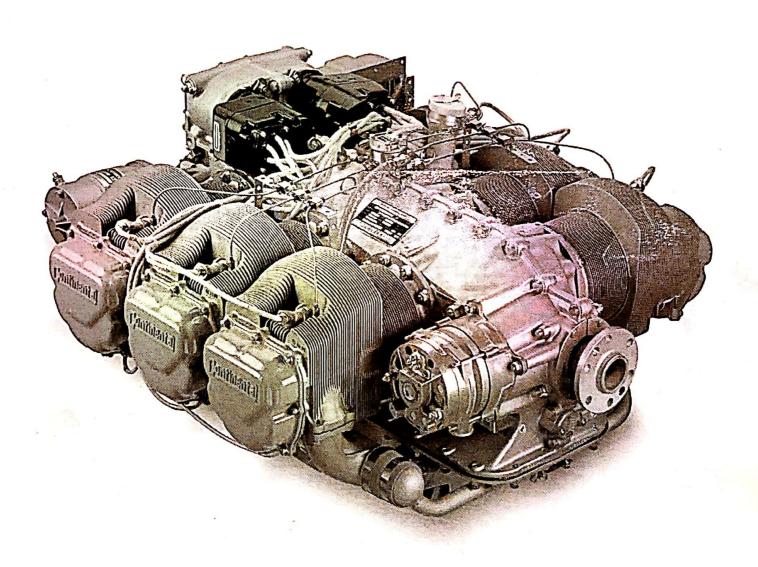
NGJEM

ENGINE LOG BOOK





Teledyne Continental Motors, Inc.

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., in Continental

A Teledyne Technologies Company Motors in accordance with aprile Printed: 06/13/2006 and applicable requirements of

This engine model 10360ES6

Part 21 of the Pedoral Assistion Regulation. The approved the lengths of the engine

, Serial No. 360207 was manufactured on 06/08/2006

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

	Total Time		200 克克·克克·克·克·克·克·克·克·克·克·克·克·克·克·克·克·克·克	Since verhaul	Engine Service and Maintenance Reco	ord
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins	ons,
8/8/06	26	7_	-	-	Changed the oil + filter. 80T 100	5
				Sub- School .	seroshell Mineral was added. Ran TI	he.
		ļ			Engine and cheeked for operation and	/
		ļ			lea Ks	
	_	 =		v	MAINTENANCE RELEASE The aircraft and/or component identified	
					accordance with current Federal Adollor	
					Regulations and is approved for return to service.	
	Î				Pertinent distalls of the party are as the st	
			1		this agency under work order: No. 216 6-16294 Date 818166	
					Signed History Market	
Vites programmer a successive	Shift Charles				G-Force Aviation, Inc.	
			1		Attor/Canton Regional Airport Building #17	
					North Canton, Ohio 44720 FAA Repair Sta. G25R2357	
MAKE: Cirrus						
MODEL: SR20 S/N: 1682	A		mmande			
REG. NO: N177PT WORK ORDER:	C	105	air Station No. 70 Springboro	Pike -	HOBBS 72.6	
27026-04-2007		Pho	misburg, Ohio ne: 888-881-5	45342 USA 580	Jo 11 CHAINE 49.4	
Airframe Entries						
(1) Changed oil & filter	r, serviced	with Aero	shell 15W5	0. (Tailwind	d Advantage 3917) Washed down engine and ran for leak check.	
4/30/2007. DATE: 4/30/2007		SIGNED:	Sin	-l. f	in file at this repair station under Work Order No. 27026-04-2007, Dated Work Order: 27026-04-2007	
	· +	Holland, Sus	an	•	Printed by ERis 3 (dateamedia com)	
		Certified Rep	oair Station No	. GA5R-876N		
NGINE MODEL : 10360 ES				-		
NGINE S/N: 360207		Com	mander /	Aero, Inc		
IGINE S/N: 360207 :G. NO: N177PT ORK ORDER:		Com Repair 10570	mander / Station No. G/ Springboro Pil	Aero, Inc ASR-876M	DATE: 7/11/2007	
NGINE S/N: 360207 EG. NO. N177PT ORK ORDER: 115-06-2007		Com Repair 10570 Marmis	mander /	Aero, Inc A5R-876M ke 342 USA	DATE: 7/11/2007 A/C TSN: 96.2 67.5 ENG IT: 30.2	
NGINE S/N 360207 E00 NO. N177PT ORK ORDER: 115-06-2007 Ingine Entries	eur Engine	Com Repair 10570 Mamis Phone:	mander / Station No. G/ Springbore Pil burg, Ohio 45: 888-881-5580	Aero, Inc ASR-876M Ke 342 USA	DATE: 7/11/2007 AC TSN. 96 2 67. S ENG TT: 90.2 HOBBS. 96 2 HOBBS. 96 2	
NGINE S/N 360207 EO/NO. N177PT ORK ORDER: 115-06-2007 Ingine Entries Complied with 100 Ho Took oil sample (11	our Engine	Com Repair 10570 Miamis Phone:	mander A Station No. GA Springboro Pil burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles	Aero, Inc ASR-876M (e 342 USA) inged engin	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS: 96.2 HOBBS: 96.2 The oil and filter. Serviced engine with Aero Shell 15W50, 8 qts CA (19) Washed oil residue at forward end of engine at	
NGINE S.N. 360207 EGN. NO. N177PT ORK ORDER: 115-06-2007 Ingine Entries Complied with 100 Ho Took oil sample (11 mishaft cover. Retorque e and installed new inte	our Engine O Cleaned O Cleaned A Cleaned A Cleaned A Cleaned A Cleaned	Repair 10570 Mamis Phone: Inspection fuel injection to (22) F	mander A Station No. G. Springbore Pil burg, Ohio 45: 888-881-5580 n (4) Cha for nozzles la after engine Repositioned	Aero, Inc ASR-876M (e 342 USA) anged engin per TCM IC erun. No ev	DATE: 7/11/2007 A/C TSN: 96.2 ENG TT: 50-2 HOBBS: 96.2 HOBBS: 96.2	
NGINE SM 360207 EGO NO. N177PT /ORK ORDER: 1115-06-2007 ngine Entries) Complied with 100 Ho) Took oil sample (11 mshaft cover. Retorqui le and installed new intal d tested spark plugs	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin	Repair 10570 Mamis Phone: Inspection fuel inject inspected t (22) fr named L/H	mander / Station No. G. Springboro Pi burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles after engine Repositioner mag to 24*	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Erun. No ev d#1 intake , R/H mag	DATE: 7/11/2007 A/C TSN. 96.2 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2	
NGINE SM 360207 EG. NO. N177PT /ORK ORDER: 7115-06-2007 Ingine Entries) Complied with 100 Ho) Took oil sample (11 mishaft cover. Retorqui te and installed new inta d tested spark plugs	our Engine 1) Cleaned botts. In ake gasket (36) Retin	Com 10570 Marris Phone: Inspection If uel inject Inspected Inspect	mander / Station No. G. Springbore Pil burg, Ohio 45: 888-881-5580 n (4) Cha cor nozzles after engine Repositioner mag to 24* with a 100 housired and insp	Aero, Inc ASR-876M ke 342 USA 342 USA 342 USA 341 Intake 341 Intake 341 Intake 341 Intake 341 Intake 341 Intake	DATE: 7/11/2007 AC TSN: 96.2 ENG TT: 30-2 HOBBS: 96.2	
NGINE SN. 360207 EG. NO. N177PT /ORK ORDER: 7115-06-2007 ngine Entries) Complied with 100 Ho) Took oil sample (11 mishaft cover. Retorqui de and installed new inta d tested spark plugs orbity that this engine was into aircraft and/or components cound Airworthy for return	our Engine 1) Cleaned botts. In ake gasket (36) Retin	Com 10570 Marris Phone: Inspection If uel inject Inspected Inspect	mander / Station No. G. Springbore Pil burg, Ohio 45: 888-881-5580 n (4) Cha cor nozzles after engine Repositioner mag to 24* with a 100 housired and insp	Aero, Inc ASR-876M ke 342 USA 342 USA 342 USA 341 Intake 341 Intake 341 Intake 341 Intake 341 Intake 341 Intake	DATE: 7/11/2007 A/C TSN. 96.2 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2	
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INGINE SN. 360207 EG. NO. N177PT WORK ORDER: 7115-06-2007 Ingine Entries C) Complied with 100 Ho C) Took oil sample (11 Installed new inta d tested spark plugs entity that this engine was ins s found Airworthy for return 2/2007.	our Engine 1) Cleaned et bolts. In alke gasket (36) Retirn spected in ac (s) on N176 to service. If	Repair 10570 Mamis Phone: Inspection If uel inject representation (22) Framed Little coordance in Programmed Little pertinent description (32)	mander / Station No. G. Springbore Pil burg, Ohio 45: 888-881-5580 n (4) Cha cor nozzles after engine Repositioner mag to 24* with a 100 housired and insp	Aero, Inc ASR-876M ke 342 USA 342 USA 342 USA 341 Intake 341 Intake 341 Intake 341 Intake 341 Intake 341 Intake	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2 HOBBS. 96.2 HO	
NGINE SN. 360207 EG. NO. N177PT VORK ORDER: 7115-06-2007 ngine Entries) Complied with 100 Ho) Took oil sample (11 mshaft cover. Retorqu be and installed new inta d tested spark plugs orbly that this engine was ins a aircraft and/or components of found Airworthy for return 2/2007.	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin spected in ac (s) on N1776 to service. If	Repair 10570 Marnis Phone Inspection fuel injection	mander / Station No. G. Springbore Pil burg, Ohio 45: 888-881-5580 n (4) Cha cor nozzles after engine Repositioner mag to 24* with a 100 housired and insp	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Tun. No eve d #1 intake r inspection a lected in accopair are on fill	DATE: 7/11/2007 A/C TSN. 96.2 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2	
NGINE SN. 360207 EG. NO. N177PT VORK ORDER: 7115-06-2007 ngine Entries) Complied with 100 Ho) Took oil sample (11 mshaft cover. Retorqu be and installed new inta d tested spark plugs orbly that this engine was ins a aircraft and/or components of found Airworthy for return 2/2007.	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin spected in ac (s) on N1776 to service. If	Repair 10570 Marnis Phone Inspection fuel injection	mander / Station No. G. Springboro Pil burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles after engine Repositioneu mag to 24* with a 100 hou aired and insp tals of the re-	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Tun. No eve d #1 intake r inspection a lected in accopair are on fill	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2 HOBBS. 96.2 HO	
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NGINE SN. 360207 EG. NO. N177PT VORK ORDER: 7115-06-2007 ngine Entries) Complied with 100 Ho) Took oil sample (11 mshaft cover. Retorqu be and installed new inta d tested spark plugs orbly that this engine was ins a aircraft and/or components of found Airworthy for return 2/2007.	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin spected in ac (s) on N1776 to service. If	Repair 10570 Marnis Phone Inspection fuel injection	mander / Station No. G. Springboro Pil burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles after engine Repositioneu mag to 24* with a 100 hou aired and insp tals of the re-	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Tun. No eve d #1 intake r inspection a lected in accopair are on fill	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2 HOBBS. 96.2 HO	
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NGINE SAN 360207 EGO NO. N177PT ORK ORDER: 115-06-2007 Ingine Entries Complied with 100 Ho Took oil sample (11 Inshaft cover. Retorque e and installed new inta it tested spark plugs tity that this engine was insaircraft and/or componentif (ound Airworthy for return 1/2007.	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin spected in ac (s) on N1776 to service. If	Repair 10570 Marnis Phone Inspection fuel injection	mander / Station No. G. Springboro Pil burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles after engine Repositioneu mag to 24* with a 100 hou aired and insp tals of the re-	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Tun. No eve d #1 intake r inspection a lected in accopair are on fill	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2 HOBBS. 96.2 HO	
NGINE S.N. 360207 EG. NO. N177PT /ORK ORDER: 115-06-2007 Ingine Entries Complied with 100 Ho Took oil sample (11 Inshaft cover. Retorque and installed new inta d tested spark plugs Intity that this engine was insaircraft and/or component of found Airworthy for return 2/2007.	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin spected in ac (s) on N1776 to service. If	Repair 10570 Marnis Phone Inspection fuel injection	mander / Station No. G. Springboro Pil burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles after engine Repositioneu mag to 24* with a 100 hou aired and insp tals of the re-	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Tun. No eve d #1 intake r inspection a lected in accopair are on fill	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2 HOBBS. 96.2 HO	
) Took oil sample (11 mshaft cover. Retorqui be and installed new inta d tested spark plugs eritry that this engine was inter- e gircraft and/or component	our Engine () Cleaned ed bolts. Ir ake gasket (36) Retin spected in ac (s) on N1776 to service. If	Repair 10570 Marnis Phone Inspection fuel injection	mander / Station No. G. Springboro Pil burg, Ohio 45: 888-881-5580 h (4) Cha tor nozzles after engine Repositioneu mag to 24* with a 100 hou aired and insp tals of the re-	Aero, Inc ASR-876M Ke 342 USA 342 USA Der TCM IC Tun. No eve d #1 intake r inspection a lected in accopair are on fill	DATE: 7/11/2007 A/C TSN. 96.2 ENG TT: 90.2 HOBBS. 96.2 HOBBS. 96.2 HO	

Date		Engine Service and Installations, Inspections, Airworthing Modifications and Service Rulletine	Maintenance Record ess Directives, Special Inspections,
Forward	ENGINE MODEL: 10360 ENGINE S/N: 360207	The state of the s	
	REG. NO: N177PT WORK ORDER: 27278-10-2007	Repair Station No. GA5R-876M 10570 Springboro Pike Miamisburg, Ohio 45342 USA Phone: 888-881-5580	DATE: 10/15/2007 A/C TSN: 145.2 ENG TT: 102.2 HOBBS: 145.2
	(1) Changed oil & Filte Washed down engine Maintenance Release	r. Serviced with Aeroshell 15W50. Cut open filter and inspect fand ran for leak check.	for particles (2) Took oil sample (3)
Control	The aircraft and/or componed was found Airworthy for ret 10/15/2007.	nent(s) on N177PT was repaired and inspected in accordance with currer urn to service. Pertinent details of the repair are on file at this repair stati	nt FARs rules of the Federal Aviation Regulations and on under Work Order No. 27278-10-2007, Dated
belled	DATE: 10/15/2007	SIGNED: LLL	Work Order: 27278-10-2007
		Holland, Susan Certified Repair Station No. GA5R-876M	Printed by EBis 3 (datcomedia.com)
	ENGINE MODEL:	Cirrus Design Factory Service Center	DATE 11/29/20

ENGINE MODEL	Cirrus Design Factory Service Center	DATE 11/29/2007
10360ES6 ENGINE S/N 360207	Repair Station No YD5R855Y	A/C TSN 171.5
REG. NO. 176PT	4515 Taylor Circle	ENG TT 171.5 HOBBS, 171.5
WORK ORDER 10324-11-2007	Duluth, MN 55811 Phone: 218- 788-3101	11355 11.3
Engine Entries		
(3) Performed engine cylin	der compression and boroscope inspections, no discrepancies noted on bo	FOCOSO INCOCATO CARROLLE CONTRACTOR CONTRACT
	0, #4 78/80, #5 78/80, #6 78/80, master orifice reading of 47, work perfor ection on oil filter no discrepancies found, work done IAW AMM ch. 12-10.	rmed IAW T.C.M. MM 1 (4) Removed cut open and
I have reviewed the file on t	his aircraft and the accompanying discrepancy forms. The aircraft, airfram	ne, aircraft engine, propeller, or appliance identified
	ce with current requirements of the Federal Aviation Administration and a list details of the inspection is on file at this Certified Repair Station No. CRS YE	
The second of th	O ~ M	DUR8931
DATE: 11/29/2007	SIGNED: Jane Muster	Work Order: 10324-11-2007
	Dave Ruuskanen	
	Certified Repair Station No. YD5R855Y	Printed by EBis 3 (datcomedia.com)
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No. 100 (100 (100 (100 (100 (100 (100 (100		

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	Of	1

ENGINE MODEL
JOSGUESG
ENGINE SAN 360207
REG NO 176PT
WORK ORDER
10345-12-2007

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y 4515 Taylor Circle Duluth, MN 55811 Phone. 218- 788-3101 DATE 12/17/2007 A/C TSN 172 4 ENG TT 172.4 HOBBS 172 4

Engine Entries

(5) Researched engine ADs through bi-weekly issue 2007-24, all ADs are incompliance at this time.... (11) Drained engine oil and removed oil filter, cut open oil filter and performed particulate inspection, no discrepancies noted on inspection. Installed new Champion oil filter P/N CH48108-1 and serviced engine with SQts of Aeroshell 15W50 oil, leak and operational check good. Work performed IAW cirrus mm chapter 12-10... (17) Removed and reinstalled heat exchanger correctly IAW SR20 AMM 78-20.

These reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS XD5R855Y.

DATE: 12/17/2007

Steven LaMourea
Certified Releair Station No. YD5R855Y

Work Order: 10345-12-2007
Printed by EBis 3 (datcomedia.com)

_	HERITAGE FLIGHT	CDSIGVDORON		
_	00.00	CRSIGXR9891 Engine		***
	09/05/2008	Englise		
_	212.4 Hobbs		N176PT	
	212.4 ACTT	212.4 ETT	W.O. SH07143 212.4 PTT	
	Compressions, 1) 76/80 2)77/80	3) 75/80 4)76/80 5) 76/80 6 77/80		
	 Changed oil and Filter. Ser filter for metal (routine-nor Cleaned and gapped spart) 	viced with 8 quarts of Aeroshell 15W/sne found). plugs. Checked magneto timing.		
	I certify that this Engine has be determined to be in AIRWORT James Proft for CRSIGXR9891		NUAL inspection and was	
	ioi enoidal(989)	Jams Pros		
_				- Manual I
_				
,	HERITAGE FLIGHT	CD SYCYID CO.		
-	LEIGHNOL I LIGHT	CRSIGXR9891 Engine	B. C.	A
	08/14/2009	Eligilie	N176PT	
	240.9 Hobbs		W.O. SH08876	
	240.9 ACTT	240.9 ETT	240.9 PTT	
-	Compressions, 1) 74/80 2)76/80	3) 72/80 4)74/80 5) 74/80 6 70/80	-	
	filter for metal (routine-nor	plugs Checked magneto timing.	_	
ř.	Cleaned fuel injectors and sChecked and set Fuel flows	screens. Replaced induction air eleme	ent with new P/N BA-24	
			- normal and an and area	
_	certify that this Engine has been determined to be in AIRWORT	en inspected in accordance with an Al	NNUAL inspection and was	
	lames Proft for CRSIGXR989E	fame		





N176PT - Cirrus SR20

S/N: 1682

Airframe: Hobbs 269.5

191.2 Flight Hobbs.

Engine Hours: 191.2

Engine TT: 191.2

Complied with the following items:

- Perform engine compression test 1) 77/80, 2) 75/80, 3) 74/80, 4) 77/80, 5) 75/80, 6) 77/80.
- Drain engine oil. Inspected engine oil filter for metal, (routine-none found) Install new oil filter PN CH48108-1 and safety.
- Clean, gap and rotate spark plugs, check magneto timing.
- Cleaned Fuel injectors and fuel screen.
- Service engine with 8 Qts of Aeroshell 15W50. Perform ground runs, check for leaks. No defects or leaks noted.
- Install new inter-baffle retension arm and spring PN 641346 and 641347 between cylinder #2 and # 4 IAW the TCM IO 360 CMM Ch 72-60.

I certify that this Engine has been inspected IAW an "ANNUAL" Inspection and was determined to be in Airworthy condition.

"The above items were complied with per the "Manufactures Maintenance Procedures". This aircraft/engine is "Approved for Return to Service" for work performed.

Date: 9/10/2010 Sign:

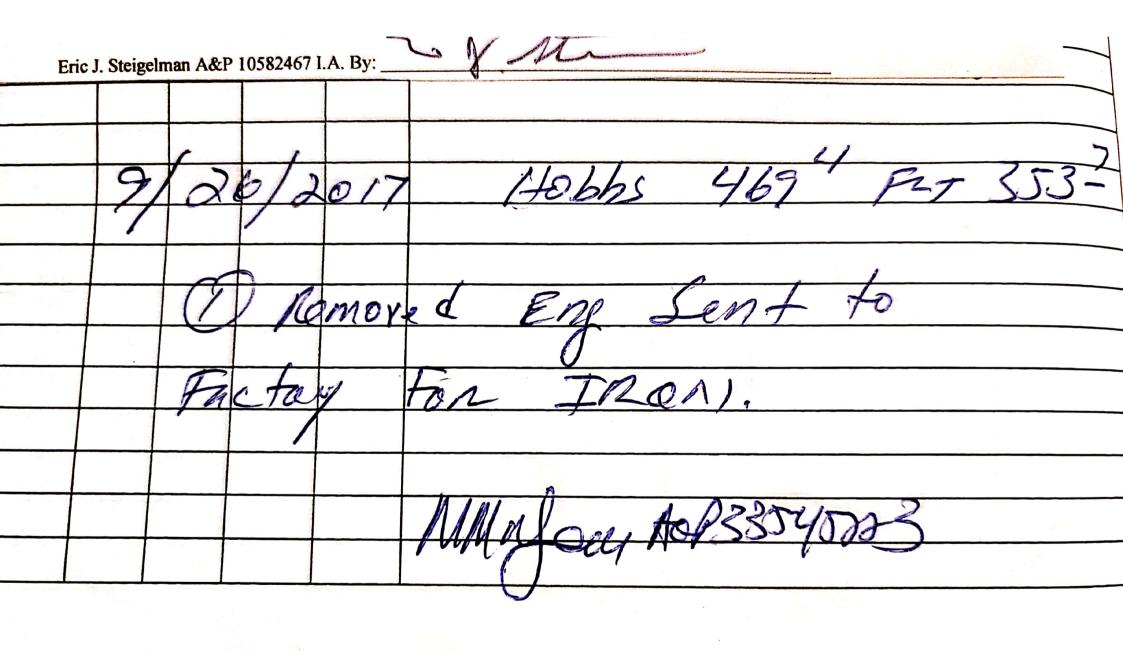
Cert# CRSIGXR989E WO#SH10616

Date	Total	l Time		Since verhaul	Engine Service and Maintenance Recor
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins
Brought Forward		→			
9-23-2011	211.	5			NexAir Avionics Annual Inspection - Engine September 23, 2011 N628M HOBBS: 0296.3 Completed an annual inspection in accordance with Cirrus OEM Checklist. Cleaned and lubricated all controls. Cleaned and gapped all spark plugs and performed differential compression test with the following results: 1: 78, 2: 80, 3: 80, 4: 75, 5: 78 and 6: 78. Updated the airworthiness directives through Biweekly issue 2011-14. Drained oil and replaced with AeroShell 15W/50. Removed oil filter, cut open and inspected, no discrepancies found. Checked internal timing on both magnetos. Engine run up and leak check per FAR 43.15 para. C2. Work order 814 on file. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be airworthy.

NEXAIR AVIONICS	Mansfield Airport(1B9) 265 Fruit St Mansfield, MA 02048 CRS# N4OR087B	N628M Oct 19, 2012 Hobbs: 352.2 Tach: 256.5 WO# 1310
	and the second	Engine
engine timing. Performed diff	ound. Cleaned and lubricated all ferential compression test with	the following results: 1.
engine timing. Performed diff 74/80, 2: 72/80, 3: 73/80, 4: 7	ound. Cleaned and lubricated all ferential compression test with 174/80, 5: 71/80 and 6: 75/80. Upsue 2012-21. Engine run and le	controls. C/W magneto the following results: 1: odated the airworthiness
engine timing. Performed diff 74/80, 2: 72/80, 3: 73/80, 4: 7 directives through Bi-weekly is	found. Cleaned and lubricated all ferential compression test with 174/80, 5: 71/80 and 6: 75/80. Upsue 2012-21. Engine run and le	controls. C/W magneto the following results: 1: odated the airworthiness eak check normal.
engine timing. Performed diff 74/80, 2: 72/80, 3: 73/80, 4: 7 directives through Bi-weekly is	ferential compression test with ferential compression test with factors of the fa	controls. C/W magneto the following results: 1: odated the airworthiness eak check normal.

	erhaul	Installations, Inst	pervice and Mainten pections, Airworthiness Directives	Special Inspections
3.	Min.	Modifications and	Service Rulleting	s, opeciai inspections,
	N E	E A I R	Mansfield Airport(1B9) 265 Fruit St Mansfield, MA 02048 CRS# N4OR087B	N628M Oct 24, 2014 Hobbs: 390.9 WO# 2344
	75/80 a directive and Oil 001) for	ind 6: 78/80 MO: 47. Compression test wound 6: 78/80 MO: 47. Compression test with the compressi	I IAW Cirrus SR20 & TCM IO-360 MM & Noith the following results: 1: 74/80, 2: 76, ileaned and lubricated all controls. Updassue 2014-21. Repaired #5 Exhaust Manif placed exhaust gaskets (PN 50889-001) at 5. Engine run and leak check normal.	/80, 3: 70/80, 4: 76/80, 5: ated the airworthiness fold. Changed oil (15W-50) and Exhaust Nuts (PN 50890-
in the		as so in an worthy	condition.	mispection and was
on a die	Authoriz	ed Signature	Chr My	to the state of th
See .	***************************************		CHRISTOPHER MOBERG	
- Pro House		And the second standards of the American Standards of the	Mansfield, MA 02048 CRS# N4OR087B	Hobbs: 396.3 Tach: 289.6 WO# 2896
*251×			VALC: CDDD D TOLLIG	MM Checklist. Performed
78 th	/80 and 6	6: 78/80. Cleaned ar weekly issue 2015-2	AW Cirrus SR20 & TCM IO-360 MM & ith the following results: 1: 76/80, 2: and lubricated all controls. Updated to 2. Drain and added 7 quarts of 15W-5	77/80, 3: 78/80, 4: 77/80, 5:
78 thi En	/80 and 6 rough Bi- gine run a	6: 78/80. Cleaned ar weekly issue 2015-2 and leak check norm	of the following results: 1: 76/80, 2: 3 and lubricated all controls. Updated the controls of 15W-5 and added 7 quarts of 15W-5 and a coordance with ann	77/80, 3: 78/80, 4: 77/80, 5: he airworthiness directives 50 and Oil Filter (CH48108-1
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		:11/1/16	Hob	bs:	417.2	Tach:	307.2	N 62	28M	Eng	ity980verizon.ne gine Annual	
F		ession Test	X/80	#I:	75 #	2: 76	#3:	75 #4	: 74	#5: 76	#6: 78	
E	ngine	SMOH:	417.2						Airf	rame Serial #:	1682	
Pe	1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Performed of Drained oil sample was this time. Removed al P/N M674. Retorqued a Removed fr MS29513-13 Complied with no defe Removed ar propeller cle 8.687". Rem Removed ar Removed ar Removed of Remo	and remove taken for a staken for and P/N with AD 20 cets noted. In a staken for a	on check ved filter analysis. ugs. Tes on, exhaur nozzles I NAS15 008-11-1 Applied d (5) nos icing airc replaced d engine d cranke and #6 e	on engine r to cut ope Serviced of Serviced of Serviced of Serviced of Serviced of Serviced of Services and soake to Service se gear puctant on sea of rebound to sea of services are forward exhaust roce	with the folken and inspece engine with the ted, set gaps the ted, set gaps deaned and reference and	t for contains Cuts of Act Replaced r hardware g solution. cinstalled firstem. Rem s and secur P/N 11879 IM 32-20 I I new P/N BA24.	as required. Cleaned and so relating the clamp harded clamp harded and so clamp harded clamp har	#2- 76/80, found. In oil. Ran new P/N erviced fur zzles and s L/H muffl ware and s all hardwa ballast as ecured and	#3- 75/80, #4- 74/ estalled new filter F up engine and leal RHM38E. Installed el strainer with new ecured lines. ler ball joint hardw afetied. are. Performed ins needed. Measured safetied.	80, #5-76/80, #6-78/80 P/N CH48108-1. Oil c checked - none found a ed others with new gask or oring and seal P/N are. Pressure checked pection check for propeller clearance @	at -
And the second of the second o	11. 12.	Removed al	ternator 2 /H and R/	bolts. R H magne	Reinstalled, etos. Remo	torqued and	safetied. aced gaske	ts with new. F		and timed to 24 de		_
	-1-						— Contin	ие				
And the second s	14. 15. 16. 17.	Removed and	d replaced linder #6 ii oil cap Pa cleaned er	crush ga ntake tub /N 64062 ngine	askets on oi bes and file 20-15.	il pressure re d damage on 016/19 Biwe	lief valve a tube flare.	nd oil sump sc Reinstalled w	reen. Secu	d secured hardware red and safetied. sket P/N 629925 an	and wiring. d secured hardware.	
						End				******************************		
The same and the s		been tested a	nd/or leak	checked	l as necessa	ry. This aircr	aft is appro	ved for return	to service v	nce manuals, All syswith the respect to to ovided to the owner	stems interrupted have he work performed.	
4		I certify that AIRWORTH	this Engin	e has he	en inspecte	d in accordan	ce with an	Annual Inches	ion and W	AS DETERMINED	TO RE IN	



DATE: ENGINE I.I. ENGINE MODEL: ENGINE S/N: November 17, 2017 360207 353.7 10360ES6B Continental Motors, Inc. CONTINENTAL MOTORS SERVICES INC. This engine delivered to Continental Motors Inc. for inspection and repair due to a cracked crankcase. This engine was disassembled and inspected in accordance with CMI overhaul manual M-7 Revision Dated September 2016 and CMI Procedures Manual M-0 Revision Dated July 2017. The following serialized items were installed: Crankcase SN S17AA021, Camshaft SN 328802. All Cylinders were disassembled and repaired to a serviceable condition and fit with new rings. Engine assembled in accordance with CMI Overhaul Manual M-7 Revision Date September 2016 using new seals, gaskets, "O" rings, new Crankshaft bolts and main bearings, new rod bolts, nuts circlips, plates, and rod bearings Applicable Service Bulletins and Airworthiness Directives have been complied with. COMPLIED WITH THE FOLLOWING AIRWORTHINESS DIRECTIVES: 97-26-17: Complied with by performing ultrasonic inspection. NEXT DUE: Next crankshaft removal. This engine has been tested in accordance with procedures listed in overhaul manual M-7 and Procedure Manual M-0 and has been accepted. I certify that this engine has been repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility. Work Order ES-7947. Complied with: CSB08-9A, M87-16, M87-23, M93-4, M93-8, MSB94-8D, MSB96-10B, SB07-1, SB09-14, SB653, SID96-6, 97-26-17. 9CER853B 9CER853B AUTHORN **MECHANIC:**

Date	Total Time	Time Si Last Over	rhaul	Engine	Ser	vic	e an	d Maint	enance Rec
	Hrs. Min.	Hrs.	Min.	Modification	s and S	uons	S, AlfWor	thiness Direc	enance Rec
Brought Forward	-					SI VIC	e Dullet	ins	
TWIN City	Airmotive In	C (KFIT) F	Fitchb	urg, MA 01	420 te	ı. o	70-245	STATE OF TAXABLE AND ADDRESS OF	
Duic. 1/23/10	Hobbs:	469.4	Tacl		St. Forth	(20	76-342	-8700 twind	city980verizon.net
Compression 7	est X/80 #1:	#2.					M	En	gine Annual
Engine SMOH	:		MARKETT.	#3:	1	14:	1. 1. 1. 1.	#5:	#6:
Performed the foll	Removed and		Tarach In	was wassing skilling	one rock little	(数)	Airfra	me Serial #:	1628
2. 3. 4. 5. 6. 7. 8. 9.	Continental Motors Motors, Inc appro- mounts. Installed to engine ground heat pressure sensor. In Connected "P" lead connected wires. Co installed and the alte mixture linkage, and Installed wire conne 79/80, #3 79/80, #4 Serviced repaired en Cleaned and gapped Adjusted magneto ti Cleaned and serviced Complied with AD 2 checked, no cracks o Removed and replace C/W ball joint check Cleaned ignition lead	nd sent to Cors, Inc work or val certificate paffles on enger that was restalled #2 altes and ground, onnected CHT ernator drive to the throttle links ectors at right 79/80, #5 79, agine with 8Q spark plugs a ming to 24 ded gascolator versions at right to 11-18 Lear leaks noted ed engine air on left and ris with solven	ntinental der no E 9CER8 ine. Co moved i emator, i tach driff probes belt was age. Ins rear baf/80, #6 its of Phand reins egrees B with new eak and at this tifilter wight exhaut.	Motors, Inc for ES-7947 dated N 53B. IO-360ES nnected hoses (in order to remo governor, and L ive pick up back and EGT probe adjusted. Check talled alternator Me. Performed 79/80. illips 20W50 ty stalled with new TDC. or oring and seal Exhaust System ime. th new P/N BA nust.	repair du lovember 6B s/n 36 fuel) that we engine and R ex of engine is and safe ked engine air duct. compress pe M oil. gaskets I P/N MS2 i. Inspect	were 17, 20 0207 were 10st haust e, and etied. He time Rewood ion check he were 19513-ed he	cracked ca 017. See 1. Installed removed talled oil of stacks. Of stacks. Of installed ning. Con orked igni hecks with	d engine on more in order to remove the following in order to remove the following in the f	int and torqued shock ove engine. Reinstalled emp probe and oil line manifold at sump. Installed #1 alternator and id hoses. Prop was air linkage, prop linkage, imped and tywrapped. Tesults, #1 74/80, #2
10. C 11. W 12. C	Covered cracked area Vashed and cleaned c VW Airworthiness Di	in firewall beingine irective researence	rch to 20	c fuel lines go th	irough wi	th 3M	∕l scalant	P/N AC240B2.	
work pe owner/ I certify	rcraft was inspected a oted have been tested erformed. Pertinent of operator. that this Engine has ORTHY CONDITION	letails are on	file at th	his agency unde	nis aircra	der no	approved o. 8218 ar	for return to ser	vice with respect to the een provided to the
Noel F.	Fisher A&P 190558	2 IA		To Ka	1		_		

	Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 twincity98@verizon.net	
	Data 3/13/10 77 17	
	Comment Tuchi. 550.1 IV 02014	
_	Compression Test X/80 #1: 73 #2: 77 #3: 71 #4: 77 #5: 73 #6: 78	
	Engine SREP: 4.4 Airframe Serial #: 1628	
	Performed the following annual inspection in accordance with FAR 43 Appendix D:	
	 Performed compression check on engine with the following results: #1-73/80, #2-77/80, #3-71/80, #4-77/80, #5-73/80, #6-78/80. Drained oil and took oil sample for analysis. Removed filter and cut open to inspect for contaminants - none found. Installed new time. 	
	3. Removed all spark plugs. Cleaned, set gaps, tested. Replaced (5) plugs with new P/N RHM38E and reinstalled others with new	
	4. Retorqued all induction, exhaust and rookes he	
	5. C/W AD 2008-11-18 and SB 2X-78-07-R1 by inspection and pressure check of heat exchanger with no defects noted at this time. Next inspection due at 458.1 Flight Hobbs.	
	Next inspection due at 458.1 Flight Hobbs. 6. Cleaned and serviced first strainer. By inspection and pressure check of heat exchanger with no defects noted at this time.	
	6. Cleaned, and serviced fuel strainer. Reinstalled with new stato-seal and secured. Inspected fuel injector nozzles and lines as	
_	7. Removed and replaced engine air filter with new P/N BA24.	
	o. Removed all engine noses firewall forward and contact C 1 11 1 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	details. Installed new hoses P/N AE3660001E0240, AE3660001E0332, AE3660061E0074, AE7010101G0354, AE7010101E0274, AE7010001E0225 and AE7010201E0142.	
	9. Cleaned and lubricated engine controls	
	10. Checked magneto timing as satisfactory at 24 degrees RTDC	
	11. Washed and cleaned engine.	
	12. C/W Airworthiness Directive research to 2019/5 biweekly issuance.	
	End	
-		
1	This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed.	
1	Pertinent details are on file at this agency under work order no. 8603 and a copy has been provided to the owner/ operator.	
-		
-	I certify that this Engine has been inspected in accordance with and Annual Inspection and WAS FOUND TO BE IN AIRWORTHY CONDITION.	
-	Raymond M. Pierce A&P 3079600	
-	Mark Maljanian A&P 33545223 IA	

Twin City Air	HOLLV	re in	C (KF)	(T) F	itchburg	, MA 01	420	tel: 97	78-342	2-8700	twinc	ity986	everizon.	net
Date: 5/1/2020	Hol	bbs:	482.	5	Flt:	362.2	N	628/					nnual	
Compression Test Engine SMOH: 3	X/80	#1:	78	#2.	79	#3:	76	#4:	79	#5:	77	#6:	74	- Park

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

- 1. Performed compression checks on engine with the following results: #1- 78/80, #2-79/80, 33-76/80, #4-79/80, #5-77/80, #6 74/80.
- 2. Drained engine and took sample for analysis. Removed filter and cut open to inspect for contaminants- none noted. Installed a new filter P/N CH48108-1. Serviced engine with 8 Qts of Phillips 20W50XC oil.
- 3. C/W AD 2008-11-18 per SB 2X-78-07R1 by inspection and pressure test of heat exchanger in accordance with manufacturer's instructions. Next inspection due Annual 2021/100hr.
- 4. Removed and disassembled gascolator and blew out screen with compressed air. Reassembled and reinstalled gascolator and turned fuel on to check for leaks none noted.
- 5. Removed all spark plugs. Cleaned, set gaps, tested and reinstalled all plugs with new gaskets P/N M674.
- 6. Retorqued all induction, exhaust and rocker box cover hardware as required.
- 7. Adjusted alternator belt tension as required.
- 8. Cleaned and lubricated engine controls as needed.
- 9. Checked magneto timing and both mags are satisfactory at 24 degrees BTDC.
- 10. Removed all fuel injector nozzles and soaked in carb cleaner. Cleaned injectors with soap and water. Reinstalled all injectors as needed and connected all fuel lines.

Date	Tota	l Time	Time : Last Ov		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives Service Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
ht Forward ·		-			Wednesday and Octate Bulletins
				-	
12. Washed 13. C/W Air	and clearworthine		e. ve research		B biweekly issuance.
been tes	ted and/o	or leak che	cked as nec	essary. Th	fordance with the manufacturer's maintenance manuals. All systems interrupted have his aircraft is approved for return to service with respect to the work performed. Perine r. no. 8981 and a copy has been provided to the owner/operator.
AIRWO	RTHY C	CONDITIC	ON.	ected in ac	cordance with an Annual Inspection and WAS DETERMINED TO BE IN
Mark Ma	anjaman A	A&P 335̄4	-5223 IA	1	<u> </u>
ENGIN	E LOC	:		STE	
1-15-2021			<u> </u>		
Make: Cirru			Eng. S/N		
Hobbs: 490.				: IO-360ES : 368.6	
			ттѕмон	:	
1 CAN AA	INILIAL	NODEOT	ION in one	ardanaa v	
			Cirrus AMN		vith FAR 43 de.
2. Remove	ed and o	cut open o	oil filter, ND	N installe	d new oil filter 20/50 Phillips ————————————————————————————————————
M mineral	oil.				
repaired co	ed all cy onnectin	linders ar g rods fro	nd connecti om Aircraft	ng rods. Specialtie	es see FAA
form 8130-	-3 dated	7 Jan 20	21		
Powermas	ter Aircr	raft Engin	/linders, P/ es, see FA	A form 81	30-3 dated
1-08-2021					
ا مصدد ا	4.41.4				
with (annu	al) inspe	ection and	been inspe was deter	ected in a mined to	ccordancebe in
airworthy o	condition	١.			
Kevin Pier	ron A&	P 334318	B9IA		
	11				
	pr				
	w w w	.STFF	LAVIAT	lon c	O M

Powermaster Aircraft Engines9	AUTHORIZED RE FAA Form 8130-3, AIR 027 S. Airport WayTulsa OK 74132	RWORTHINESS A	PPROVAL TAG	5. Work Order/Contract/Invoice Number: 21-0108
1	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
Cylinders 2. Remarks:	655479	6	See Block 12	Overhauled
SN's, AC06EB428, AC06EA	at Cylinders of America-Tulsa OK. round seats, lapped intake valve to aust springs, roto coils and valve rel A960, AC06EB011, AC06EA984, AC	tainers. Fit Nick C06EA973, ACO	el ring sets to barrels, install SEB405.	alled valves using new intake ed on pistons with new piston pins.
3a. Certifies the items identified above	e were manufactured in conformity to:	14a. 🗆	14 CFR 43.9 Return to Service	Other regulation specified in Block 12
3a. Certifies the items identified above Approved design data and an Non-approved design data sp	CC in a condition for safe operation.	Cer and Fee	tifies that unless otherwise specified i described in Block 12 was accomplis	Other regulation specified in Block 12 in Block 12, the work identified in Block 11 shed in accordance with Title 14, Code of sect to that work, the items are approved for
Approved design data and a	CC in a condition for safe operation.	Cer and Fec ret	tifies that unless otherwise specified i described in Block 12 was accomplis eral Regulations, part 43 and in resp	in Block 12, the work identified in Block 11 shed in accordance with Title 14, Code of
Approved design data and an Non-approved design data space. 3b. Authorized Signature:	re in a condition for safe operation. pecified in Block 12.	Cer and Fec ret tion No.: 14b. At	tifies that unless otherwise specified in described in Block 12 was accompliseral Regulations, part 43 and in respurn to service.	in Block 12, the work identified in Block 11 shed in accordance with Title 14, Code of sect to that work, the items are approved for 14c. Approval/Certificate No.:
Approved design data and an Non-approved design data space. 3b. Authorized Signature:	re in a condition for safe operation. pecified in Block 12. 13c. Approval/Authoriza	tion No.: 14b. Au	tifies that unless otherwise specified in described in Block 12 was accompliseral Regulations, part 43 and in resport to service.	in Block 12, the work identified in Block 11 shed in accordance with Title 14, Code of sect to that work, the items are approved for 14c. Approval/Certificate No.: P46R287Y
Approved design data and an Non-approved design data sp	re in a condition for safe operation. pecified in Block 12. 13c. Approval/Authoriza 13e. Date (dd/mmm/yyyy	tion No.: 14b. Au	tifies that unless otherwise specified idescribed in Block 12 was accompliseral Regulations, part 43 and in respond to service. Thorized Signature: There (Typed or Printed): The R. Cunningham	in Block 12, the work identified in Block 11 shed in accordance with Title 14, Code of sect to that work, the items are approved for 14c. Approval/Certificate No.: P46R287Y 14c. Date (dd/mmm/yyyy):

SO#	21-30587		DATE	02/04/2021					
REG.	N628M		Lincoln Municipal Airport [LNK]						
MAKE	TCM	MODEL							

Maintenance Record

- Ran engine to warm up oil. Drained oil and removed oil filter to cut open for inspection with no discrepancies
 noted at this time. Installed new CH48108-1 oil filter and 7 quarts X/C 20w50 engine oil. Engine run and leak
 check satisfactory. Reference TCM Standard Practices Manual M-0 Chapter 6-4.8.2
- Took oil sample using Avlabs kit P/N GA-001 and sent it out for analysis. Reference TCM Standard Practices Manual M-0 Chapter 6-4.8.4.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 21-30587 Date: February 04, 2021 .

Signed: Benjamin Taylor

, for

Silverhawk Aviation, Inc. CRS# YQSR759U

Lincoln, NE 68524

SO#	21-30836		DATE	04/08/2021
REG.	N628M		TACH	437.1
MAKE	TCM	MODEL	HOBBS	574.6

Maintenance Record

 Performed aircraft engine run, drained oil, removed oil filter; cut open to check for contaminants, none found. Installed new oil filter P/N: AA48108-1 and added 7 quarts of Phillips X/C20w50. Performed aircraft engine run, no leaks noted. Reference Cirrus SR20 maintenance manual 12-10.

2. Collected AvLabs oil sample and sent out for analysis. Referencing the AvLabs Oil Analysis Sampling Instructions.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: _21-30836 Date: _April 08, 2021 .

Signed: Benjamin Taylor , fo

Silverhawk Aviation, Inc. CRS# YQSR759U Lincoln, NE 68524

SO#	21-31311		SILVERHAWI	KAVIATION INC.	DATE	06/02/2021		
REG.	N628M		Lincoln Municipal Airport [6.78K]					
MAKE	TCM	MODEL	IO-360-ES	HOUR	620.9			

Maintenance Record - Engine

 Performed aircraft engine run. Drained oil and removed old oil filter. Cut open old oil filter to check for contaminants with no discrepancies noted at this time. Installed new oil filter (P/N: CH48108-1) and serviced with 7 quarts of Phillips X/C 20W50 oil. Ran engine for leak check with none noted at this time. Reference Continental Maintenance Manual Standard Practice M-0 Ch. 6-4.8.2.

2. Collected AvLabs oil analysis and sent in for testing. Reference Continental Maintenance Manual Standard Practice M-0 Ch. 6-4.8.4.

Signed: Benjamin Taylor

_, for

Silverhawk Aviation, Inc. CRS# YQSR759U

Lincoln, NE 68524

ord

ions.

SO#	21-31643		DATE	08/02/2021			
REG.	N628M		TACH	527.6			
MAKE	TCM	MODEL	IO-360-ES	SERIAL NO.	360207	HOUR	680.2

Maintenance Record - Engine

I certify this maintenance was inspected and is determined to be in an airworthy condition.

Pertinent details are on file under the noted Shop Order number: 21-31643 Dated: August 2, 2021

- Drained engine oil and removed oil filter (P/N CH48108-1); cut and inspected oil filter with no discrepancies noted at this time. Installed new oil filter (P/N CH48108-1) and serviced engine with 7 quarts of Phillips X/C 20W-50 oil. Performed ground run with no leaks noted at this time. Reference Cirrus SR20 Airplane Maintenance Manual Ch. 12-10.
- 2. Collected oil sample for contamination check and sent out for evaluation. Reference Continental M-O Manual 6-4.8.4 and 6-4.8.5 for procedures.

Silve	ed: <u>Benjamin Tay</u> rhawk Aviation, In			, for			
Linco	oln, NE 68524						
-							
No.	the region of the second of	and Page					