-20 nstal einst 15x6- orque atter 3E sp	ol7 lled n called 6TT) & sa y wit ark p	N297Clew no: nose & tube fety. h new lugs a	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037	
F	55 II rr (17 ba 38 ———————————————————————————————————	-8-20 nstal einst 15x6- orque atter 3E sp effre	2017 and f	N297Clew no: nose & tube fety. h new lugs a Johnso N29	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained 011. TOOK sample remove	
F	55 II no (1) To ba 388 — Je	-8-20 nstal einst 15x6- orque atter 3E sp effre	2017 and ffilte	N297Clew nose & tube fety. h new lugs a Johnso N29 ilter r and	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained oil. Took sample. remove Cut open, checked for contaminant pones	
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- F	5 I r (: To ba 38 Je	-8-20 nstal einst 15x6- orque atter 3E sp effre 0il foun Serv	2017 and ffilted. In:	N297Clew no: nose & tube fety. h new lugs a Johnso , N29 ilter r and stalle with	D Hobbs 856.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained oil. took sample. remove cut open. checked for contaminant none ed new CH48108 oil filter, torque and safety. Tog. Phillips XC20W50 checked for looks 8	
F	5 I r (: To ba 38 Je	-8-20 nstal einst 15x6- orque atter 3E sp effre 0il foun Serv	2017 and ffilted. In:	N297Clew no: nose & tube fety. h new lugs a Johnso N29 ilter r and stalle with ed bot	D Hobbs 856.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained oil. took sample. remove cut open. checked for contaminant none ed new CH48108 oil filter, torque and safety. Tqt. Phillips XC20W50. checked for leaks & ttom panel.	
F	55 II no (1) To ba 38	-8-20 nstal einst 15x6- orque atter 3E sp effre oil oil foun Serv rein:	2017 and f filted is stalled	N297Clew nose & tube fety. h new lugs a lohnso liter r and stalle with led both	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained oil. took sample. remove cut open. checked for contaminant none ed new CH48108 oil filter, torque and safety. Tqt. Phillips XC20W50. checked for leaks & ttom panel.	
F	55 II no (1) To ba 38	-8-20 nstal einst 15x6- orque atter 3E sp effre oil oil foun Serv rein:	2017 and f filted is stalled	N297Clew nose & tube fety. h new lugs a lohnso liter r and stalle with led both	D Hobbs 858.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained oil. took sample. remove cut open. checked for contaminant none ed new CH48108 oil filter, torque and safety. Tqt. Phillips XC20W50. checked for leaks & ttom panel.	
F	55 II no (1) To ba 38	-8-20 nstal einst 15x6- orque atter 3E sp effre oil oil foun Serv rein:	2017 and f filted is stalled	N297Clew nose & tube fety. h new lugs a lohnso liter r and stalle with led both	D Hobbs 856.2 W/O 23712 Airframe/ENGINE se wheel tire (505C61-8) & tube (5.00x5), wheel fairings. Installed new main tires es (15x6.00) greased wheel bearings. Installed wheel fairings. Replaced ship Concord RG 24 11/15. SBO. Installed new RHM and torque. Post run up and taxi good. On, MF2R003L Star Aero, Inc. 11669 Airport Rd. Higginsville, mo. 64037 TCD Tack 90420 Engine change. Drained oil. took sample. remove cut open. checked for contaminant none ed new CH48108 oil filter, torque and safety. Tqt. Phillips XC20W50. checked for leaks & ttom panel.	

Date

Brought Forwa

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
ught Forward	8-	31-2017 N2	297CD Tack 943.1 Engine accum pump and installeld a new
ughtron	Re	moved old va	accum pump with new gasket & torque.
	No	>	
		procedur	nlec
	Je.	sica A. Tri	imble AP3846493, Warrensburg, Mo. 64093
18/2017	Hohbs "	946.7	01448108-1
1101000	mouno e	all Phillip	05 20/50 CHAMPION CH48108-1
nangeas	17 100	Tooks	
agine co	IVI PVO	reas	
0	1		019100=
Sund	100	3275537	owner
2 1	Hall	941.2	his
-8-2017	1000	AF -	with unit overhauled by
Kepla	red as	ternalo	Renais statt CRS#RV3R8291
Dis cras	A Ceci	cessories	Repair see OP'S CK normal
1114 6	n17-2	446 SM	1 H-L051573 OF3 CR 114
004			
	1	11/	() (1) ist A+P 1714637
		Harles	Wirt 1714637
		Harles	Wirt 1714637
		harles	Wist 14-17/14637
5	GNATURE	Harles	
TECH	INICAIR	Kerles	D. Wileseler Downtown Airport
TECH An	G N A T U R E INCAR Aniation	Charles 701 NW	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116
TECH AIR BBJ	INICAR craft Maintenance	701 NW	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES
TECH Arr BBJ ENGINE	Aviation S/N 35753	701 NW	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model 10-360-ES HOBBS
ENGINE REG. NO. N297CD	S/N 35753 DATE: 2/6/2018	701 NW	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Poince haffle assembly. Removed broken alternator mount
ENGINE REG. NO. N297CD Removed top	prart Maintenance Aviation S/N 35753 DATE: 2/6/2018 engine cowling a	701 NW	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 990.8 Removed broken alternator mount mgine baffle assembly. Removed broken alternator mount se #6 cylinder to alternator bracket. Installed new through bolt,
ENGINE REG. NO. N297CD Removed top assembly. Re DN: 652420-9	s/N 35753 DATE: 2/6/2018 engine cowling amoved engine to-80, 2 new O-rin	701 NW 35 and forward, left er through bolt that tie ags, PN: 630979-9	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket. PN: 657046, new alternator set A Reinstalled alternator using new shim, PN: 658616-3.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace. PN: 65	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to -80, 2 new 0-fir 4646, and new limited from the second se	and forward, left er through bolt that tie ags, PN: 630979-9, bolt, PN: MS90726	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount pas #6 cylinder to alternator bracket. Installed new through bolt, prew alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3. 3-64. Performed ground run, operational check was satisfactory.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace. PN: 65	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to -80, 2 new 0-fir 4646, and new limited from the second se	and forward, left er through bolt that tie ags, PN: 630979-9, bolt, PN: MS90726	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount pas #6 cylinder to alternator bracket. Installed new through bolt, prew alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3. 3-64. Performed ground run, operational check was satisfactory.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled fro RFF: Contine	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine to that Motors IO-3	and forward, left er through bolt that tie igs, PN: 630979-9. bolt, PN: MS90726 affle, and top cowl	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator, new alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3. 1. Performed ground run, operational check was satisfactory. 1. P-21.2.2, 10-5.3 &5.4, Continental Motors SPMM, Appendix B, long (trybodes@cmg, aero), Continental Motors IO 360 Series
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled fire. REF: Contine and Cirrus SF	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ontal Motors IO-3820 AMM, 24-30	and forward, left er through bolt that tie igs, PN: 630979-9, bolt, PN: MS90726 affle, and top cowl 60 M&OH Manual D, REF: Ted Rhod	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3 3-61. Reinstalled alternator using new shim, PN: 658610-3 3-61. Performed ground run, operational check was satisfactory. 1. Performed ground run, operational check was satisfactory. 2. 2. 2, 10-5.3 & 5.4, Continental Motors SPMM, Appendix B, dies (trhodes@cmg.aero), Continental Motors IO 360 Series 2. 2. 2 and 10-5.4.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled fr REF: Contine and Cirrus SE Engine Mainte	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine bental Motors 10-3820 AMM, 24-30 enance and Over	and forward, left er through bolt that tie igs, PN: 630979-9, bolt, PN: MS90726 baffle, and top cowl 60 M&OH Manual D, REF: Ted Rhod erhaul Manual, 17-2	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3 3-61. Reinstalled alternator using new shim, PN: 658616-3 41. Performed ground run, operational check was satisfactory. 1. T-2.2.2, 10-5.3 &5.4, Continental Motors SPMM, Appendix B, 1. House (trhodes@cmg.aero), Continental Motors IO 360 Series 2.2.2 and 10-5.4.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled fr REF: Contine and Cirrus SF Engine Mainto	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to end of the cowling emoved engine to end of the cowling emoved engine to end of the end of	and forward, left er hrough bolt that tie ngs, PN: 630979-9, bolt, PN: MS90726 paffle, and top cowl 60 M&OH Manual). REF: Ted Rhod erhaul Manual, 17-2	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator and the standard alternator using new shim, PN: 658616-3. I. Performed ground run, operational check was satisfactory. I17-2.2.2, 10-5.3 &5.4, Continental Motors SPMM, Appendix B, les (trhodes@cmg.aero), Continental Motors IO 360 Series 2.2.2 and 10-5.4. The current regulation of the Federal Aviation Administration. The current regulation of the Federal Aviation Administration. The current regulation of the rederal Aviation Administration.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled fr REF: Contine and Cirrus SF Engine Mainto	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine be neal Motors 10-3820 AMM, 24-30 enance and Over the state of the	and forward, left er through bolt that tie gs, PN: 630979-9, bolt, PN: MS90726 affle, and top cowling M&OH Manual, REF: Ted Rhoderhaul Manual, 17-3 ccordance with the with respect the vair station under ware	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount pas #6 cylinder to alternator bracket. Installed new through bolt, pas #6 cylinder to alternator bracket. PN: 657046, new alternator 3-641. Reinstalled alternator using new shim. PN: 658616-3 3-641. Reinstalled alternator using new shim. PN: 658616-3 3-641. Performed ground run, operational check was satisfactory. 1.17-2.1. 10-5.3. 85.4, Continental Motors SPMM, Appendix B, 1.17-2.2.2. 10-5.3. 85.4, Continental Motors IO 360 Series 2.2.2 and 10-5.4. Be current regulation of the Federal Aviation Administration. Work performed and is approved for return to service. Nork order: S94-18-00489.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled for REF: Contine and Cirrus SE Engine Mainto This article wa It was found to Details are on	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine bental Motors 10-3 220 AMM, 24-30 enance and Over the company of the airworthy of leat this repaired in action be airworthy of leat this repaired.	and forward, left er through bolt that tie gs, PN: 630979-9. bolt, PN: MS90726 boffle, and top cowled M&OH Manual D. REF: Ted Rhoderhaul Manual, 17-ccordance with the with respect the vair station under whether the station under which with respect the vair station under which we will be supported by the control of the c	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3. 3-61. Performed ground run, operational check was satisfactory. 1.7-2.2.2, 10-5.3 &5.4, Continental Motors SPMM, Appendix B, 1.7-2.2.2 and 10-5.4. The current regulation of the Federal Aviation Administration. Work performed and is approved for return to service. Work order: \$94-18-00489. Mom D Brian Kemp
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled for REF: Contine and Cirrus SE Engine Mainto This article wa It was found to Details are on	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine bental Motors 10-3 220 AMM, 24-30 enance and Over the company of the airworthy of leat this repaired in action be airworthy of leat this repaired.	and forward, left er through bolt that tie gs, PN: 630979-9. bolt, PN: MS90726 boffle, and top cowled M&OH Manual D. REF: Ted Rhoderhaul Manual, 17-ccordance with the with respect the vair station under whether the station under which with respect the vair station under which we will be supported by the control of the c	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3. 3-61. Performed ground run, operational check was satisfactory. 1.7-2.2.2, 10-5.3 &5.4, Continental Motors SPMM, Appendix B, 1.7-2.2.2 and 10-5.4. The current regulation of the Federal Aviation Administration. Work performed and is approved for return to service. Work order: \$94-18-00489. Mom D Brian Kemp
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled for REF: Contine and Cirrus SE Engine Mainto This article wa It was found to Details are on	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine to 1-80, 20 AMM, 24-30 enance and Over the street of the street	and forward, left er through bolt that tie gs, PN: 630979-9. bolt, PN: MS90726 boffle, and top cowled M&OH Manual D. REF: Ted Rhoderhaul Manual, 17-ccordance with the with respect the vair station under whether the station under which with respect the vair station under which we will be supported by the control of the c	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount pas #6 cylinder to alternator bracket. Installed new through bolt, pas #6 cylinder to alternator bracket. PN: 657046, new alternator 3-641. Reinstalled alternator using new shim. PN: 658616-3 3-641. Reinstalled alternator using new shim. PN: 658616-3 3-641. Performed ground run, operational check was satisfactory. 1.17-2.1. 10-5.3. 85.4, Continental Motors SPMM, Appendix B, 1.17-2.2.2. 10-5.3. 85.4, Continental Motors IO 360 Series 2.2.2 and 10-5.4. Be current regulation of the Federal Aviation Administration. Work performed and is approved for return to service. Nork order: S94-18-00489.
ENGINE REG. NO. N297CD Removed top assembly. Re PN: 652420-9 brace, PN: 65 Reinstalled for REF: Contine and Cirrus SE Engine Mainto This article wa It was found to Details are on	S/N 35753 DATE: 2/6/2018 engine cowling emoved engine to 1-80, 2 new O-rir 4646, and new ont, left engine to 1-80, 20 AMM, 24-30 enance and Over the street of the street	and forward, left er through bolt that tie gs, PN: 630979-9. bolt, PN: MS90726 boffle, and top cowled M&OH Manual D. REF: Ted Rhoderhaul Manual, 17-ccordance with the with respect the vair station under whether the station under which with respect the vair station under which we will be supported by the control of the c	B Wheeler Downtown Airport V Lou Holland Dr. Kansas City MO 64116 Model IO-360-ES HOBBS 990.8 Ingine baffle assembly. Removed broken alternator mount as #6 cylinder to alternator bracket. Installed new through bolt, new alternator mount bracket, PN: 657046, new alternator 3-61. Reinstalled alternator using new shim, PN: 658616-3. 3-61. Performed ground run, operational check was satisfactory. 1.7-2.2.2, 10-5.3 &5.4, Continental Motors SPMM, Appendix B, 1.7-2.2.2 and 10-5.4. The current regulation of the Federal Aviation Administration. Work performed and is approved for return to service. Work order: \$94-18-00489. Mom D Brian Kemp
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Date	Total	Time	1	e Since Overhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins
Brought Forward		-			Wouldnesd and Control of the Control
IO360E ENGINI REG. N	E MODEL: S6 E S/N: 35753 O: N297CD ORDER: 029	35		Mistwood 2404 Northline Maryland Hts. Phone: 314-99	, MO 63043
Engin Perform 01/2010 Perform Drained Cleaned Replace Installed details. I Replace M-0 man Installed Complied 70201-00 Installed	e Entries ed Continent Rev B8 19 ed engine co oil, removed gapped, tes d engine indi engine drive performed Ci t the followin uals. engine baffle with Cirrus 1 IAW Cirrus eft magneto.	sal Motors 10 Sep 2017 ai mpression of filter and to sted and insi- suction air filt in fuel pump ontinental Sig g rocker box disastener P. Mandatory Sis S SR20 AMM part numbe	nd Continent check results ok oil sample pected spark er, part numb after overhait 1010 97-3G Cox cover gask (N 641346. Service Bulle M 78-20. er 6314 IAW	ual Inspection I al Motors M-7 as follows: #1 b. Installed nev plugs, installe per BA24 per A uil complied with intinuous Fuel ets, part numbi	IAW Cirrus SR20 Aircraft Maintenance Manual part number 12137-001 Reissue B dated
their work Replaced	order 16671 oil pressure	regulator ho	able part tag ousing gaske	dated 23 Feb	2018 for details. MS35769-18 IAW Continental Motors M-7 and M-0. 100 Hour / Applied Inspection meeting the intent of 14 CFR 91 409 and Part 43 Appendix D
and has be	en determin	ed to be in a	an airworthy	condition and oted work orde	is approved for return to service. Pertinent details of the inspection repairs are on the atternation.
DATE: 27	March, 20	018	SIGNED	riman, IA: 278	Work Order: 0291 Printed by EBis 3 (datcomedia.com)
			John Mer	rimian, IA: 278	7167 Fillited by Ebis 5 (dates/inclusionity)
-5-2018 10	149.3				
and cut	oil oil	ani fil	aks Oter Se	e of the	spest 48108-2 - engine run Secult Sel 3275537 - owner spected for metal - none found o Black stone
5.2018 1	278	,9 h	on	25	
chang	ed o	181	ae c	77 Ju	maest 48108 2 Kgs 000/50 +
and a	Au cl	exd	for from	leak.	tal-none found. Cut oil filter
Samp	Ae -	HO.	Blac	Kito	ne for testing builded
	11/23		N297CI	O S/N 1232 0360ES	Total Time Hohbs 1113, 9
C	Rem R&R Obta	oved oil a oil filter v ined Blac	and replace with <u>Tem</u> kstone cil	ed with 7 opest CH4810 sample ho	ant Cirrus SR20 service manual age, none noted. Quarts of Phillips 20w 50 and 1 pint Camguard Aviatioin oil additive. 108-2, torqued and safety with 0.32 safety wire 10t, sent in. 10 defects at this time

Engine Service and Maintenance Record Total Time Time Since Installations, Inspections, Airworthiness Directives, Special Inspections, Date Last Overhaul Modifications and Service Bulletins Min. **Brought Forward** Date: 2-3-2019 N297CD S/N 1232 Total Time Hobbs [1467 Power Plant Make: Continental IO360ES All work completed IAW the current Cirrus SR20 service manual Inspected quick drain for any damage, none noted.

Removed oil and replaced with 7 quarts of Phillips 20w 50 and 1 pint Camguard Aviatioin oil additive. R&R oil filter with Tempest CH48108-2, torqued and safety with 0.32 safety wire Obtained Blackstone oil sample hot, sent in. Test ran engine, leak check noted no defects at this time ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 S/N: 357535 IO-360-ES(6)B Continental N297CD 100 Hour Inspection for Annual completed this date using the Cirrus SR20 Inspection Form as a guide. Hobbs Meter: 1166.0 Compression test: #1) 72/80, #2) 68/80, #3) 68/80, #4) 70/80, #5) 72/80, #6) 72/80. M.O.-46. Changed engine oil and filter (Phillips X/C 20W50). Cut oil filter open and inspected, no contaminates noted. Blackstone oil sample taken and submitted. Cleaned fuel injector nozzles. Inspected fuel injection system for component condition and security. Leak checked fuel system; no defects noted. Cleaned, gapped, tested, and rotated spark plugs. Installed test gauge and completed engine fuel setup in reference to CMI M-O. Adjusted low end fuel pressure and idle speed as needed. Fabricated and installed support on forward right baffle assembly. Disassembled lower lead of #5 and #6 spark plugs, adjusted shielding and crimped. Reassembled lead and reinstalled spark plugs. Checked and adjusted timing of magnetos to engine. Installed new induction air filter. Completed conformity inspection of previously installed battery charger wiring harness. Found to be installed using acceptable practices. Tightened alternator belt and bolt, safetied adjustment bolt. Removed RPM indicator, installed washer to prevent movement and reinstalled and safetied. Installed new oil cooler support shoe P/N: 632983. Installed two new rivets on oil cooler seal retainer. Installed new inboard bolt at forward right baffle. Fabricated and installed side brace for right baffle. Complied with 300 Hour Continental Fuel Injection Nozzle Servicing by removing injectors, inspecting and cleaning, no defects noted. Next service due Flight Hobbs: 1466.0. Complied with Cirrus AD 2008-11-18 (Exhaust System Leaks) effective 07-07-2008, by visual inspection and pressure testing of exhaust heat exchanger as outlined in Cirrus SB 2X-78-07 R1, no defects noted. Next exhaust heat exchanger inspection due at Hobbs Time: 1266.0. AD's checked through Biweekly 2019-07. 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 AIRWORTHY CONDITION. w/o 39983 L. John Wells A&P 3221132 N297CD S/N 1232 Total Time Hobbs 194.7 Power Plant Make: Continental IO360ES All work completed IAW the current Cirrus SR20 service manual Inspected quick drain for any damage, none noted. Removed oil and replaced with 7 quarts of Phillips 20w 50 and 1 pint Camguard Aviation oil addition R&R oil filter with Tempest CH48108-2, torqued and safety with 0.32 safety wire Obtained Blackstone oil sample hot, sent in. Test ran engine, leak check noted no defects at this time

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Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Time Since **Total Time** Date Last Overhaul Modifications and Service Bulletins Min. Min. **Brought Forward** _ N297CD S/N 1232 Total Time Hobbs_ Power Plant Make: Continental IO360ES All work completed IAW the current Cirrus SR20 service manual Removed oil and replaced with 7 quarts of <u>Phillips 20w 50 and 1 pint Camguard Aviatioin oil additive.</u>
R&R oil filter with <u>Tempest CH48108-2</u>, torqued and safety with 0.32 safety wire Obtained Blackstone oil sample hot, sent in. Test ran engine, leak check noted no defects at this time Date: 11-25-19 __ N297CD S/N 1232 Total Time Hobbs Power Plant Make: Continental IO360ES All work completed IAW the current Cirrus SR20 service manual Inspected quick drain for any damage, none noted. Removed oil and replaced with 6 quarts of Phillips 20w 50 and pint Camguard Aviatioin oil additive. R&R oil filter with Tempest CH48108-2, torqued and safety with 0.32 safety wire Obtained Blackstone oil sample hot, sent in. Test ran engine, leak check noted no defects at this time Date: 1 - 28 - 2020 N297CD S/N 1232 Total Time Hobbs Power Plant Make: Continental IO360ES All work completed IAW the current Cirrus SR20 service manual Inspected quick drain for any damage, none noted. Removed oil and replaced with 6 quarts of Phillips 20w 50 and pint Camguard Aviation oil additive. R&R oil filter with Tempest CH48108-2, torqued and safety with 0.32 safety wire Obtained Blackstone oil sample hot, sent in. Test ran engine, leak check noted no defects at this time Pilot #___3275537 ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N297CD Continental IO-360-ES(6)B S/N: 357535 Total Time: 1306.5 21 May 2020 Hobbs Meter: 1306.5 100 Hour Inspection for Annual completed this date using the Cirrus SR20 Inspection Form as a guide. Compression test: #1) 72/80, #2) 70/80, #3) 72/80, #4) 74/80, #5) 73/80, #6) 75/80. M.O.-48. No oil or filter change this inspection. Completed Borescope inspection of cylinders. Corrosion noted in all bores. Some crosshatch still evident. No scoring noted. No pooling of oil. Piston domes found to be damp. No signs of detonation noted. Checked timing of magnetos to engine. Inspected fuel injection system for component condition and security. Leak checked fuel system; no defects noted. Installed new set of (12) spark plugs P/N: RHM38E. Installed new induction air filter. Tightened nut on propeller governor control rod end and installed new cotter pin. (Continued) (Page 1 of 2)

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ARAPAHOE AERO 12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386 N297CD Continental IO-366-ES(6)B S/N: 357535 Total Time: 1306.5 21 May 2020 Hobbs Meter: 1306.5 (Page 2 of 2) Completed composite repair of induction 'Y' filter flange, installed 'Y' and rigged. Secured plug wires to prevent chaffing on back of left and right magnetos. Installed serviceable alternator main pivot bolt. Cleaned prevent chaffing on back of left and right magnetos. Installed serviceable alternator main pivot bolt. Cleaned oil pressure connectors and tightened ends. Adjusted suction regulator. Installed new outlet hose. 8800934, SN: 2089717. Torqued exhaust fitting on #1 vacuum pump and installed new outlet hose. (Exhaust System Leaks) effective 07-07-2008, by visual inspection and pressure testing of exhaust heat exchanger as outlined in Cirrus SB 2X-78-07 R1, no defects noted. Next exhaust heat exchanger exchanger as outlined in Cirrus SB 2X-78-07 R1, no defects noted. Next exhaust heat exchanger exchanger as outlined in Cirrus SB 2X-78-07 R1, no defects noted. Next exhaust heat exchanger inspection due at Hobbs Meter: 1406.5. AD? scheecked through Biweekly 2020-10. Post inspection engine inspection durn-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 INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED WITH A 100 HOUR INSPECTION AND WAS DETERMIN	

Date/	Total	Time		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,
11/20/20	Hrs.	Min.	Hrs.	Modifications and Service Bulletins

A/C Make:	Cirrus	EL AERO SERVICES, LLC.	Engine Make:	TCM
A/C Make:	T206H	815 Murray Way	Engine Model:	IO-360 ES
Reg. No.:	N297CD	Elko, NV 89801	S/N:	357535
S/N:	8830	F.A.A. Certificated Repair Station #9WQR7	91C Engine TT:	1393.3
Tach:	1393.3		S.M.O.H.:	1393.3
A/F TT:	1393.3	ENGINE LOGBOOK INSERT	W.O. #:	EKO-20-23440
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The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this agency.

1) - Performed 100 hour and a Annual inspection using TCM, Operation Manual M-O Rev. 1 dated Sep. 2019, and El Aero Services Form E-04. Next 100 hour due at 1493.3 TT. Next Annual due on or before 11/30/21. 2) - Changed Engine Oil and Oil filter, obtained and sent out sample for SOAP analysis. Serviced with 8 qts. Phillips 20W-50 oil and CH48108-1 filter. Cut open removed oil filter and inspected, no debris noted. 3) - Performed differential compression test, results recorded: Nbr.1 72/80, Nbr. 2 70/80, Nbr. 3 72/80, Nbr. 4 74/80, Nbr. 5 72/80, Nbr. 6 74/80. 4) - Removed, cleaned, inspected, gapped, and tested spark plugs. All tested good, reinstalled using new M-674 Gaskets. 5) - Removed, cleaned, and re-installed all fuel injectors. 6) - Noted engine dies at low RPM's. Trouble shoot: metered fuel flow reads low, engine will not idle below 1100 RPM, and is hard to start. Removed Fuel Pump P/N 649368-46A4 S/N B02GA211, sent to Quality Aircraft Accessories for overhaul, ref. their 8130-3 form dated 10/09/20, W/O# 068993. Also removed and sent to them the Fuel Flow Divider P/N 646508-10A6 S/N C02EA283 ref. their 8130-3 form dated 10/14/20, W/O#069109. Adjusted Low and High fuel flows and set idle to 900 RPM. Fuel System work done IAW TCM SID97-3 Rev. E dated 06/17/2008. 7) - Noted L/H Exhaust Header collector bracket broken, removed and welded bracket, reattached with new hardware and new Exhaust gaskets P/N RA970 IAW Cirrus AMM Chapter. 78-10 Section 2A. 8) - Operation and leak checked during extensive ground run up and taxi, no discrepancies were noted. I certify that this Engine has been inspected in accordance with an Annual and a 100-hour inspection and is in airworthy condition. Signed: Services, LLC 9WQR791C

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For repair station of El Aero Services, LLC.

Form EA-13

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05/03/2021 14353	Removed engine from Aircraft Con overhaul by Victor Aviation, Remove Tanis System from Aircraft and Engin For overhaul:
	overhaul by Victor Aviation Remark
	Tanis System from Aircract and Brain
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	Willarlavo Rto 32972M/
	#301609