#### Service Information

Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service documents that may be pertinent to your engine model.

If Internet access is not available, contact our Customer Service Department at: 1-888-826-5465 Toll free in the United States or 1-251-436-8299 International

#### **Engine Returns**

Return engines for core credit with this log book to:
Continental Motors, Inc.
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:
Continental Motors, Inc.
Factory Service Center
8600 County Road 32
Fairhope, Alabama 36532 USA

USE ONLY FUEL SPECIFIED IN OPERATOR'S MANUAL OR TYPE CERTICATE DATA SHEET USE OF AUTOMOTIVE FUEL IS PROHIBITED



### **Continental Motors**

FAA PRODUCTION CERTIFICATE NO. 508

Printed:09/26/2018

Test Daten9/25/2018

This engine model I0550N68B, serial number 1036520 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

CONTINENTAL MOTORS, INC.

Form 6012-03 (Rev Sept 2014)

Warranty

This part (part number and serial number indicated below) is conditionally guaranteed to be free from defect in material and workmanship for three years from date of purchase. If any defect in materials or workmanship causes or contributes to this part not functioning properly, Tanis Aircraft Products will honor the warranty in the following manner:

- Contact Tanis Aircraft Products and provide information regarding the part's failure to perform and to receive a RMA form and return instructions.
- Provide the part number and serial number of the product.
- Tanis Aircraft Products will replace the defective part or parts, but will not be responsible for removal, reinstallation, or shipping of said part or parts.

#### Conditions of the warranty:

Part number:\_

- Part must be properly installed and signed off by a licensed A&P or equivalent.
- Part cannot be altered, converted, modified, repaired, neglected or used in any way not recommended by Tanis Aircraft Products.
- Damage to component caused by improper installation or removal from aircraft is expressly not covered by this warranty.
- Warranty card must have been properly completed, signed by purchaser, and installing mechanic within 60 days of the date of purchase.

TSFSR22-3052-115

→ Ship product PREPAID to Tanis Aircraft Products facility.

#### Return Product to:

Tanis Aircraft Products 18781 County Rd 22 Glenwood, MN 56334

Phone: 1-952-224-4425

WWW.TANISAIRCRAFT.COM

Serial number:	53209		s section with aircra	
•	TSFSR22-3052	2-115	Serial number_	53209
I have read the warran be valid this card must	ty of Tanis Aircraft Products, concerning thi be mailed and postmarked within 60 days	s product, I understand of date of purchase, sign	and agree to the terms and install	stated therein. To ing mechanic.
Owner's Name:		Date Installed:		
Owner's Address:		Aircraft Make:		
_		Aircraft Model:		
		Aircraft Serial:		
Owner's email		A/C Time in Service	ce:	
Owner's Phone Nur	mber:	A/C Registration n	number:	
Technician Name:_		Engine Make:		
Technician Cert. #:		Engine Model:		
Technician Signatu	re:	Engine Serial #: _		
		Engine Time in Se	ervice:	
* Warran	ty card may also be faxed (952-224-442)	6) or scanned and ema	ailed to info@tanisaircr	aft.com.





Form No. QA-85A (Rev Sept 2014)

### Continental Motors

Engine Component Information Sheet

Printed: 09/26/2018

Serial:1036520

Spec: I0550N68B

New/Rebuilt:(NEW)

Assembled: 09/21/2018

Shipped: / /

Packed: 09/26/2018

Customer Name: CIRRUS DESIGN CORPORATION
Shipping Address: DULUTH INTERNATIONAL AIRP

Component	Serial Number	Component	Serial Number
CAMSHAFT	402722	OIL COOLER	G18-14781-389
CRANKSHAFT	N18GA023	CYLINDER-1	AC18FA555
CRANKCASE	R18GA015	CYLINDER - 2	AC18GA794
CONNROD	AE18GA313	CYLINDER - 3	AC18HA444
CONNROD	AE18GA316	CYLINDER - 4	AC18HA878
NNROD	AE18GA277	CYLINDER - 5	AC18FA565
CONNROD	AE18GA320	CYLINDER - 6	AC18FA543
CONNROD	AE18GA304	NOZZLE - 1	1234
CONNROD	AE18GA303	NOZZLE - 2	2234
L MAGNETO	D18HA138	NOZZLE - 3	3239
R MAGNETO	D18HA128	NOZZLE - 4	4236
FUEL PUMP	В18НА005	NOZZLE - 5	5236
MANIFOLD VALVE	C18HA010	NOZZLE - 6	6229
METERING UNIT	A18HA247		
STARTER	H-S07523		
ALTERNATOR	H-S072979		



CMI 67

Pack Inspection Stamp

All of the information provided herein is subject to verification by the user.

All of the information provided herein is subject to verification by the user.

Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

	A STATE OF THE PARTY OF THE PAR
Engine Model	IO-550N68B
Serial#	1036520
Test Document	TH-3215 Rev K
Software/Form Release#	2.03, 05/12/17
Start Time	9/25/2018, 09:20:23
Accepted Time	9/25/2018, 11:49:03
Cell# & Operator	5, 30683
Sea Level Power	310 HP @ 2700 Prop RPM
Vapor Pressure	0.87 in HG
Temp, Wet Baro	81.28 F, 30.07 in HG



#### **Continental Motors**

Aircraft Engine Standard Acceptance Test Log (Form TH-125)

Test Club#	D2258A
Rard Pitch	20+5
Actual Pitch	20
Mixture Check	Pass
Alternator Check	

Mag Data	Required	Actual
Eng Speed Both	2100	2096
Eng Speed Right	N/A	2042
Right Mag Drop	150	54
Eng Speed Left	N/A	2055
Left Mag Drop	150	41
Mag Drop Spread	50	13
Fuel Flow (Ref.)	62	63

Note: Magneto check between Run 2 & 3

			Run 8
0:01:18 10:11:50	10:26:39	10:32:33	11:39:09
10:00 10:00	01:00	10:00	05:00
10:00 10:00	02:07	10:00	05:00
36-2786 2504-2529	575-625	2493-2518	2499-2524
2779 2516	625	2507	2510
6.2-29.2 N/A	18.5 MAX	N/A	N/A
27.9 23.0	12.2	22.6	22.8
N/A N/A	N/A	N/A	N/A
30.1 30.1	30.1	30.1	30.1
4.7-164.7 108.5-124.5	N/A	N/A	N/A
160.1 110.9	7.0	108.2	109.5
1.1-21.7 12.0-13.2	N/A	N/A	N/A
21.7 13.1	3.7	12.9	13.1
0.0 REF N/A	8.0-10.0	N/A	N/A
31.3 30.2	8.6	30.4	30.2
N/A N/A	N/A	N/A	N/A
67 71	69	66	65
N/A N/A	N/A	N/A	N/A
89 93	86	89	91
80-240 165-240	140-240	165-240	165-240
		177	168
200 208	197		30.0 MIN
2.9-53.9 30.0 MIN	13.1 MIN	30.0 MIN	
48.0 44.3	22.6	52.6	55.6
50 MIN 250 MIN	N/A	250 MIN	250 MIN
60 MAX 460 MAX	460 MAX	460 MAX	460 MAX
373 382	262	295	286
418 419	261	339	337
349 349	251	304	291
351 359	241	288	279
354 352	223	296	292
283 286	186	250	250
3.2 MAX N/A	N/A	N/A	N/A
-0.1 -0.2	-0.3	-0.1	0.0
3.	354 352 283 286 2 MAX N/A	354 352 223 283 286 186 2 MAX N/A N/A	354 352 223 296 283 286 186 250 2 MAX N/A N/A N/A





	Total Time in			Aircraft Serial Number			
Date	Service	Total Time Since Overhaul	Tach or recording Meter Time	Signature and	Description of work performed Certificate Number of Person Performing Worl		
				TOTALS brought	Forward from Previous Page		
	DRAINEI ADDED LEAKS D	DOIL AND TOO OT QTS OF PHILLI ETECTED.  work was accomputer's traintenance	K OIL SAMPLE. I PS 20W50. PER lished in accordance instructions. Det LLC Company L	N181MC  NSTALLED A NEW A FORMED ENGINE RICE with current Federal alls of work performed under work order 1431.	FLIGHT: 22.9 HR HOBBS: 29.7 HR  A48108-2 OIL FILTER. JN-UP TO LEAK CHECK. NO  Aviation Regulations and are on file at Deblois Aerospace  A Date: 12/12/2018		
				) AIRPARK ROAD GAITHER	SBURG MD 20879 (301)-641-4657		
	MODEL	CONTINENTAL : 10-550-H68 #: 1036520		N181MC	FLIGHT: 69.2 HR HOBBS: 85.7 HR		
	ADDED	D OIL AND TOO 7 QTS OF PHILL ETECTED.	PK OIL SAMPLE. IPS 20W50. PER	INSTALLED A NEW RFORMED ENGINE	AA48108-2 OIL FILTER. RUN-UP TO LEAK CHECK. NO		
		urer's maintenanc	LLC Company	etails of work perform under work order 146			
	Signatur	Lena Gafner	Certifica	te #: 3811092 A&F	P/IA <b>Date:</b> 01/08/2019		
+			s	UB-TOTALS this	Page		
					ward to next page		





Aricraft Re	aft Registration Number:			Aircraft Seria	al Number			
Date	Total Time in Service	Total Time Since Overhaul	Tach or recording Meter Time	Signature and	Description of work performed Certificate Number of Person Perfor	ming Work		
				TOTALS brought	Forward from Previous Page			
	DEBLO	OIS AEROSPA	ACE LLC 7940	AIRPARK ROAD GAITHER	SBURG MD 20879 (301)-641-4657 —			
	MODEL	CONTINENTAL : IO-550-H68 #: 1036520		N181MC	FLIGHT: 22.9 HR — HOBBS: 29.7 HR —			
	ADDED	DRAINED OIL AND TOOK OIL SAMPLE. INSTALLED A NEW AA48108-2 OIL FILTER.  ADDED 7 QTS OF PHILLIPS 20W50. PERFORMED ENGINE RUN-UP TO LEAK CHECK. NO LEAKS DETECTED.						
			ce instructions. De		al Aviation Regulations and ed are on file at Deblois Aerospace 1			
	Signatu	Lena Gafprey	Certifica	te #: 3811092 A&F	P/IA <b>Date:</b> 12/12/2018			
					1 or 2	•		
	MA MO SER	Dyne AeroServices, KE: Cirrus DEL: SR22 RIAL NO.: 4720 GISTRATION NO		WOR TOTA TAC	E: 03/11/19 RKORDER: 19-03-001 AL TIME: 128.1 H TIME: 106.8 TIME: 106.8			
	Mai 2. A 3. C 4. I 5. R 6. I	ntenance Manual. AD research compl Compression check Drained oil, oil san Lemoved oil filter a	Engine model: To leted using the FA ked #1-76/80, #2-76 aple taken. and cut open, no m P/N: AA48108-2,	torqued and safetied.	1036520 ch 11, 2019.			
	Thi acc for Orc Date	s aircraft and or c	omponent identifi ent manufacturer	ed above was repaire s maintenance manua	d and inspected in ils and was found airworthy e at agency under Work			
	For	r AvDyne AeroSen	vices LLC CRS #Y	7NR985Y				
	T			SUB-TOTALS thi				
				TOTALS-Carry fo	orward to next page			





Date	<b>Total Time in</b>	<b>Total Time Since</b>		Aircraft Serial Number
	, Service	Overhaul	Tach or recording Meter Time	Description of work performed Signature and Certificate Number of Person Performing Wor
	MODE SERIA REGIS	te AeroServices, LI C: Cirrus EL: SR22 LL NO.: 4720 STRATION NO.: I	N181MC	DATE: 03/11/19 WORKORDER: 19-03-001 TOTAL TIME: 128.1 TACH TIME: 106.8 TSN TIME: 106.8
	9. Rer 10. Ac 11. Er 12. G	noved, cleaned and ljusted LH exhaus Igine washed. Tound run engine	d reinstalled fuel in t ball joint tension	ajectors IAW Cirrus Maintenance Manual. IAW Cirrus M/M.  sters normal. Leak check okay.
	for re Order Date: Signe	turn to service. Per No.: 19-03-001 03/11/19	ertinent details of t	above was repaired and inspected in naintenance manuals and was found airworthy he repair are on file at agency under Work
	FOR A	vDyne AeroServic	ces LLC CRS #Y7N	R985Y
	DEBLO	DIS AEROSPA	ACE LLC 7940 A	IRPARK ROAD GAITHERSBURG MD 20879 (301)-641-4657
	MODEL	CONTINENTAL : IO-550-H68 #: 1036520	7340 A	N181MC FLIGHT: 155.1 HR HOBBS: 188.8 HR
		D OIL AND TOO 7 QTS OF PHILLI ETECTED.	K OIL SAMPLE. II PS 20W50. PERI	NSTALLED A NEW AA48108-2 OIL FILTER. FORMED ENGINE RUN-UP TO LEAK CHECK. NO
	All manufact Signatur	1	LLC Company	with current Federal Aviation Regulations and ails of work performed are on file at Deblois Aerospace under work order 1582.  e #: 3811092 A&P/IA Date: 05/02/2019
		†	<i>v</i>	
				SUB-TOTALS this Page





Aricraft Regi	stration Numb	mber				
Date	DEBLOIS A	AEROSPACE		RK ROAD GAITHERSBURG MD 2		med n Performing Work
T. Carlot	MAKE: CONT MODEL: 10-5 SERIAL #: 10	550-H68	N1	81MC 	FLIGHT: 207.2 HR HOBBS: 251.5 HR	s Page
	DRAINED OIL ADDED 7 QT LEAKS DETEC All work manufacturer's					
	MAKE: MODEI SERIAL			DATE: 07/02/2 WORKORDE A/C TOTAL T TACH TIME: TSN TIME: 2	R: 19-06-012 TIME: 264.9 217.6	
	Mainten 2. AD re 3. Comp 4. Drain 5. Remo 6. Instal	ance Manual. Engesearch completed	gine model: TCM l using the FAA w f1-74/80, #2-74/80, taken. ut open, no metal : AA48108-2, torq	on engine in accordance wit IO550N68B; S/N: 1036520 eb-site dated June 20, 2019, #3-72/80, #4-76/80, #5-74/8 found. Jued and safetied.	h Cirrus	
	for retur Order N Date: 07 Signed:	rn to service. Perti o.: 19-06-012 //02/19	inent details of the	bove was repaired and inspirite and inspirite and was e repair are on file at agence are pair ar	a found almosther	
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	Total Time in			Aircraft	Serial Number	
Date	Service	Total Time Since			Description of work performed	
	100	Overhaul	Meter Time	Signature	and Certificate Number of Person Perf	forming Work
	AvDyn	e AeroServices, L	TC		2 -2	
	MARK	: Cirrus	and the second	D	2012	
	MODE	L: SR22		DA W	ATE: 07/02/19	
	RECIS	L NO.: 4720		A/9	ORKORDER: 19-06-012 C TOTAL TIME: 264.9	
	The state of the s	TRATION NO.:	N181MC	TA	CH TIME: 217.6	
	1 .			TS	N TIME: 217.6	
	8. Spar	rk plugs removed	, cleaned, inspected	d, gapped, and te	sted. Reinstalled plugs with new	
	9. Adi	usted LH & RH	whoust ball !		prago with new	
	10. En	gine washed.	exhaust ball joint to	ensions IAW Cir	rus maintenance manual.	
	11. Gro	ound run engine	Operation			
	///////////////////////////////////////			/////END//////////////	y. 	
	accord	ance with curren	ponent identified	above was repair	red and inspected in	
					red and inspected in uals and was found airworthy ile at agency under Work	
			runent details of th	ne repair are on t	ile at agency under Work	
	Date: 0	7/02/19				
1	Signed	: 1)				
		- Or	aget that			
	For Avi	Dyne AeroService	LLE CRS #Y7NR	R985Y		
I	T	1				
					941 - 41	
1						
	<ul><li>DEBLOIS</li></ul>	SAEROSPA	CE LLC 7940 AIR	PARK ROAD GAITH	ERSBURG MD 20879 (301)-641-4657	
					20079 (301)-041-4037	
		NTINENTAL	N	1181MC	FLIGHT: 297.8 HR	
1	MODEL: IC	D-550-H68			HOBBS: 359.2 HR	
	SERIAL #: 1	1036520				
	DRAINED (	OIL AND TOOK	OIL SAMPLE. INS	STALLED A NEV	N AA48108-2 OIL FILTER.	ū.
					E RUN-UP TO LEAK CHECK. NO	
	LEAKS DET					
-+			hed in accordance	with current Fed	eral Aviation Regulations and	
	manufacture	r's maintenance i	instructions. Detail	ls of work perform	med are on file at Deblois Aerospace	
			LLC Company und			
		1 11			-	
	Signature:	Tera Jafu	Certificate	#: 3811092 A8	RP/IA <b>Date:</b> 09/26/2019	
	-	Lena Gaméy//	0			
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### AvDyne AeroServices, LLC

10F2

20F2

MAKE: Cirrus **MODEL: SR22** SERIAL NO.: 4720

REGISTRATION NO.: N181MC

DATE: 10/21/19

**WORKORDER: 19-10-005** A/C TOTAL TIME: 381.7 **TACH TIME: 316.4** 

**TSN TIME: 316.4** 

- 1. Completed 100 hour/Annual inspection and 300 hour inspection items on engine in accordance with Cirrus Maintenance Manual. Engine model: TCM IO550N68B; S/N: 1036520
- 2. AD research completed using the FAA web-site dated Oct 15, 2019.
- 3. Compression checked #1-76/80, #2-74/80, #3-74/80, #4-72/80, #5-72/80, #6-74/80.
- 4. Drained oil, oil sample taken.
- 5. Removed oil filter and cut open, no metal found.
- 6. Installed new filter P/N: AA48108-2, torqued and safetied.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturers maintenance manuals and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 19-10-005, Date: 10/21/19.

Signed:

For AvDvne Aero Services LLC CRS #Y7NR985Y

#### AvDyne AeroServices, LLC

DATE: 10/21/19 **MAKE: Cirrus** 

**WORKORDER: 19-10-005 MODEL: SR22 SERIAL NO.: 4720** A/C TOTAL TIME: 381.7 **REGISTRATION NO.: N181MC TACH TIME: 316.4** 

**TSN TIME: 316.4** 

7. Serviced with 8qts of Phillips 20W50 oil.

- 8. Spark plugs removed, cleaned, inspected, gapped, and tested. Reinstalled plugs with new gaskets P/N: M674.
- 9. Remove fuel injectors. Cleaned, inspected, and reinstalled with new seals P/N: 630979-9, 640612, X1473, and 628556 IAW Cirrus maintenance manual. Leak checked Okay.

10. Engine washed.

11. Ground run engine. Operation normal. Leak check okay.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturers maintenance manuals and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 19-10-005, Date: 10/21/19.

Signed:

For AvDyne AeroServices LLC CRS #Y7NR985Y







iorare ite	istration Number: Aircraft Serial Number					
Date	Total Time in	<b>Total Time Since</b>	Tach or recording			
MANAGE CO.	Service	Overhaul	Meter Time	Description of work performed		
				Signature and Certificate Number of Person Perf	orming Work	
	AvDyne AeroServices, LLC					
	MAKE: Cirrus					
	MODEL: SR2	2		DATE: 01/09/2020		
	SERIAL NO.:	4720		WORKORDER: 20-01-008		
	REGISTRATIO	ON NO.: N181M(	7	A/C TOTAL TIME: 448.2		
	+			TACH TIME: 370.5		
	1. Ground run	engine to normal	Operating oil tem	TSN TIME: 370.5		
	3. Kemoved oil	filter and out one	en, no metal found	I.		
	T Tribeatica liev	V HITER P/N· A A A (	2100 2 4	 nd safetied		
	t or combited Mi	In Cirrus Manda	town Committee D II	etin SB2X-71-33 dated Nov. 01, 2019.		
	084 deted De	ding modification	to all engine cyli	nders IAW TCM Service Bulletin SB18-		
	AC18CA704 #	10, 2018, revised	Nov. 01, 2019. Cy	nders IAW TCM Service Bulletin SB18- linder serial#s: #1-AC18FA555, #2-		
	7. Ground was	8- AC18HA444, #	4- AC18HA878, #	linder serial#s: #1-AC18FA555, #2- 5- AC18FA565, #6- AC18FA543.	-	
		Bine. Ecak che	ck okay.			
	This aircraft an	d or component	identified above v	vas repaired and inspected in		
		an carrein manin	actiirare maintane	1000 1000 111 1 1 1		
	for return to se	rvice. Pertinent d	letails of the rona	ir are on file at agency under Work		
	Order No.: 20-0	1-008, Date: 01/0	9/2020	if are on file at agency under work	20	
	Signed:	canth				
	For AvDyne Ae	roServices LLC (	PS #V7ND00EV			
		TO STATE OF LEG (	710 #17141C3031			
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	AvDy	ne <i>AeroSer</i>	vices LLC	10F2		
			rices, LLC			
$\overline{}$	MAIZE	C'				
	MAKE:			DATE: 05/01/2020		
$\overline{}$	MODEI SEDIAI	L: SR22 L NO.: 4720		WORKORDER: 20-04-004		
	REGIST	TRATION NO.: N	181MC	A/C TOTAL TIME: 493.6		
	,, 12010		1011110	TACH TIME: 409.1 TSN TIME: 0.0		
	1. Com	pleted 100 hour/ar	nual inspection of	n engine in accordance with Cirrus		
	Mainten	ance Manual. En	gine model: TCM	IO550N68B: S/N+ 1036520		
	2. AD re	esearch completed	using the Zook's.	AD ToolBox dated April 21, 2020		
	3. Comp	pression checked #	<i>‡</i> 1-76/80, #2-74/80,	#3-72/80, #4-74/80, #5-72/80, #6-76/80. Master		
	Ortice =	48.				
		ed oil, oil sample		C		
	5. Kemo	ved oil filter and c lled new filter P/N	ut open, no metal	tound.		
	inis air	craft and or comp	onent identified a	bove was repaired and inspected in		
	accorda	ince with current	manutacturers ma	intenance manuals and was found airworthy		
	for retu	m to service. Pert	inent details of the	e repair are on file at agency under Work		
	Orger N	o.: 20-04-004, Dat	e: U5/U1/2020.			
	01	16	197			
- 1	Signed:	Mayon	11186			

#### AvDyne AeroServices, LLC

20FZ

MAKE: Cirrus MODEL: SR22 SERIAL NO.: 4720 REGISTRATION NO.: N181MC DATE: 05/01/2020 WORKORDER: 20-04-004 A/C TOTAL TIME: 493.6 TACH TIME: 409.1 TSN TIME: 0.0

- 7. Serviced engine with 8qts of Phillips 20W50 oil.
- 8. Spark plugs removed, cleaned, inspected, gapped, and tested. Reinstalled plugs with new gaskets P/N: M674.
- 9. Replaced #1 cylinder exhaust pipe with new pipe P/N: 15080-001; gasket P/N: 652458, and associated hardware IAW Cirrus maintenance manual. Leak checked Okay.
- 10. Ground run engine. Engine operating parameters normal. Leak checked okay.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturers maintenance manuals and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 20-04-004, Date: 05/01/2020.

Signed: For AvDvne Aeroservices LLC CRS #Y7NR985Y

#### AvDyne AeroServices, LLC

MAKE: Cirrus MODEL: SR22 SERIAL NO.: 4720 REGISTRATION NO.: N181MC DATE: 08/17/2020 WORKORDER: 20-08-006 A/C TOTAL TIME: 556.0 TACH TIME: 460.3 TSN TIME: 460.3

- 1. Drained oil, oil sample taken.
- 2. Removed oil filter and cut open, no metal found.
- 3. Installed new filter P/N: AA48108-2, torqued and safetied.
- 4. Serviced with 8qts of Phillips 20W50 oil.
- 5. Ground run engine. Leak check okay.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturers maintenance manuals and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 20-08-006, Date: 08/17/2020.





Aricraft Reg	istration Number:		Aircraft Serial Number	_
Date			1	OF 3 ming Work
	AvDyne AeroS	ervices. LLC		ming Work
	J 110 110 100	ci reces, Elic		
	MAKE: Cirrus		DATE: 10/06/2020	
	MODEL: SR22		WORKORDER: 20-09-013	
	SERIAL NO.: 4720 REGISTRATION NO.	N181MC	A/C TOTAL TIME: 603.4 TACH TIME: 499.7	
			TSN TIME: 0.0	
	1. Completed 100 hour	annual inspection	on engine in accordance with Cirrus	
	2. AD research comple	ngine model: TCM ted using the Zook'	I IO550N68B; S/N: 1036520. s AD ToolBox dated September 23, 2020.	
	3. Compression checked	d #1-72/80, #2-69/8	0, #3-70/80, #4-70/80, #5-70/80, #6-72/80. Master	
	Orifice = 49.	1-4-1		
	<ol> <li>Drained oil, oil samp</li> <li>Removed oil filter an</li> </ol>	le taken. d cut onen, no mets	al found	
	6. Installed new filter I	/N: AA48108-2, tor	qued and safetied.	
1	7. Serviced engine with	8qts of Phillips 20	Ŵ50 oil.	
	This aircraft and or co	mponent identified	above was repaired and inspected in	
	accordance with curre	nt manufacturers n	naintenance manuals and was found airworthy	
	Order No.: 20-09-013, I	ertinent details of t	he repair are on file at agency under Work	
	01401 No.: 20-03-013, 1	ate. 10/00/2020.	1	
	Signed:	my Mep		
	For AvDyne AeroServi	es LLC CRS #Y7N	R985Y	
		<del>                                     </del>		
	•		2	0F3
	AvDyne AeroSe	rvices IIC	2 2 2	
	11 Dy ne 21e/05e	rices, ELC		
	MAKE: Cirrus		DATE: 10/06/2020	
	MODEL: SR22		WORKORDER: 20-09-013	
-	SERIAL NO.: 4720		A/C TOTAL TIME: 603.4	
	REGISTRATION NO.:	N181MC	TACH TIME: 499.7 TSN TIME: 0.0	
	8. Spark plugs removed	cleaned, inspected	gapped, and tested. Reinstalled plugs with new	
	gaskets P/N: M674.	-		
	9. Complied with 500 ho	ur inspection on bo	th magnetos IAW Continental maintenance B-160844, capacitors P/N: 10-400615, "O" rings	
	P/N: AB-349263, and con	tacts P/N: 10-38258	34. Set "E" gap. Reinstalled magnetos on engine	
	with new gaskets P/N: 64	9954. Timed magne	etos to engine IAW Cirrus maintenance manual.	
			1 alternator IAW Hartzell maintenance manual S. Reinstalled #1 alternator with new gasket	
	P/N: 653981 IAW Cirrus			
			bove was repaired and inspected in	
			intenance manuals and was found airworthy	
			e repair are on file at agency under Work	
	Order No.: 20-09-013, Da			
	Cianada	100		
	Signed:	LVC CDS #V7ND	DOEV	

**TOTALS-Carry torward to next page** 

### AvDyne AeroServices, LLC

MAKE: Cirrus MODEL: SR22 SERIAL NO.: 4720

REGISTRATION NO.: N181MC

DATE: 10/06/2020 WORKORDER: 20-09-013 A/C TOTAL TIME: 603.4 TACH TIME: 499.7 TSN TIME: 0.0

11. Complied with 500 hour inspection of # 2 alternator IAW Hartzell maintenance manual ES1031. Replaced brushes P/N: ALE-2013AS. Reinstalled # 2 alternator IAW Cirrus

maintenance manual.

12. AD 2020-16-11, amend 39-21195 dated Sept. 21, 2020, crossflow cylinders. Previously complied with by Cirrus Mandatory Service Bulletin SB 2X-71-33 on Jan. 9, 2020, Tach

13. Ground run engine. Engine operating parameters normal. Leak checked okay.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturers maintenance manuals and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 20-09-013, Date: 10/06/2020.

Signed: For AvDyne AeroServices LLC CRS #Y7NR985Y

#### AvDyne AeroServices, LLC

MAKE: Cirrus MODEL: SR22 SERIAL NO.: 4720

**REGISTRATION NO.: N181MC** 

DATE: 11/23/2020 WORKORDER: 20-11-016 A/C TOTAL TIME: 663.3 TACH TIME: 549.8 TSN TIME: 0.0

- 1. Ground run engine to normal operating temperature.
- 2. Cowling removed. Drained oil, oil sample taken.
- 3. Removed oil filter and cut opened, no metal found.
- 4. Installed new filter P/N: AA48108-2, torqued and safetied.
- 5. Serviced with 8qts of Phillips 20W50 oil.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturers maintenance manuals and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work

Order No.: 20-11-016, Date: 11/23/2020.

Signed: For AvDyne AeroServices LLC CRS #Y7NR985Y





Aricraft Registration Number: Aircraft Serial Number **Total Time in** Description of work performed Date **Total Time Since** Tach or recording Signature and Certificate Number of Person Performing Work Service Overhaul **Meter Time** TOTALS brought Forward from Previous Page ENGINE MODEL: 10-550-N DATE: 2/9/2021 ENGINE S/N: 1036520 REG. NO: N181MC 1005 Sycolin Road Suite 106 A/C TSN: 590.4 ENG TT: 590.4 HOBBS: 718.5 Leesburg, VA 20175 Phone: 703-443-4739 **Papillon Air** WORK ORDER: 0455-02-2021 **Engine Entries** (2) Performed Annual Engine inspection IAW FAR 43 Appendix D and Cirrus AMM CHpt. 5-20. Performed Compression check: 1) 77/80 [2) 75/80 [3) 76/80 [4) 76/80 [5) 79/80 [6) 78/80. Drained engine oil and collected oil sample. Removed oil filter and inspected, no metal found. Installed new oil filter P/N: CH48108-1 and serviced with 7 quarts of Phillips 20W50XC. Checked engine controls for proper operation, travel, and rigging. Cleaned fuel injection nozzles and reinstalled IAW 73-00-01. Checked magneto timing. Performed ground run, leak check ok at this time. ADs searched through 02/09/2021. (6) Replaced all (12) spark plugs with new P/N RHB32E torqued to 35 ff/lbs.

(7) Removed cyl#4 rocker cover, cleaned surface. Installed rocker cover with new gasket (1) P/N 07-20701 IAW Cirrus MM, torqued to 60 inch lbs. Leak check ok at this time. check ok at this time Maintenance Release The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as Work Order: 0455-02-2021 DATE: 2/9/2021 SIGNED: Printed by EBis 3 (datcomedia.com) Dustin Heffner, A&P: 3784018 ENGINE MODEL: 10-550-N (68) DATE: 3/12/2021 1005 Sycolin Road Suite 106 ENGINE S/N: 1036520 REG. NO: N181MC A/C TSN: 777 Leesburg, VA 20175 Phone: 703-443-4739 **Papillon Air ENG TT** TACH: 638.8 WORK ORDER: 0518-03-2021 **Engine Entries** (1) Ran up aircraft to warm oil and removed cowling. Drained engine oil, collected oil sample, removed oil filter and inspected, no metal found at this time Installed new oil filter CH48108-1 and safety wired, serviced engine with 7 quarts of Phillips XC 20W50. Reinstalled cowling and ran up aircraft. Leak check ok at this time. Maintenance Release The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as applicable. Me Work Order: 0518-03-2021 SIGNED: DATE: 3/12/2021 David Ponce-Mexicano, A&P: 4066904 Printed by EBis 3 (datcomedia.com) ENGINE MODEL: 10-550-N (68) 1005 Sycolin Road Suite 106 ENGINE S/N: 1036520 REG. NO: N181MC Leesburg, VA 20175 Phone: 703-443-4739 **Papillon Air** DATE: 4/23/2021 A/C TSN: 850.9 ENG TT: 697.6 WORK ORDER: 0595-04-2021 TACH: 697.6 **Engine Entries** (2) Performed 100HR Engine inspection IAW FAR 43 Appendix D and Cirrus AMM Chpt. 5-20. Performed Compression check: 1) 66/80 2) 62/80 3) 58/80 4) 63/80 5) 62/80 6) 70/80. Drained engine oil and collected oil sample. Removed oil filter and inspected, no metal found. Installed and safety wired new controls for proper operation, travel, and rigging. Removed and cleaned fuel injection nozzles and reinstalled to 35 ft/lbs with new gaskets. Checked engine within limits. ADs searched through 4/22/2021.

(5) Upon inspecting engine, cylinder no. 3 was found to have a crack from top spark plug hole to intake valve seat. Removed exhaust assembly, baffling, Standard Practice Maintenance Manual 10-6.1.2 & 10-6.1.3. Reinstalled baffling, exhaust assy, ignition/heater leads, fuel lines, etc. Serviced engine with 7 quarts of Phillips 20W50 Type M mineral oil. Ran up engine, performed magneto drop check and high power run. Ops and leak check ok at this time.

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as

David Ponce-Mexicano, A&P: 4066904

DATE: 4/23/2021 SIGNED:

Maintenance Release

applicable.

Work Order: 0595-04-2021

Printed by EBis 3 (datcomedia.com)



1005 Sycolin Road Suite 106 Leesburg, VA 20175 Phone: 703-443-4739



#### **Engine Entries**

(1) Ran up aircraft to warm oil and removed cowling. Drained engine oil, collected Blackstone oil sample, removed oil filter and inspected, no metal found at this time. Installed new oil filter P/N: CH48108-1 and safety wired; serviced engine with 7 quarts of Phillips XC 20W50. Reinstalled cowling and ran up aircraft. Leak check ok at this time.

#### Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as

DATE: 5/6/2021

SIGNED:

Work Order: 0642-05-2021

David Ponce-Mexicano, A&P: 4066904

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N (68) ENGINE S/N: 1036520 REG. NO: N181MC WORK ORDER: 0745-06-2021



1005 Sycolin Road Suite 106 Leesburg, VA 20175 Phone: 703-443-4739

DATE: 6/17/2021 A/C TSN: 946 ENG TT: 766.3 FLIGHTTIME: 766.3

#### **Engine Entries**

(1) Ran up aircraft to warm oil and removed cowling. Drained engine oil, collected Blackstone oil sample, removed oil filter and inspected, no metal found at this time. Installed new oil filter P/N: CH48108-1 and safety wired; serviced engine with 7 quarts of Phillips XC 20W50. Reinstalled cowling and ran up aircraft. Leak check ok at this time.

#### Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as

DATE: 6/17/2021

SIGNED:

Work Order: 0745-06-2021

David Ponce-Mexicano, A&P: 4066904

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10-550-N (68) ENGINE S/N: 1036520 REG. NO: N181MC WORK ORDER: 0805-07-2021



1005 Sycolin Road Suite 106 Leesburg, VA 20175 Phone: 703-443-4739

DATE: 7/16/2021 A/C TSN: 998.3 ENG TT: 804.4 FLIGHTTIME: 804.4

#### **Engine Entries**

(2) Performed 100HR Engine inspection IAW FAR 43 Appendix D and Cirrus AMM Chpt. 5-20. Removed cowling and inspected. Performed Compression check: 1) 64/80 2) 61/80 3) 73/80 4) 60/80 5) 64/80 6) 66/80; Master Orifice @ 42psi. Drained engine oil and collected Blackstone oil sample. Removed oil filter and inspected, no metal found. Installed and safety wired new oil filter P/N: CH48108-1 and serviced with 7 quarts of Phillips XC 20W50. Removed spark plugs; cleaned, inspected, gapped, tested, rotated and reinstalled to 35 ff/libs with new gaskets. Checked engine controls for proper operation, travel, and rigging. Checked magneto timing, within limits. Reinstalled cowling. Performed ground run, leak check ok at this time. ADs searched on ATP through 7/16/2021

(7) Stop drilled cracks found baffling on both LH and RH side of engine.

I certify this Engine has been inspected IAW with a 100 Hour Inspection and was found to be in Airworthy Condition.

#### Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as applicable

DATE: 7/16/2021

SIGNED:

Work Order: 0805-07-2021

David Ponce-Mexicano, A&P: 4066904

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10-550-N (68) ENGINE S/N: 1036520 REG. NO: N181MC WORK ORDER: 1055

1005 Sycolin Road Suite 106 **MADVANCED** Leesburg, VA 20175 Phone: 703-443-4739

DATE: 8/16/2021 A/C TSN: FNG TT: 852 FLIGHTTIME: 852

#### **Engine Entries**

Ran up aircraft to warm oil and removed cowling. Drained engine oil, collected Blackstone oil sample, removed oil filter and inspected, no metal found at this time. Installed new oil filter P/N: CH48108-1 and safety wired, serviced engine with 7 quarts of Phillips XC 20W50. Reinstalled cowling and rari up

Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as

DATE: 8/16/2021

7 SIGNED:

Work Order: 1055

David Ponce-Mexicano, A&P: 4066904

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ate	Registration Nu Total Time i			Aircraft Serial Number						
ate	Service	n Total Time Since Overhaul	Tach or recording Meter Time	Signature a		on of work performe Number of Person P				
	ENGINE MODEL: 10-5 ENGINE S/N: 1036520 REG. NO: N181MC WORK ORDER: 1174	)	1005 Sycolin Leesburg, VA Phone: 703-4	Road Suite 106		DATE: 10/8/2021 A/C TSN: 1132.7 ENG TT: 902.7 FLIGHTTIME: 902.7	ţe			
- -	spark plugs; cleaned, travel, and rigging. Ch through 10/8/2021. I certify this Engine ha	ngine inspection IAW FAR 43 30 3) 63/80 4) 60/80 5) 63/80 6 metal found. Installed and sa nspected, gapped, tested, rot- ecked magneto timing, within s been inspected IAW with a 1 #6, bottom spark plugs with ne	fety wired new oil filter P/N ated, and reinstalled to 35 imits. Reinstalled cowling.	V: CH48108-1 and service ft/lbs with new gaskets. C Performed ground run, le	d with 8 quarts of Phil hecked engine contro	. Performed Compression one oil sample. Removed oil				
_	Maintenance Release									
_	The aircraft and/or con was found Airworthy for applicable.  DATE: 10/8/2021	nponent(s) on N181MC was re r return to service. Pertinent c SIGNED:	paired and inspected in ac etails of this maintenance	ecordance with current FA are on file at our facility u	Rs rules of the Feder nder the above work/s	al Aviation Regulations and service order number as				
			A&P: 4401425	ske		Work Order: 1174				
		T dui Alexiou,	A&P: 4401425	0	Printed by	EBis 3 (datcomedia.com)				
	` <b>^</b> ∕∕E	ST West Aircraft Mainter	l anno	1						
_	AIFCBAFT MAINTE	280 Gardner Dr New Century KS 660		Make: Model:						
		19137024570	31	Tail:	N181MC					
_				S/N:	4720					
- - -	Signed: Name:	lustin Pate  ST West Aircraft Mair 280 Gardner Dr New Century KS ( 19137024570	I Itenance	ı Makı	Cert: Mecha Date: 12/18/ e: Continental el: IO-550-N N181MC	nic: 4391662 AP				
		TAGU 1000 15 TT 100		3/14.	1030320					
	Comple MSB's f X/C20W 76, 78/8 plugs. E	TACH: 1002.4 EngTT: 10 ted 100 hour inspection IA bund due. Drained engine 50 and installed new engi 0. Removed, cleaned, ins ingine ops/leak check con on and determined to be in	W FAR 43 Appendix D oil, removed, cut open ne oil filter p/n AA4810i pected, tested, replace pleted. I certify this er	i, and inspected engine 8-2. Differential compr d 1T n/n SHB32E_rota	e oil filter element. ession check as fo eted top to bottom	Added 7 qts llows: 74, 72, 76, 79,				
	Signed:	9			Cort. Mc	chanic: 4391662 AP				
	Name:	Justin Pate			Date: 01					
-										
_			craft Maintenance		Make:					
			ntury KS 66031		Model:					
_		1913702	4570			N181MC				
		S/N: 4720  Hours: AC: 1081.5 TT: 1081.5 EngTT: 1081.5 PropTT: 1081.5 Hobbs: Misc:								
		D fo d 400 h '	estico IAM/ FAD 40 -	on Dunier Charte	DOO ANANA '-	In No AD's describer				
		Compressions 1:77 2:71	3:77 4:72 5:75 6:73 viced sump with 8qts	Drained oil, removed of XC 20W50. I certi	filter and cut ope fy this engine has	le. No AD's due at this time in. No metal found, installe been inspected IAW a 10	d new			

 Signed:
 Cert: Mechanic: 4638550 ₽

 Name:
 Logan Baker

 Date: 06/03/2022



West Aircraft Maintenance 280 Gardner Dr New Century KS 66031 19137024570

Make: Cirrus Model: SR22 Tail: N181MC 4720

Hours: Tach: 1034.3 ETT: 1034.3

Performed an annual inspection IAW FAR 43 app. D and using SR22 AMM as guide. Compressions: (Taken after work

helow)
1: 71/80 2: 74/80 3: 76/80 4:78/80 5: 72/80 6: 72/80. Removed #3 cylinder due to detonation, inspection for cause of detonation was conducted and was determined to be the fault of Broken ceramic on bottom spark plug on #3 cylinder. Drained oil and flushed engine with mineral spirits, sent oil filter for analysis, which yielded normal wear, and elevated chromium, most likely from #3 piston pin. Removed and replaced connecting rod assy' on #3 and #4 cylinders. p/n 655911, with bearings p/n 642398. Replaced #3 cyl. assy' p/n 658815A2BP S/N AC21KB013 and Piston Pin p/n p/n 655911, with bearings p/n 642398. Replaced #3 cyl. assy' p/n 658815A2BP S/N AC21KB013 and Piston Pin p/n p/n 6465911, with bearings p/n 642398. Replaced #3 cyl. assy' p/n 658815A2BP S/N AC21KB013 and Piston Pin p/n p/n 6465911, with bearings p/n 642398. Replaced #3 cyl. assy' p/n 658815A2BP S/N AC21KB013 and Piston Pin p/n p/n 6465911, with bearings p/n 642398. Replaced some set y/n AB-35786, contact assy' AB-38284, and distributor block assy' p/n AB357426 in RH and LH magnetos. Serviced sump with 7 qts. of A/S 100. no applicable AD's due. oil filter to be removed at 25 hrs. to inspect for metal. The following manuals were used with reference to the work performed above x42002 S-20/200 series magneto service support manual. Continental M-0 Standard practice and MM. Continental M-16 IO-550-N Engine MX and O/H manual . I certify this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.

Signed:

Name:

Cert: Mechanic: 3965513 AP

Date: 03/24/2022

West Aircraft Maintenance 280 Gardner Dr New Century KS 66031 19137024570

Make: Cirrus Model: SR22 N181MC

4720

Hours: flight time: 1055.9

Drained engine oil. Removed, cut open, and inspected engine oil filter for metal. Installed new engine oil filter p/n

AA48108-2. Added 8 qts X/C 20W50. Performed Ops check

Landon Reeder

Name:

Cert: Mechanic: 3965513 AP

Date: 04/18/2022

West Aircraft Maintenance 280 Gardner Dr New Century KS 66031 19137024570

Make: Cirrus

Model: SR22 N181MC Tail:

4720

Hours: AC: 1199.3 TT: 1199.3 EngTT: 1199.3 PropTT: 1199.3 Hobbs: Misc:

Performed 100 hour inspection IAW FAR 43 app D using Cirrus SR22 AMM as guide. No AD's due at this time. Compressions 1.77/80, 2.73/80, 3.79/80, 4.69/80, 5.69/80, 6.79/80. Master onfice reading 69. Drained engine oil, removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 8qts of Phillips66 XC 20W50. Installed new induction air filter P/N BA-24. I certify this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Signed: Name:

Adam Piepke

Cert: Mechanic: 3965513 AP

Date: 08/10/2022

West Aircraft Maintenance 280 Gardner Dr New Century KS 66031 19137024570

Make: Cirrus

Model: SR22 N181MC Tail:

S/N: 4720

Hours: AC: TT: 1293.8 EngTT: PropTT: Hobbs: Misc:

Removed and Replaced starter terminal P/N G-374-76 test ran O.K.

Signed; Name: Logan Baker Cert: Mechanic: 4638550 P

Date: 10/26/2022





Arieraft Boo	istration Numb	or		Aircraft Serial Number					
Date	Total Time in Service	Total Time Since Overhaul	Tach or recording Meter Time	Des Signature and Cert	cription of wo	n Performing Wint			
	Service	Overnous		TOTALS brought For		-70			
7//	West Aircraft Mair 280 Gardner Dr New Century KS 6 1913/7024570		Make: Cit Model: SF Tail: N1 S/N: 47	rus 8222 81MC ——					
Perform Cirrus A and sen filter, no IAW Cirr	ed 100 HR Engine inspect MM 5-30. Performed engit viced 7qts of Phillips 66 X/	ion IAW CMX In-Service I ne 100 HR inspection IAW C SAE 20w-50. Replaced up and leaked checks pe iental MM. Performed cyling	oil filter P/N AA48108-2. F formed with no discrepan inder differential compress A2. Compression 1.69/80.2	onal and function check IAW internal MM. Drained engine oil erformed particle inspection on cies noted. all work accomplished fon check IAW Continental MM. Engine 18 (1980) 3:69/80 4:66/80 5: 60/80					
Signed;	part			Cert: Mechanic: 4653415 A/P —— Date: 12/05/2022					
Name:	Joshua Kennedy			Date. 1270012022					
	West Aircraft 280 Gardner New Century 19137024570	Dr KS 66031	Mode Tail: S/N:	e: Cirrus el: SR22 N181MC 4720					
— Hou	irs: AC. 1,302.1 TT 1,30	2.1 EngTT: 1,302.1 Prop	TT: 1,302.1 Hobbs: 1,602	2.3 Misc.					
	noved and replaced #1 cy for reconditioning and re-	or a contract of the contract	alve assembly P/N 65881 eference to Continental M-	SA2. Removed cylinder #1 connecting 0 manual. Cert: Mechanic: 4638550 P					
Nan	1			Date: 12/05/2022					
	2416 (03-20-2023)				Page 1 / 2				
	MAKE: CIRRUS DESIGN MODEL: SR22 S/N: 4720 REG. NO:: N181MC ENG MODEL: IO-550-N ENG S/N: 1036520		Advanced 1005 Sycolin Rd Leesburg, V	pad Suite 106	W/O #: 2416 DATE: 03-20-2023 A/C TT: 1332.5 ENG TT: 1332.5 Hobbs: 1638.8				
	Continental IO-550 M (1) 71/80 (2) 64/80 (3 sample, ren. ved oil serviced eng. with reinstalled to in/lbs Removed spai controls for proj opinider #6, reps. d sensor wiring, se cowling. Performe ADs & SBs researc Replaced induction fin	IM (M-16) Rev. 2 Chpt. ) 0 66/80 (4) 60/80 (5) 70 filter to disassemble an 8 quarts of Phillips XC Visually inspected cyl s; cleaned, inspected cyl eration and travel; lubri (2) missing screws on d Tanis heater wiring, a post-mainte nance ground through ATP on bi-wer element with (1) never the control of the control	6-4.4 as a reference. F 0/80 (6) 64/80; Master O d inspect, no metal four 20W50. Removed and of inders, baffling, lines, wi apped, tested, rotated a icated as needed. Chec LH baffling, replaced mi and replaced grommet, d run, ops and leak che eek 2023-07. w P/N: BA-24, NEXT Di	JE @ 1532.5 FLIGHT or 3/10/2024	rformed Compression check: collected Blackstone oil tollected Blackstone oil til filter P/N: AA48110-2 and any defects, none found, sories, angline more as gask as cheef ad a president filter.				
:	bolts of the Engine Mo	ount Weldment and Lov	gns of corrosion or dan wer Mount Attach Fitting provide more security ar	nage, no defects noted at this time.  gs, no defects noted. NEXT DUE @  nd avoid any chafing.	Veritad 1882 LIGH				
:	(1) 12amp fuse P/Ñ: T Replaced (2) baffle P/ Replaced (1) heat exc C/W AD2020-19-06, ru variant "SCE59" to be	U02848, operational c N: 649243 and (2) spri hanger assembly P/N: emoved governor to di installed. Reassemble	heck ok. ng P/N: 632907 for botl 21892-002, securing s sassemble. Inspected ç	lip-joint hardware with new cotter p gears for any metallic debris, none aved the letter "B" on governor boo	oins. found. Confirmed bearing				
	I certify that this Engli	ne has been inspected ft is approved for retur	d in accordance with a n to service. Pertinent	100 Hour / Annual Inspection and I	has been determined to be in airw Vork Order.	orthy			
	DATE: 03-20-2023	SIGNED:	Me !		MODE ODDED	2416			
	J.112. 00-20-2020	David Pond	ce-Mexicano Number: 4066904		WORK ORDER: Printed by EBIS (EBISCloud				

MAKE: CIRRUS DESIGN CORP MODEL: SR22 S/N: 4720

ENG S/N: 1036520

REG. NO:: N181MC ENG MODEL: 10-550-N (68)

### Advanced Leesburg

1005 Sycolin Road Suite 106 Leesburg, VA 20175

W/O #: 2629 DATE: 05-19-2023 ENG TT: 1382.9 ENG TSN: 1382.9 Hobbs: 1704.5 A/C TT: 1382.9

#### Entries

Drained engine oil. Removed, cut, inspected oil filter element w/no defects noted. Installed and safetied new oil filter P/N AA48108-2. Serviced engine w/8 quarts Phillips XC 20W50 aircraft engine oil. Ops and leak check performed; no defects noted.

#### Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as applicable.

DATE: 05-19-2023

SIGNED:

WORK ORDER: 2629

Daniel Sternfeld A&P: 3939920

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2715 (06-21-2023)

MAKE: CIRRUS DESIGN CORP

MODEL: SR22 S/N: 4720 REG. NO:: N181MC Advanced Leesburg

1005 Sycolin Road Suite 106 Leesburg, VA 20175

Page 1 / 1

W/O #: 2715 DATE: 06-21-2023 A/C TT: 1428.6 Flight: 1428.6

Hobbs: 1763.1

#### **Engine Entries**

Performed 100HR Engine inspection IAW FAR 43 Appendix D and Cirrus AMM Chpt. 5-20. Removed cowling and inspected. Performed Compression check: 1) 72/80 2) 70/80 3) 64/80 4) 72/80 5) 70/80 6) 78/80. Drained engine oil and collected Blackstone oil sample. Removed oil filter and inspected, no metal found. Installed and safety wired new oil filter and serviced with 8 quarts of Phillips XC 20W50. Removed spark plugs; cleaned, inspected, gapped, tested, rotated, and reinstalled to 35 ft/lbs with new gaskets. Replaced cyl# 4 push rod tube packings, cly#2 exhaust rush rod tube packing and cly #4 intake gasket due to leaks. Checked engine controls for proper operation, travel, and rigging. Checked magneto timing, within limits. Reinstalled cowling. Performed ground run, leak check ok at this time. ADs searched on ATP through 6/21/2023.

#### Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as applicable.

I certify this Engine has been inspected IAW with a 100 Hour Inspection and was found to be in Airworthy Condition.

DATE: 06-21-2023

SIGNED:

WORK ORDER: 2715

Printed by EBIS (EBISCloud.com)

Michael Noyes A&P: 4495806

3150 (11-20-2023)

MODEL: SR22

S/N: 4720

MAKE: CIRRUS DESIGN CORP **Advanced Leesburg** 

1005 Sycolin Road Suite 106 Leesburg, VA 20175

W/O #: 3150 DATE: 11-20-2023

Flight: 1534.7 Hobbs: 1899.2

Page 1 / 1

REG. NO:: N181MC ENG MODEL: 10-550-N (68) ENG S/N: 1036520

#### **Engine Entries**

- Performed 100HR Engine inspection IAW FAR 43 Appendix D and Cirrus AMM Chpt. 5-20. Removed cowling and inspected. Performed Compression check: 1) 72/80 2) 60/80 3) 65/80 4) 60/80 5) 63/80 6) 64/80 Master orifice at 42PSI. Drained engine oil and collected Blackstone oil sample. Removed oil filter and inspected, no metal found. Installed and safety wired new oil filter (PN:48108-2) and serviced with 8 quarts of Phillips XC 20W50. Checked magneto timing, within limits. Reinstalled cowling. Performed ground run, leak check ok at this time. ADs and SBs researched on ATP through 11/16/2023.
- Replaced both Cyl #4 push rod tube packings, O-rings and tab washers (PN:TCM534610, PN:TCM630286, and PN:TCM501868).
- Replaced all spark plugs with new (PN:RHB32E).

I certify that this engine has been inspected IAW a 100hr inspection and was found to be in Airworthy condition.

DATE: 11-20-2023

SIGNED: Michael Noyes

WORK ORDER: 3150

Printed by EBIS (EBISCloud.com)

3265 (12-27-2023)

MAKE: CIRRUS DESIGN CORP

**Advanced Leesburg** 1005 Sycolin Road Suite 106

A&P- 4495808

Page 1 / 1 W/O #: 3265

MODEL: SR22 S/N: 4720 REG. NO:: N181MC

Leesburg, VA 20175

DATE: 12-27-2023 Flight: 1565.3 Hobbs: 1937.6

#### Airframe Entries

AFCS INOP/SERVO COMM to GIA 1 CAS messages

Could not reproduce fault. Applied contact cleaner and ACF-50 to connectors on both GIAs and both GDUs. Autopilot ops ck good.

Maintenance Release

The aircraft and/or component(s) on N181MC was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of this maintenance are on file at our facility under the above work/service order number as applicable.

DATE: 12-27-2023

SIGNED: Christopher Ray A&P: 4122058

WORK ORDER: 3265

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# ENGINE LOG BOOK





## **Continental Motors**

**FAA PRODUCTION CERTIFICATE NO. 508** 

Printed:09/26/2018

Test Date 09/25/2018

This engine model I0550N68P, serial number 1036520 was manufactured by Continue Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, and the approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

CONTINENTAL MOTORS, INC.

	iotai	Time	Time Sin	ice Last haul	Flighte Service at	nd Maintenar	ice Record	d
Date	Hours	Min	Hours	Min	Record maintenance actions installation and compliance w Special Inspections, Modificat	s including engine   vith inspections, Airwon ions and Service Bulle	part removal and rthiness Directive tins	S,
2000 11								$\dashv$
2889 (08-18 MAKE: CIT	3-2023)					Page		$\dashv$
MODEL: S S/N: 4720 REG. NO::		CORP		1005 5	anced Leesburg Sycolin Road Suite 106 eesburg, VA 20175	W/O #: 2 DATE: 08-18-2 Flight: <mark>14</mark> Hobbs: 18	2023 80.3	$\dashv$
Engine	Entries							5.
aircraft.	uarts of Phillips Leak check ok	VO 0000, 11	o metal lound	warm oil and at this time re pressured	d removed cowling. Drained engine oil, coll b. Installed new oil filter P/N: AA48108-2 ar d; brought all tires to spec IAW aircraft POI	lected Blackstone oil sample, nd safety wired; serviced engin H. Reinstalled cowling and ran	e up	
Maintenan						1,		
The aircraf Regulation work/service	t and/or composes and was four ce order number	onent(s) on nd Airworth er as applic	N181MC was y for return to able.	s repaired a	and inspected in accordance with current Fertinent details of this maintenance are on	ARs rules of the Federal Aviat file at our facility under the abo	ion ove	
DATE: 08-	18-2023	SIG	NED: M	Shoul	MW/	WORK ORDER	: 2889	
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207-		A&F	P: 4495806					
3375 (02-10-202						Page 1 / 1		
MAKE: CIRRU MODEL: SR22	S DESIGN CO		anced Lee	sburg		W/O #: 3375 DATE: 02-10-2024		
S/N: 4720 REG. NO:: N18	B1MC	Leest	Sycolin Road ourg, VA 2017	Suite 106 5		Flight: 1582.4 Hobbs: 1960.7		
ENG MODEL: ENG S/N: 1036	IO-550-N (68) 5520					A/C TT: 1582.4		
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	Total	Time	Time Sin Over	ce Last haul		ns including engine part removed
ate	Hours	Min	Hours	Min	Record maintenance action installation and compliance of Special Inspections, Modifications	ns including engine part removal and with inspections, Airworthiness Directives, ations and Service Bulletins
1						Page 1 / 1
d 1						W/O #: 3553 DATE: 04-15-2024
_	3553 (04-15- MAKE: CIR	DUS DESIG	ON CORP Ad	vanced l	Leesburg Road Suite 106	Hobbs: 1992.0
	MODEL: SI	322	100 Lee	sburg, VA	20175	Flight: 1607.9
_	S/N: 4720	IA DAMO				Eng TSN: 1607.9
	ENG MODE	036520				
-	Engine E	ntries	II-/Annual	inspection	IAW Cirrus AMM 5-20 and Continental M- ck IAW Cirrus AMM 5-30. Drained engine on 108-2. Performed particulate inspection on	18 Manual. oil and serviced w/8 qts Phillips XC 20w50 filter, no discrepancies noted. Run up and nijector nozzles. All work accomplished IAW
	· Performe	d an Engine	perational and fu	nction che	ck IAW Cirrus Alvilli 0-00.	oil and serviced w/8 qts Phillips XC 20w50 I filter, no discrepancies noted. Run up and njector nozzles. All work accomplished IAW ssion checks and borescope inspections IAW 0/80 2) 68/80 3) 71/80 4) 65/80 5) 65/80 6)
_	engine oil	. Replaced	oil filter w/new	epancies n	oted. Removed, cleaned, reinstalled ider in	ssion checks and borescope inspections IAW
-	leak chec	ks performe M 12-20 ar	nd Continental N	A-18 Manus	al. Performed Cylindon and as follows: 1) 70 oted. Compression results as follows: 1)	njector nozzles. All work accomplished IAW ssion checks and borescope inspections IAW 0/80 2) 68/80 3) 71/80 4) 65/80 5) 65/80 6)
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	4 1	die cheen a	III IIIIALUI O IIII		I pressures within limits IAW Continental N	M-0 Revision No. 1 Change 5, Chapter 6-4.
	Adjusted I	high unmete	ered and high n	ected in ac	cordance with a 100 Hour / Annual Inspect	M-0 Revision No. 1 Change 5, Chapter 6-4.  tion and has been determined to be in airworthy ne listed Work Order.
	condition. Th	this Engine his aircraft is	s approved for	return to se	cordance with a 100 Hour / Annual Inspect ervice. Pertinent details are on file under th	
			SIGNE			WORK ORDER: 3553  Printed by EBIS (EBISCloud.com)
	DATE: 04-15	)•2024	Daniel	Sternfeld		- Initial by Lbte (Lbte dietalestin)
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						Page 1 / 1
	3754 (06-11-20	024)				W/O #: 3754
	MAKE: CIRRI		N CORP Ad	vanced	Leesburg	DATE: 06-11-2024
	MODEL: SR2		100	5 Sycolin	Road Suite 106	Hobbs: 2054.1
	S/N: 4720 REG. NO: N1	81MC	Lee	sburg, VA	20175	Flight: 1658.7
_	<b>ENG MODEL</b>	: 10-550-N	(68)			
	ENG S/N: 103	36520				
_	Engine En	tries				
	• 50 hour oil	change			A STATE LAND CROSS AMM POV	4 Chpt 5-20-00 & TCM IO-550 SPMM (M-0)
	Ran up airc	craft to war	m oil and perfo	rm 50HR	oil change & insp. IAW SRZZ AWW Rev.	4 Chpt 5-20-00 & TCM IO-550 SPMM (M-0) cified PSI in POH. Removed cowling. Drained ound at this time. Installed new oil filter P/N:
	Chpt. 6-4.3	, Checked collected B	all aircraft light	ample, rer	noved oil filter and inspected, no metal for	ound at this time. Installed new oil filter P/N: sected engine compartment, no defects found.
	A A 40400 2	and cafety	Wirod' SONICE	ed engine	With a quarts of Finnips AC 204400. Hop	pected engine compartment, no defects found.
_	Reinstalled	cowling. F	Ran up aircraft.	Leak ched	ck ok, no defects noted.	
	Maintenance	Release	4			
	The aircraft or	nd/or com	onent(s) on M	181MC wa	as repaired and inspected in accordance	with current FARs rules of the Federal Aviation
	Regulations a	ind was for	and Airworthy f	or return to	o service. Partinent details of this mainte	enance are on file at our facility under the above
	work/service	order numb	per as applicab	le.	( ) /	
_	DATE: 00.41	0004		_ (	W- n-	WORK ORDER: 3754
	DATE: 06-11-	2024	SIGNE			Printed by EBIS (EBISCloud.com)
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	Det		Total Time		nce Last haul	Eligille Selvice and man		
Date		Hours Min		Hours Min Record maintenance actions including engine installation and compliance with inspections, Airwo Special Inspections, Modifications and Service Bull		Record maintenance actions including engine part remoinstallation and compliance with inspections, Airworthiness Dispecial Inspections, Modifications and Service Bulletins	irectives	
Carried	forward —		<b>→</b>					
	JYO3951-08-2	2024 (08-16-	2024)			Page 1 / 1 W/O #: JYO3951-08-2024		
	MAKE: CIRE MODEL: SR S/N: 4720 REG. NO: N ENG MODE ENG S/N: 10	181MC L: IO-550-N 036520	1 L (68)	<b>Advanced</b> 005 Sycolin F eesburg, VA	Road Suite 1 20175	06 Hobbs. 21709.3 Flight: 1709.3		
	engine oil, AA48108-	craft to war 3. Checked collected B 2 and safety	all aircran ॥ lackstone oi wired; serv	intina. Inspec	noved oil filte vith 8 quarts	insp. IAW SR22 AMM Rev. 4 Chpt 5-20-00 & TCM IO-550 SPMM (M-0) and inflated all tires to specified PSI in POH. Removed cowling. Drained ar and inspected, no metal found at this time. Installed new oil filter P/N: of Phillips XC 20W50. Inspected engine compartment, no defects found. ects noted.		
	The aircraft a Regulations a work/service	and/or comp and was fou	na Airwortin	y for return to	s repaired a	nd inspected in accordance with current FARs rules of the Federal Aviation ritinent details of this maintenance are on file at our facility under the above		
	DATE: 08-16	order numb	er as applic	NED:	1	WORK ORDER: JYO3951-08-2024 Printed by EBIS (EBISCloud.com)		