

N514BR





CONTINENTAL MOTORS



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



Teledyne Continental Motors, Inc.

Part 21 of the Federal Aviati Printed: 11/24/2004 10 at

This engine model 10550N27 , Serial No. 917486 was manufactured on 11/22/2004

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



# 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

Wings Aircraft Maintenance, LLC  REG. # N541BR MODEL # CIRRUS SR22 S/N 1245 HOBBS 32.4  CHANGED OIL WITH EIGHT QUARTS OF AS 15W/50 OIL AND INSTALLED NEW CH48108-1 OIL FILTER, INSPECTED OIL FILTER ELEMENT, OK AT THIS TIME GROUND RAN AND LEAK CHECKED, OK.  DATE 1-10-2005 SIGNED  AP5377337901A  Acra of Grande Aviation Fine Aviation Fin	Date	Tota	I Time		Since Overhaul	Engine Service and Maintenance Record
REG. # N541BR MODEL # CIRRUS SR22 S/N 1245 HOBBS 32.4  CHANGED OIL WITH EIGHT QUARTS OF AS 15W/50 OIL AND INSTALLED NEW CH48108-1 OIL FILTER, INSPECTED OIL FILTER ELEMENT, OK AT THIS TIME. GROUND RAN AND LEAK CHECKED, OK.  DATE 1-10-2005 SIGNED  AP5537337901A  AP5537373701A	30	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections Modifications and Service Bulletins
Hobbs 6 69.7 Changed oil with 8 gts of Changed oil with 8 gts of Joseph Color of and instead of the stand of	- REG. # N50-	41BR OIL WIT PECTED OK.	MOD H EIGH OOIL FI	DEL#C	CIRRUS	SR22 S/N 1245 HOBBS 32.4
HUMBS 95 6 HAWERD OIL WITH EIGHT AND WHEN THE AND IN THE TOWN ON THE SECRETARY OF THE SECRE	DATE 1-10-2	005 SIC	GNED	<u></u>		AP553733790IA
QUALTS OF THEOSTELL 15W DILL AND INSTALLED NOW CHARLOS - OIL FILTER, TOOK SAMPLE AND SENT FOR ANALO TEN LEAK CLEO OK METERIALIE	Hobbs &	8000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at Hay Head 12 180 11-69 11-69	9 ja Cher j S / C Jer j C 105 200 200 200 8	rde Aviation Inc. anged oil with 8 gts of To fferoshell oil and install H 48 108-1 gil fifter, in specte lement found no metal. Of the Ground ruy-up check OK. Also, performed comp 15 76 6 760 The Company of the Comp 15 76 6 760 The Company of the Comp 15 76 6 760 The Company of the Comp 15 76 6 760 The Company of the Comp 15 76 6 760 The Company of the Comp 15 76 6 760 The Company of the Company of the Comp 15 76 6 760 The Company of the Company of the Comp 15 76 6 760 The Company of the Company
200   21   3   10   20   2   1   10   20   20   20	Horses	95	5			CHANGED OIL WITH EIGHT QUALIS OF ABOSHELL ISWE
200   21   3   10   20   2   1   10   20   20   20	MAGE.	#Q 301	3 97U 3 97U	3 +	10	PIL AND INSTALLED NAW CHARLOB - OIL FILTER, TOOK SAMPLE AND SENT FOR ANALY
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CONTROL OF THE PROPERTY OF THE		75	A-7	3012	- 1,00	

	Corporate Jets, Inc.
	14600 North Alroof Drive * Scottsdale, Avidoria dozed
N:	514BR Date: December 27, 2005 Model #Cirrus 22 G-2 S/N 1245

Model #Cirrus 22 G-2 S/N 1245 ACTT 104.1

TCM IO-550-N(27) S/N 917486 ETT 104.1 HARTZELL PHC-J3YF-1RF S/N FP3346B PTT 104.1

## ENGINE LOG ENTRY

Accomplished 50/100 hour 6/12 month inspection in accordance with the manufacturers service manuals.

Compression check at 80psi: #1/75 #2/76 #3/77 #4/76 #5/76 #6/76

C/W 1<sup>st</sup> 100hr fuel nozzle clean and inspection. No defects noted.

I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>100 HOUR</u> inspection and was found to be in an Airworthy Condition. W/O.014259

Markon Million

CRS# LN3R663L



HOBBS 0125.7 TOTAL 0125.7 TSOH -----DATE 3/24/06

AIRCRAFT MAINTENANCE & REPAIR FALCON FIELD – MESA, AZ

REG # N541BR A/C # 1245 ENG # 917486

e Service and Maintenance Record s, Inspections, Airworthiness Directives, Special Inspections.

ns and Service Bulletins

RUN ENGINE TO TEMP. DRAIN OIL AND REPLACE OIL FILTER. CUT OLD FILTER AND INSPECT FOR METAL; NONE SOTED RESULL ENGINE WITH 7 QUARTS AEROSHELL 15 W 50 ENGINE OIL. RUN ENGINE AND LEAR CHECK THIS ENGINE IS APPROVED FOR RETURN TO SERVICE.

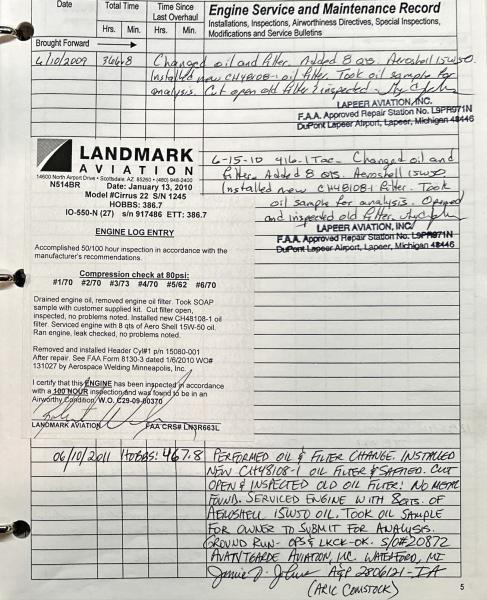
A/P 3116187

HOBBS-141.\$ 8/9/2006.	PERFORMED OIL + FILTER CHANGE.
and the same of the same of	CUT OPEN OLD OIL FLITER + INSPECTED
	FOR METAL- NONE FOUND.   NSTAILE O A
The same of the sa	NEW CH48108-1 OIL FUTER AND SAFFIED.
	SERVICED FUGINE WITH 8 QTS. AEROSHELL
	15W50 OIL. WASHED DOWN ENGINE. TOOK
	OIL SAMPLE. GROUND RUN OPS + LK CK-OK
	AVANTGARDE AVIATION, INC. W/0#19835
	Janie D. Orlus 2806121 A+P
	END

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections,
Brought Forward		-	1110.	IVIIII,	Modifications and Service Bulletins
Hobbs: 18	53	9/2	-/-		
110005. 10	15.5	1/2	1/20	06	PERFORMED OIL & FILTER CHANGE. CUT OPEN
	21/31	2.1.34	http://	Sec.	INSPECTED OLD OIL FILTER - NO HETAL
7 50 1 10 10	93.	Store			FOUND. INSTALLED & SAFTLED NEW CH48108-1
The second	43	1	Losse.	1	OIL FILTER. SERVICED ENGINE WITH BOTS.
1000	i Wint	MOTE	MARI	MAL	AERDSHEU 15W50 OIL. WASHED DOWN
BASSAIR	inciti	19nas	na (en	S.A.S.Idd	ENGINE. TOOK ON STAYLE. GROUND RUN
				- Carpella	OPS & LK CK-OK. STANDED AVANTEARDE
		(F) (S)	200		AVIATION, INC. W/O# 19894 -
					Janie D. Johne 280 6121 ATP
		Transmi.	-		Guine V Spans 250 Clariti
		State Captor			
					·
124					Corporate Jets, Inc.
					N514BR Date: January 8, 2007 (480) 948 2400
					Model #Cirrus 22 G-2 S/N 1245 ACTT 209.3
					TCM IO-550-N(27) S/N 917486 ETT 209.3
					HARTZELL PHC-J3YF-1RF S/N FP3346B PTT 209.3
					ENGINE LOG ENTRY
					Accomplished 50/100 hour 6/12 month inspection in accordance with the manufacturers service manuals.
	200				Compression check at 80psi:
		-		-	
	-		2		Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP
					sample. Installed new CH48108-1 oil filter. Serviced
					engine with 8 qts of AeroShell 15W-50 Oil. Ran engine,
					leak checked No problems noted.
					I certify that this ENGINE has been inspected in accordance
					with an 100 HQUR inspection and was found to be in an Airworthy Condition, W.O. 025964
					()/4///
					CORPORATE JETS, INC. CRS# LN3R663L
	21/2		(1)		1 1 2 1 1 1 1 1
6-11-07	242	.0	Cha	nge	1011 - 1
			and	inst	elled CHUBIOBA oil Felher. Took oil
			Scen	phe,	cut tilter open and inspected. Thy Cyl
			400		LAPEER AVIATION, IN
					F.A.A. Approved Repair Station No DuPont Lapeer Airport, Lapeer, Min
					LAPEER AVIATION, INC.
					F & A Approved Renair Station No. L9
1		1000			DuPont Lapeer Airport, Lapeer, Michiga

2

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,
	Hrs.	Min.	Hrs.	Min.	Installations, inspections, Modifications and Service Bulletins
aga Feeta	IIIS.	-			5-27-08 315.6 Hobbs. Changed
@	Corpe O North Airport	DINE . Scot	tsciale, Arizon	a 85260 · (48	tiller- look oil sample. Curtifle,
N514BR Mod	el #Cirru HCE	s 22 G	-2 S/N 1 4.3	28, 200 1245 ETT: 2	LAPPER AVIATION, INC.
1CM 10-550	ENGINE				P.A.A. Approved Repair Station No. DuPont Lapeer Alrport, Lapeer, Michigan 49446
complished 50/1 nufacturer's rec	100 hour in	nspection		rdance w	
#1/75 #2/		4 #4/	75 #5/	74 #6/	6/76 N514BR Date: January 2, 2009  Model #Cirrus 23 S(N 1245
ned engine oil, pie with custon ected, no proble Serviced engi	ner supplie ems noted	ed kit. C	out filter o	pen, :H48108-	HOBBS: 334.5 8-1 oil TCM IO-550-N(27) s/n 917486 ETT: 334.5
engine, leak cl					ENGINE LOG ENTRY
a 100 HOUR	spection,	and was	found to	n accord be in an	Accomplished 50/100 hour inspection in accordance with the manufacturer's recommendations.
PORATE JETS	///	4	/	# LN3R	Compression check at 80psi: #1/64 #2/66 #3/70 #4/70 #5/70 #6/66
	1				Accomplished 300 hour fuel injection cleaning.
					Drained engine oil, removed engine oil filter. Took SOAP sample with customer supplied kit. Cut filter open, inspected, no problems noted. Installed new CH48108-1 oil filter. Serviced engine with 8 qts of Aero Shell 15W-50 oil. Ran engine, leak checked, no problems noted.
					Installed new parts: Fuel injection O-rings p/n MS29513-010 (6 ea) Fuel injection brass washers p/n X1473 (6 ea) Fuel injection washers p/n 640612 (6 ea)
D) Co	rpor	ate	Jets	, Inc	I certify that this ENGINE has been inspected in accordance with a 100 HOWR inspection and was found to be in an Alworthy Cyndition. W.O. CIR-08-09093
N514BR Mode	Dat el #Cirrus HOBB	e: Janus 22 S S: 339.	Arkono 852 Jary 18, /N 1245 1 7486 F	2000	ANDMARK AVIANON FAA CRS# LN3R663L
Ved and rejects	NGINE L	OG EN	TRY		201 201 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1
	or was goo	od.			AL.
fy that the above dance with the sum to service.	e stated m current FA W.O. CIR	R's and	nce was p this aircr	performer aft is app	ed in
MARK AVIATION	1/	1/2		N3R663	



Date

LAND	MARK
AVIA	TION

14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

N514BR

Date: January 3, 2011

1 of 2 N514BR Model #Cirrus 22 S/N 1245 **ACFTT 431.8** 

IO-550-N (27) s/n 917486 ETT: 431.8 ENGINE LOG ENTRY

Accomplished 50/100 hour inspection in accordance with the manufacturer's recommendations.

Compression check at 80psi: #1/65 #2/70 #3/75 #4/70 #5/75 #6/72

TCM 100 hour inspection.

500 hour magneto inspection:

Removed and reinstalled both magnetos model S6RSC-25 p/n 10-500556-1 LH s/n D04KA110R & RH s/n D04IA230 after repair. See Arizona Air-Craftsman Maintenance Release dated 12/27/2010, W/O 20737.

Drained engine oil, removed engine oil filter. Took SOAP sample with customer supplied kit. Cut filter open, inspected, no problems noted. Installed new CH48108-1 oil filter. Serviced engine with 8 qts of Aero Shell 15 W-50 oil. Ran engine, leak checked, no problems noted.



14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400 N514BR Cirrus SR 22 S/N 1245 1/3/2011 2 of 2

AD 2010-11-04 dated 6/16/2010, Excessive hydraulic lifter wear, is not applicable to this engine by date of MFG. was prior to 6/19/2009, and no subsequent work has been performed on the lifters.

I certify that this **ENGINE** has been inspected in accordance with a 100 HOUR inspection and was found to be in an Airworthy Condition. W.O. C29-10-00675

LANDMARK AVIATION

FAA CRS# LN3R663L

1/4/2012	Hoks	4861	AD2011-25-51 NA not installed ADS charted
	TTE	486.1	To date . Comp. 1-63 2-73 3-72 4-665-74
			6-67. O. It filter changed onto check good.
			Oil sample taken , Roplaced both spart places
			On # 5 cylander due to crackes An Masalaton
			New RHB325 place pustalled a I contake that
			This engine has been proported in accorde
1 (5)	15.00		With an annual inspection and was
			lound arryporthy
			Kom alk A+PIA3420241.



ne Service and Maintenance Record ons, Inspections, Airworthiness Directives, Special Inspections.

ions and Service Bulletins

	Total	Time	Time Since Last Overhaul		Engine Service and Maintenance Record					
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					
ought Forward		-			Modifications and Service Bulletins					
17-13	4	3			( - 1 70 0 71 1 70 (11 (1 7 7 11 ( 7 7					
	CINC	2			Cog. 1-70 2-72 3-70 4-695-746-70.					
	790	2			AD2011-11-04 NA by year built, AD2012-10-13					
					NA by model number. All ADS complet with					
					to date. Oil + filter changed serviced unti					
					8 ats. Acroshell 15-50 + folter CH48108. All					
					spark place unplaced with new Tempest					
					URHB325 . I certify that the energe his					
					been unspected on accordance with an					
	Sec. 4				annual presention and was found					
			MARKET		a second Ray APA APTA 342 01/4					
					girvering a Ham were (HI) LH )7W HI.					
- REUBEN	HERN.	ANDE2	Z A&P	32561:	Car trye					
ROUTINE	BOR	E-3C	Pre	PER	CONTINENTAL MOTORS 5B03-3)					
73/80 #5 70/8 magneto timin	Reg: I nual Insp o's thru bi 0 #6 71/g to spec	N514BF I ection in -weekly 80, MO	2013-21 - 12/80. Rep	vember 2 detail of F none due placed BA2 ver fuel flo	www.WaterfordAviation.com ental IO-550-N27 S/N: 917486 Position: Center 21, 2013 ACTT: 587.7 TTEng: 587.7 AR 43 Appendix D and IAW Cirrus SR22 & TCM IO-550-N Service Manuals. e at this time. Differential Compression Check: #1 73/80 #2 72/80 #3 72/80 #4 24 engine intake filter with new. Cleaned, gapped, rotated spark plugs. Adjusted					
2013. Ground	run-up lea	k check	and engir	ne operati	one normal Judgican de la Company de la Comp					
END					inspected IAW an Annual Inspection and is found to be in airworthy condition.					



te	Tota	Time	Time S	Since erhaul	La tallations Inspections.	e and Maintenance R Airworthiness Directives, Special In	spections,
	Hrs.	Min.	Hrs.	Min.	Modifications and Service	Bulletins	
	1110					DATE 15 May 2014	
				Mate	ford Aviation, Inc.	A/C TSN 630	
ENGIN	E MODEL	П	maren frame la		and Soad	ENG TT TSMOH	
REG.	E S/N NO N5149R		0	18/obada	rd. MI 48327 (248)-666-3333	HOBBS 630	
	ORDER 5-2014	-					
		5			and replaced filter with new PN.	CH48108-1. Serviced engine with 7 qts Phillips ik performed IAW Cirrus SR22 maintenance manual	
Drain	ed oil remov	ed filter and	inspected for co	ntaminants	none found, replaced filter will file and found and leak check good. All wo	CH48108-1 Serviced engine with 7 qts Phillips k performed IAW Cirrus SR22 maintenance manual 70, #6) 70, all over 80 psi.	
20w50	X/C oil. Adde M service m	d CamGuard anual	d as per instruct	Olis, Olosii	follows: #1) 70, #2) 74, #3) 70, #4) 70, #5	70, #6) 70, all over 80 psi	
Perfo	rmed differen	tial compres	ssion check with	Lieguiz as	Oliona. 4 17 15 15 15		
Mainte	nance Relea	se				CAR miles of the Federal Aviation Regulations and	
The air	craft and/or o	component(s	s) on N514BR w	as repaired	and inspected in accordance with curren of the repair are on file at this repair facili	FARs rules of the Federal Aviation Regulations and y under Work Order No. 2601-05-2014. Dated 15	
W25 10	una Aliwolui	y for return to	o service Peru	1	n		
May, 2				1/1		Work Order: 2601-05-2014	
DATE	15 May, 2	014	SIGNED	A&P 3695	20.0	Printed by EBis 3 (datcomedia.com)	
			Luke	A&P 3000	1100		
			1				
	1						
						DATE: 30 July, 2014	
ENGIN IO-550	E MODEL	Г	near beam		rford Aviation, Inc.	A/C TSN 681 4	
ENGIN	E S/N 9174	86	Ω		irport Road	ENG TT 681 4 TSMOH	
REG. 1	NO N514BR		0	Phone	ord, MI 48327 (248)-666-3333	HOBBS 681 4	
2726-0	7-2014						
	ne Entrie					- for any terminants again found installed now	
Drain	ed engine oil	and took sa	ample for analysi	s by Blacks	arts of Phillips 20w50XC and Camguard	ter for contaminants, none found. Installed new oil additive as recommended. Performed ground run	
of eng	ne, all ops cl	heck good, le	eak check good	All work pr	erformed IAW Cirrus SR22 maintenance	oil additive as recommended. Performed ground run manual and TCM service manual	
Mainte	nance Relea	ise					
			s) on N514BR w	as repaired	and inspected in accordance with current	t FARs rules of the Federal Aviation Regulations and	
was fo	und Airworth	y for return t	to service. Perti	nent details	of the repair are on file at this repair facil	ty under Work Order No. 2726-07-2014 Dated 30	
July, 2	014			/	1//		
DATE	30 July, 2	2014	SIGNED	1/1/1		Work Order: 2726-07-2014	
			Luke Hy	11/1	5185	Printed by EBis 3 (datcomedia.com)	
	-		-				
	NE MODEL		1	Wate	erford Aviation, Inc.	DATE 31 October 2014	
IO-550 ENGIN	D-N27 NE S/N 9174	186	Literan Ammu I		irport Road	A/C TSN 728 2 ENG TT: 728 2	
REG.	NO N514BR		Θ	Water	ord, MI 48327 (248)-666-3333	TSMOH HORRS 728 2	-
	K ORDER 10-2014			Phone	(240)-000-3333	HOBBS 728 2	
Eng	ine Entrie	s					
Drai	ned oil and to	ok sample fo	or evaluation by	blackstone	labs. Removed oil filter inspected for con	taminants, none found. Installed new oil filter, P/N/	
CH48	109-1 Service	ed engine oi	il sump with 7gb	s 20w50xc a	and Camguard as required. Lubricated en us maintenance manual and TCM service	nine controls. Completed ground run of engine, all ops	
			, periorin		as manufacture manual and 10W Service	1100	
	enance Rele						
The a	ound Airword	component	(s) on N514BR v	vas repaired	and inspected in accordance with curren	t FARs rules of the Federal Aviation Regulations and	
Octo	ber, 2014	- Compile	- Fent	ment details	I repair are on file at this repair facil	trans rules of the Federal Aviation Regulations and ty under Work Order No. 2883-10-2014, Dated 31	
DAT	E: 31 Octo	ber 2014	SIGNE	//			
-	2.010010	001, 2014		190		Work Order: 2883-10-2014	
			Luke Ha	ZP 269	5185	Printed by EBis 3 (datcomedia.com)	-
			_ /	-			
		A STATE OF THE PARTY OF					

	Date		Time	The Control of the	Since		and Maintenance Reco
		Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Air Modifications and Service B	rworthiness Directives, Special Inspection
Brough	Forward	-				Modifications and Service B	ulleuris
1.3	ENGINE M	ODFI					DATE 12 December 2014
1000	IO-550-N2 ENGINE S	7	Lin.	wees from the		ord Aviation, Inc.	A/C TSN 728 2 ENG TT 728 2
	REG NO	N514BR		0	2121 Airp Waterford	ort Road MI 48327	TSMOH
	WORK OR 2918-12-20	DER 014			Phone: (2	48)-666-3333	HOBBS 728 2
	Engine						
	Complete bi-weekly; 69 all over compartme be in Airwo Adjusted	ed Annual Ins 2014-24 - no r 80 psi M/O ent and lubni orthy condition idle speed a	ne due at thi = 44/80. Bo cated engine on ind mixture i	rescope insperience controls. I co	ected cylinders ection of cylin ertify that this	Engine has been inspected in accordance wit	Service Manual Researched AD's thru Check #1 62 #2 70 #3 70 #4 74 #5 76 #5 pected & roates (spark plugs Washed engine than Annual Inspection and has been found to
			starter P/N	C24ST5, S/N	4c5241314	Ops checks good.	
		ce Release					
	The aircraf was found December	Airworthy fo 2014	ponent(s) o r return to se	n N514BR wa ervice Pertin	as repaired an	d inspected in accordance with current FARs the repair are on file at this repair facility unde	rules of the Federal Aviation Regulations and er Work Order No. 2918-12-2014, Dated 12
	DATE: 12	2 Decembe	er. 2014	SIGNED		~ Ah	Work Order: 2918-12-2014
- 1895				Luke Hall	369518	5 /27386247	A Printed by EBis 3 (datcomedia.com)
				/		21710	
	ENGINE MOI IO-550-N27		(	Wat	erford Av	ation, Inc.	DATE: 08 February, 2015 A/C TSN: 772.5 ENG TT: 772.5
	ENGINE S/N REG NO NE	917486 14BR	W		Airport Road ford MI 4832		ENG TT: 772.5 TSMOH
	WORK ORDI 2987-02-201	ER	1	Phon-	e (248)-666-3	333	HOBBS 772.5
	Engine E						
	good Removed si new gasket Removed e	qts Phillips 2 tarter adapte Operational o ngine driven aft Accessori	0w-50 X/C or clutch. Inst checks good fuel pump (I	talled 642083 by P/N 655921	amGuard Cle I-A12 clutch as BA1, S/N B04J	inspected for contaminants - none found, instance engine compartment, lubed engine cont overhauled by Aircraft Specialities Services ( A354) and installed overhauled unit (PIN3556 or W.O. M1410-116 with new gasket. Perform	rols and ground run-up ops & leak check  CRS# DD2R764K under W.O. 228805 with  921-3. S/N 808CA160) as overhauled by
	Maintenance	Release					
			ment(s) on t	NS1ARR was	repaired and i	repair are on file at this regain facility under V	Tes of the Federal Aviation Regulations and
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Aircraft Make/N	lodel: Ciri	rus Design	SR22	Serial#: 1	1245
Engine Make/Me	del: TCM	10-550-N	· ·	Serial#: 9	917486
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SIGNATURE 330 Aviation Way **TECHNICA/R** Frederick, MD 21701 301-662-8156

CRS LC1R291K A BBA Aviation company

Date: 7/13/2016; Aircraft: N514BR; Hobbs: 1008.2 Shop Order #: S05-16-62822

ENGINE LOG ENTRY:

Oil and filter changed, serviced with Phillips 20W50XC and Camquard additive. Old filter cut open and inspected, no contaminates found. Post maintenance ground run satisfactory, no leaks noted. I certify that this engine has been inspected in accordance with a SAVVY Cirrus SR2x guide for oil changes and associated service items and has been approved for return to service.

C. John Colalusa for Signature Technicair CRS LC1R291K





A RBA Aviation company

Date: 8/19/2016; Aircraft: N514BR; Hobbs: 1051.7

SIGNATURE 330 Aviation Way Frederick, MD 21701 301-662-8156 CRS LC1R291K

ervice and Maintenance Record pections, Airworthiness Directives, Special Inspections. d Service Bulletins



Shop Order #: S05-16-62858 ENGINE LOG ENTRY:

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Sample taken for analysis. Inspected Brackett air filter and found acceptable for continued service. Post maintenance ground run satisfactory, no leaks noted. I certify that this engine has been inspected in accordance with SAVVY SR2X guide for oil changes and associated service items and has been approved for return to service.



330 Aviation Way Frederick, MD 21701 301-662-8156 CRS LC1R291K

Date: 12/09/2016; Aircraft: N514BR; Hobbs: 1111.8 Shop Order #: S05-16-62960

Oil and filter changed, serviced with Phillips20W50XC and Camguard additive. Old filter cut open and inspected, no contaminates found. Compression checked as follows: 1-64/80 2-58/80 3-50/80 4-58/80 5-58/80 6-60/80 (master orifice reads 40/80) Inspected all cylinders with borescope and recorded digital images. CW ICA for Bendix/TCM mags in accordance with annual/100 hour inspection requirements. Cleaned and inspected all fuel injector nozzles and reinstalled using new seals and gaskets. CW ICA for M20 air/oil seperator by cleaning and inspection. Post maintenance ground run satisfactory, no leaks noted. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been approved for return to service.

SIGNATURE 330 Aviation Way

Aircraft Maintenance CRS LC1R291K

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter

cut open and inspected, no contaminates noted. Cleaned, gapped, rotated and reinstalled

SOQUENCE

all spark plugs. Swapped CHT probes in cylinders number 1 and 3. Inspected, cleaned

and reinstalled EGT probe in cylinder number 5. Inspected and cleaned fuel gascolator.

A 88A Aviation company

Post maintenance ground run satisfactory, no leaks noted.

C. John Colalistator Signature Technicair CRS LC1R291K

Date: 8/15/2018; Aircraft: N514BR; Hobbs: 1308.4

Shop Order #: S05-18-63265

ENGINE LOG ENTRY:

Frederick, MD 21701

301-662-8156

C. John Coladuca for Signature Technicair CRS LC1R291K



Frederick, MD 21701 301-662-8156 CRS LC1R291K

A RRA Aviation company

Date: 12/18/2017; Aircraft: N514BR; Hobbs: 1229.8 Shop Order #: S05-17-63062

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter cut open and inspected, no contaminates found. Compression checked as follows: 1-62/80 2-54/80 3-56/80 4-58/80 5-55/80 6-66/80 (master orifice reads 40/80). Performed borescope inspection of all cylinders and recorded digital images. Post maintenance ground run satisfactory, no leaks noted. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been approved for return to service.

C. John Colalus or Signature Technicair CRS LC1R291K



Frederick, MD 21701 301-662-8156 CRS LC1R291K Aircraft Maintenance A RRA Aviation compan

Date: 6/09/2017: Aircraft: N514BR: Hobbs: 1160.2 Shop Order #: S05-17-62901, Closed: 6/14/2017

OUT OF DATE SEQUENCE

ENGINE LOG ENTRY:

Oil and filter changed, serviced with Phillips 20W50XC and Camquard additive. Old filter cut open and inspected, no contmainates found. Post maintenance ground run satisfactory, no leaks noted.

John Colalusa	for Signature	Techn	icair CRS	LC1R291K	
				Volume 1	

SIGNATURE 330 Aviation Way Frederick, MD 21701 301-662-8156 CRS LC1R291K Aircraft Maintenance OUT OF DATE

A 88A Aviation company

Date: 9/25/2017; Aircraft: N514BR; Hobbs: 1193.1 Shop Order #: S05-17-63001, Closed: 10/03/2017

ENGINE LOG ENTRY

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter cut open and inspected, no contaminates found. Post maintenance ground run satisfactory, no leaks noted. Inspected cylinder number four CHT connector, no problems



Frederick, MD 21701 301-662-8156

Date: 6/25/2018; Aircraft: N514BR; Hobbs: 1278.0 Shop Order # S05-18-63199, Closed: 6/26/2018

OUT OF DATE SEQUENCE

ENGINE LOG ENTRY

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Post maintenance ground run satisfactory, no leaks noted

C John Colaluca or Signature Technicair CRS LC1R291K

330 Aviation Way Frederick, MD 21701 301-662-8156 CRS LC1R291K A BBA Aviation company

Date 1/25/2019; Aircraft: N514BR; Hobbs: 1371.1 Shop Order # S05-19-63394

ENGINE LOG ENTRY

Removed oil cooler s/n 4041270 and installed oil cooler p/n 654585 s/n F04-2147-1143 repaired by Positech International Inc CRS PC8R209J on their work order number 72174 using new gaskets and seals as required. Post maintenance ground run satisfactory, no leaks noted

C. John Colalysa for Signature Technicair CRS LC1R291K

MERIDIAN AIR GROUP	

Culpeper Regional Airport 12539 Beverly Ford Road Brandy Station, VA 22714 540-825-9711

Registration: N514BR Model: Cirrus SR22 S/N: 1245 Hobbs: 1417.7 W/O#: W19-3457 Date: 06-04/2019

→ Drained oil. Blackstone sample taken for analysis. Opened filter and inspected; no metal noted. Installed new filter Champion P/N CH48109-1. Serviced engine with 7 quarts 20W50 Phillips XC and 8 ounces Camguard. Cleaned engine Ground run ops checked; no leaks noted.

Frederick, MD 21701

Martin 2 00 Sal /A&P 3664335 Martin Dodson

SIGNATURE 330 Aviation Way

301-662-8156 Aircraft Maintenance CRS LC1R291K A BBA Aviation company

Date: 8/23/2019; Aircraft: N514BR; Hobbs: 1442.6 Shop Order #: S05-19-63524

ENGINE LOG ENTRY:

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter cut open and inspected, no contaminates found. Post maintenance ground run satisfactory, no leaks noted.

C John Colalugator Signature Technicair CRS LC1R291K

ervice and Maintenance Record pections, Airworthiness Directives, Special Inspections,

SIGNATURE 330 Aviation Way Aircraft Maintenance

Frederick, MD 21701 301-662-8156 CRS LC1R291K

A 88A Aviation company Date: 12/21/2018; Aircraft: N514BR; Hobbs: 1368.3 Shop Order #: S05-18-63368, Closed: 1/02/2019

1 Service Bulletins

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter cut open and inspected, no contaminates found. Compression checked as follows: 1-66/80 2-66/80 3-70/80 4-62/80 5-66/80 6-66/80 (master orifice reads 48/80). Inspected all cylinders using borescope and found no discrepancies. Removed mags s/n's D041A230 and D04KA110 and reinstalled same after overhaul by Aircraft Electrical Components Inc CRS# S7HR883J on their work order number FDK-18-116280. Removed oil cooler s/n F04-2147-1143 and installed new cooler s/n 4041270. CW ICA for position tuned nozzles by cleaning and inspection. Post maintenance ground run satisfactory, no leaks noted. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been approved for return to service.



Date: 9/24/2019; Aircraft: N514BR; Hobbs: 1486.7 Shop Order #: S05-19-63539

ENGINE LOG ENTRY:

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter cut open and inspected, no contrainates found. Post maintenance ground run

satisfactory, no leaks noted.

C. John Colalus	T		
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SIGNATURE A BBA Aviation company

nd Service Bulletins

330 Aviation Way Frederick, MD 21701 301-662-8156 CRS LC1R291K

Service and Maintenance Record

spections, Airworthiness Directives, Special Inspections

Date: 1/02/2020; Aircraft: N514BR; Hobbs: 1536.5 Shop Order #: S05-19-63577, Closed: 12/31/2019 Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive Compression checked as follows: 1-62/80 2-60/80 3-68/80 4-60/80 5-64/80 6-64/80 (master orifice reads 44/80). Inspected all cylinders using borescope and found condition of all consistent with time in service. CW ICA for TCM mags per annual/100 hour inspection requirements. Performed fuel system check/setup and adjusted parameters. as required. CW ICA for TCM position tuned nozzles by cleaning and inspection. Re-positioned fuel line support at number three intake tube. Fabricated and installed by riveting a patch on right side outboard baffle. Post maintenance ground run satisfactory, no leaks noted. I certify that this engine haas been inspected in accordance with a 100 hour inspection and has been approved for return to service.

Signature Technicair CRS LC1R291K

SIGNATURE 330 Aviation Way Aircraft Maintenance

Frederick, MD 21701 301-662-8156 CRS LC1R291K

A BBA Aviation company Date: 7/09/2020; Aircraft: N514BR; Hobbs: 1564.4 Shop Order #: S05-20-63476

Oil and filter changed, serviced with Phillips 20W50XC and Camguard additive. Old filter cut opn and inspected, no contaminates found. Post maintenance ground run satisfactory,

C. John Colauca for Signature Technicair CRS LC1R291K

MAKE: Cirrus Design

DeltaFox Repair Station No. 897R016D MODEL: Sr22 S/N: 1245 REG. NO: N514BR WORK ORDER:

3444-07-2020

Airframe Entries

Removed inoperative CHT Probe on #6 Cylinder. Installed new CHT Probe with new wiring connectors, Kit 70134-002 IAW Cirrus SB 2X-77-02 R2 and AMM 77-20 Ops check good

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 7/16/2020

Gudmundur Therleitsson

Work Order: 3444-07-2020

DATE: 7/16/2020

A/C TSN: 1565.4

HOBBS: 1565.4

Certified Repair Station No. 897R016D

**DeltaFox Aviation** 

Manassas, VA 20110

Phone: 703.438.8450

10771 James Payne Court

Printed by EBis 3 (datcomedia.com)

SIGNATURE 330 Aviation Way A BBA Aviation company

TECHNICAR Frederick, MD 21701 301-662-8156 Aircraft Maintenance CRS LC1R291K

Date: 9/18/2020; Aircraft: N514BR; Hobbs: 1600.6 Shop Order # S05-20-63511

ENGINE LOG ENTRY:

Oil and filter changed, serviced with Phillips 20W50XC and Camquard additive. Old filter cut open and inspected, no contaminates found. Compression checked as follows: 1-66/80 2-60/80 3-66/80 4-66/80 5-61/80 6-66/80 Post maintenance ground run

ENGINE MODEL: 10550N DeltaFox Aviation REG. NO: N514BR WORK ORDER: 3618-09-2020

DeltaFox Repair Station No. 897R016D 10771 James Payne Court Manassas, VA 20110

Phone: 703.438.8450

DATE: 10/15/2020 A/C TSN: 1610.5 ENG TT: 1610.5 TSMOH: HOBBS: 1610.5

rvice and Maintenance Record

ections, Airworthiness Directives, Special Inspections,

Service Bulletins

#### **Engine Entries**

Performed crankcase pressure test, 75 KNOTS on Altimeter, 90 knots is max limit. Bore scoped cylinders. Light oil found in cyl.#3 and#5. Small amount of oil found coming out of cylinder fuel drain mast after priming. Work done IAW TCM M-16.

Checked cylinder intake drain line. Small amount of oil was present at first fuel priming of engine.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 10/15/2020

SIGNED: Gudmundur J. Thorleifss Certified Repair Station No. 897R016D

Work Order: 3618-09-2020

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10550N ENGINE S/N: 917486 REG. NO: N514BR WORK ORDER: 3718-11-2020

**DeltaFox Aviation** DeltaFox Repair Station No. 897R016D 10771 James Payne Court Manassas, VA 20110 Phone: 703.438.8450

DATE: 1/20/2021 A/C TSN: 1651.5 ENG TT: 1651.5 TSMOH: HOBBS: 1651.5

### **Engine Entries**

Complied with 100 hr / Annual Engine Inspection IAW Cirrus SR22 AMM Inspection Guide 5-20.

Removed cowlings. Cleaned engine and performed run up. Inspected for leaks and general condition. Performed Compression check: #1 66/80, #2 64/80, #3 73/80, #4 58/80, #5 64/80, #6 68/80 M.O. 42. Checked magneto timing. Inspected electrical wiring

Drained oil and serviced with 7 quarts of Phillips X/C 20W50 and added 10 fl.oz of CamGuard. Removed and replaced oil filter P/N CH48108-1, cut open and inspected, no metal in filter. Re-installed cowlings and performed post operational run, no leaks noted at this time. Verified AD compliance through bi-weekly issue 2021-02.

Adjusted the Fuel Injection System per Continental M-0 Manual Sections 6-4.10 and 6-4.7.

Removed all 6 fuel injectors and cleaned. Reinstalled injectors with new crush gaskets P/N: X1473 and o-rings P/N: 630979-9. All work performed IAW Continental IO-550 M-16 section 12-4 & 17-11. Leak check good.

AD 2020-16-11 is N/A by no cylinders have been replaced on or after November 1, 2014

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 1/20/2021 SIGNED: Work Order: 3718-11-2020 Gudmundur J. Thore Printed by EBis 3 (datcomedia.com) Certified Repair Station No. 897R016D



ENGINE MODEL: 10550N FIGINE S/N 917486 REG. NO: N514BR WORK ORDER:

**DeltaFox Aviation** DeltaFox Repair Station No. 897R016D 10771 James Payne Court Manassas, VA 20110 Phone: 703.438.8450

DATE: 3/4/2021 A/C TSN: 1670.7 FNG TT: 1670.7 TSMOH: HOBBS: 1670.7

Record ispections.

### 3873-01-2021 **Engine Entries**

Bro

Complied with Oil Change and Associated Service Items for Cirrus SR22 in accordance with Cirrus SR22 AMM Sect. 12-10. Removed engine cowlings. Drained and serviced engine with 7 quarts of Phillips X/C 20W50 Oil and 11oz of Camguard. Recovered oil sample. Removed and inspected oil Fillings ATO 201900 Oil and 1102 of Campuage. Recorded oil annual recorded oil filter, no contaminates noted. Installed new oil filter P/N: CH48108-1. Reinstalled engine cowlings. Leak check good.

Ignition lead #3B found loose. Torqued ignition lead and checked torque on all leads IAW Continental

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

SIGNED DATE: 3/4/2021

Gudmundus That enteron Certified Repair Station No. 897R016D

ENGINE MODEL: 10550N (27) FNGINE S/N 017486 REG. NO: N514BR WORK ORDER 3957-03-2021

**DeltaFox Aviation** DeltaFox Repair Station No. 897R016D 10771 James Payne Court Manassas VA 20110 Phone: 703 438 8450

DATE: 4/29/2021 A/C TSN: 1702.8 ENG TT: 1702 8 TSMOH: HOBBS: 1702.8

Work Order: 3873-01-2021

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#### **Engine Entries**

Complied with Oil Change and Associated Service Items for Cirrus SR22. Removed engine cowlings. Drained and serviced engine with 7 quarts of Phillips XC 20W50 oil and 10oz of Camquard. Recovered oil sample. Removed and inspected oil filter, no contaminates noted. Installed new oil filter P/N: CH48109-1, IAW Cirrus SR22 AMM 79-20, Reinstalled engine cowlings, Leak check good.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service

DATE: 4/29/2021

SIGNED: Gudmundur J. Thorley Son Certified Repair Station No. 897R016D

Work Order: 3957-03-2021 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10550N DeltaFox Aviation DeltaFox Repair Station No. 897R016D ENGINE S/N: 917486 10771 James Payne Court REG. NO: N514BR Manassas, VA 20110 WORK ORDER

DATE: 6/21/2021 A/C TSN: 1719.5 ENG TT: 1719.5 TSMOH: HOBBS: 1719.5

#### 4180-06-2021 **Engine Entries**

Performed compression test results as follows: #1 56/80, #2 51/80, #3 56/80. #4 64/80, #5 70/80, #6 66/80. Master orifice 44/80. Reinstalled plugs, plug wires and cowling. Performed engine ground runs, no defects noted at this time

Performed borescope of all cylinders the #3 and #4 cylinders had some oil in the bottom of cylinders, #5 and #6 cylinders had a little oil in the bottom of cylinders. Reinstalled plugs, plug wires and cowling Performed engine ground runs, no defects noted at

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service,

DATE: 6/21/2021

Phone: 703.438.8450

Work Order: 4180-06-2021

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10550N

ENGINE S/N: 917486 REG. NO: N514BR WORK ORDER: 4187-06-2021

**DeltaFox Aviation** 

DeltaFox Repair Station No. 897R016D 10771 James Payne Court Manassas, VA 20110 Phone: 703 438 8450

DATE: 7/27/2021 A/C TSN: 1721 6 ENG TT: 1721 6 TSMOH HOBBS: 1721.6

#### **Engine Entries**

Removed engine cowlings, RH side baffling and RH exhaust. Removed cylinder #3 assembly P/N: 658595 S/N: AC04JB999 and installed repaired cylinder and valve assembly P/N: 658595 S/N: AC16AB605. Reinstalled exhaust and baffling. All work done IAW Continental IO-550 M-16 and Cirrus SR22 AMM 71-00 & 78-10. Leak and Ops check good

Removed engine cowlings, LH side baffling and LH exhaust. Removed cylinder #4 assembly P/N: 658595 S/N: AC04JA827 and installed repaired cylinder and valve assembly P/N: 658595 S/N: AC15FB437. Reinstalled exhaust and baffling. All work done IAW Continental IO-550 M-16 and Cirrus SR22 AMM 71-00 & 78-10. Leak and Ops check good.

Performed oil change due to Cyl 3 & 4 replacement referencing Cirrus SR22 AMM 12-10. Drained oil and removed oil filter. No contaminants found. Installed new oil filter P/N: CH48108-1, serviced engine with 7 qts of Phillips 20W-50 mineral oil. Leak check

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 7/27/2021

SIGNED: Gudmundur J. Those

Work Order: 4187-06-2021

Printed by EBis 3 (datcomedia.com)

FNGINE MODEL: 10550N (27) FNGINE S/N 917486

REG. NO: N514BR WORK ORDER 4463-11-2021

**DeltaFox Aviation** DeltaFox Repair Station No. 897R016D

Certified Repair Station No. 897R016D

10771 James Payne Court Manassas, VA 20110 Phone: 703.438.8450

DATE: 11/2/2021 A/C TSN: 1757 5 ENG TT: 1757 5 TSMOH: HOBBS: 1757.5

**Engine Entries** 

Complied with Oil Change. Removed engine cowlings. Drained and serviced engine with 7 quarts of Phillips X/C 20/50 Oil. Removed and inspected oil filter, no contaminates noted. Installed new oil filter P/N: CH48108-1, IAW Cirrus SR22 AMM 79-20. Reinstalled engine cowlings. Leak checks good.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 11/2/2021

Timothy Whitehead Certified Repair Station No. 897R016D

SIGNED:

Work Order: 4463-11-2021

Printed by EBis 3 (datcomedia.com)

Star Aviation Services 108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

(423) 499-1100

Date: 12/2/2021

N514BR Cirrus SR22

S/N: 1245 HM 1781.4

Removed and replaced the Starter P/N C24ST5 S/N 4C5-241314 with a new unit P/N C24ST5 S/N H-V101583 I/A/W Cirrus SR22 AMM and Sky-Tec installation instructions. Ops checked good. Aircraft found to be in an airworthy condition and is approved for return to service for the work performed.

Details are on file at Star Aviation Services under W.O. # M6984P.

Randall W. Moats AP3336808IA

**Reg: MSI-BR   Eng. No.   Inspections, Ainworthiness Directives, Specitions and Service Bulletins  **Inspections   Inspections   Inspections	al Inspections,
Reg. SNSH4BR Reg.	
Reg: NST4BR Reg: N	
Model	10 May
Make Deal Trishold Tr	
1. CW ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D - Using TCM/Cirrus AMM as a guide. 2. Removed and cut open oil filter, NDN installed new oil filter PN AA48108-2. Serviced engine with 8 QT or 20/50 Phillips. 3. Checked compressions #1:60 #3:76 #5:60 #2:68 #4:72 #6:64  I certify that this engine has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.  Jeff Pleiman 3304319 IA  Www.stellaviation.com  Abilene Aero Inc. 2850 Airport Blvd. Abilene N514BR Date: 4/8/2022 A/C TT:1821.6  S/N 17251643 W0#22-22419  Drained oil removed filter and inspected for contamination. None found. Installed new AA48108-2 filter. Serviced engine with 8 quarts of Phillips 20W50XC. Ground ran to check for leaks none noted at this time.	
FAR 43 APPENDIX D - Using I Covincinto August 2016.  2. Removed and cut open oil filter, NDN installed new oil filter PiN AA48108-2. Serviced engine with 8 QT of 20150 Phillips.  3. Checked compressions #1:50 #3:76 #5:50 #2:68 #4:72 #6:54  I certify that this engine has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.  Jeff Pleiman 3304319 IA  Abilene Aero Inc. 2850 Airport Blvd. Abilene TX 79602  N514BR Date: 4/8/2022 A/C TT:1821.6  S/N 17251643 WO#22-22419  Drained oil removed filter and inspected for contamination. None found. Installed new AA48108-2 filter. Serviced engine with 8 quarts of Phillips 20W50XC. Ground ran to check for leaks none noted at this time.	
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Serviced engine with 8 quarts of Phillips 200050XC. Ground rail to check for leaks note instance at the	
Serviced engine with 8 quarts of Phillips 200050XC. Ground rail to check for leaks note instance at the	
0.	
Tool	
Approved for return to service for	
work completed	
Roger Thackerson AP4152960	

Date	H 901	Total Time		Since	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections Modifications and Service Bulletins
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