

ENGINE MAINTENANCE RECORDS



ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N1640C
Engine Manufacturer Teledyne Continental
Model 10 - 550 - ル
Serial No687494
Pate installed on aircraft
ime Between Overhauls (TBO) Hours
If used on multi-engine aircraft:
☐ Right ☐ Left
☐ Front ☐ Rear



(All applicable information must be filled in)

AEROTECH PUBLICATIONS INC.

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2012 1 Sept. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tion Name and Address: RE ENGINES, INC., 476	A AIDMADT I	tion and when the state the state of the state of the state of		CANAL TRANSPORTED TO SERVICE	Display Lift from the Enterphine Commence with	_	14dille	Order/Contract/Invoice
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17. Name			18. Date:	User/I	Steven A Da	ped or Printed): rr, Inspector		23. I May	R316Y Date (m/d/y):





N1640C ENG. S/N: 687494 Date: 5/12/2011 Engine Flight 0.0 TSN: 2078.9 TSMOH: 0.0

This engine reinstalled in aircraft after overhaul by Signature Engines RS# E5ZR316Y

- Serviced oil with 8 qts of Aeroshell W100 straight mineral oil.
- Installed new Saf-Air products oil drain valve p/n# S6250
- Inspected fuel inlet filter.
- Performed TCM SID97-3E functional inspection of fuel injection system.
- Performed post maintenance engine run-up and leak check per TCM SB M89-7R1. No leaks noted. Aircraft test flown per service bulletin. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

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N1640C ENG. S/N: 687494 Date: 5/27/2011 Engine Flight: 14.8 TSN: 2093.7 TSMOH: 14.8

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

Inspected fuel inlet filter.

Performed TCM SID97-3E functional inspection of fuel injection system.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200

N1640C

Date: 6/17/2011

Engine

Hobbs: 2147.8 Flight: 55.0

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 Date: 8/5/2011 Engine Flight: 115.4 TSN: 2194.3 TSMOH: 115.4

Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20 The following work was accomplished at this time:

Compressions: 1)72/80 2)65/80 3)72/80 4)70/80 5)74/80 6)72/80 master orifice 42psi.

Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.

Installed new oil filter p/n AA48108-2

Inspected fuel inlet filter.

Installed new prop governor gasket p/n FH0502.

Performed TCM SID97-3E functional inspection of fuel injection system.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.





N1640C

Date: 9/16/2011

Engine

Hobbs: 2286.1 Flight: 167.3

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Oil sample taken for analysis. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA

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DATE

N1640C ENG. S/N: 687494 Date: 3/1/2012 Engine Flight: 312.4 TSN: 2391.3 TSMOH: 312.4 Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20 The following work was accomplished at this time:

Compressions: 1)78/80 2)72/80 3)76/80 4)70/80 5)70/80 6)68/80 master orifice 42psi.

Inspected fuel inlet filter.

Performed TCM SID97-3E functional inspection of fuel injection system.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200

N1640C

Date: 4/3/2012

Engine

Hobbs: 2536.9 Flight: 363.3

Changed engine oil. Serviced oil with 8 qts. of 15y-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Oil sample taken for analysis. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA Z



4510 Airport Rd Cincinnati OH 4 (513) 321-1200



N1640C ENG. S/N: 687494 Date: 4/25/2012 Engine Flight: 409.3 TSN: 2488.2 TSMOH: 409.3 Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20 The following work was accomplished at this time:

Compressions: 1)78/80 2)66/80 3)68/80 4)71/80 5)70/80 6)70/80 master orifice 44psi.

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.

Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.

Oil sample taken for analysis.

Inspected fuel inlet filter.

Left magneto drive gear found sheared. Installed repaired magneto p/n 10-50056-1 s/n off: D08DA192R s/n on: D07BA115.

Performed TCM SID97-3E functional inspection of fuel injection system

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200

N1640C

Date: 6/6/2012

Engine

Hobbs: 2679.0 Flight: 474.0

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Oil sample taken for analysis. Run-up checks good. No leaks noted.









N1640C ENG. S/N: 687494 Date: 6/29/2012 Engine Flight: 509.8 TSN: 2588.7 TSMOH: 509.8

Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20

The following work was accomplished at this time:

Compressions: 1)78/80 2)79/80 3)76/80 4)73/80 5)78/80 6)70/80 master orifice 44psi.

Inspected fuel inlet filter.

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2. 3. Installed new air filter p/n ba-3.

Performed TCM SID97-3E functional inspection of fuel injection system.

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.

Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.

Oil sample taken for analysis.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



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N1640C Date: 8/1/2012 Engine Hobbs: 2779.5 Flight: 553.2 TSMOH: 553.2

Removed and replaced alternator p/n 646843 with overhauled unit. Serial number off: 004GA828R, on:008FA115.

Installed new manifold pressure sensor p/n 12635-001,

Run-up and operational tests good.





N1640C

Date: 8/9/2012

Engine

Hobbs: 2754.8 Flight: 556.9

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Oil sample aken for analysis. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 Date: 9/26/2012 Engine Flight: 604.0 TSN: 2682.9 TSMOH: 604.0

Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20

The following work was accomplished at this time:

Compressions: 1)74/80 2)78/80 3)76/80 4)70/80 5)74/80 6)67/80 master orifice 42psi.

Inspected fuel inlet filter.

Installed new #6 cht probe p/n 16578-001.

Performed TCM SID97-3E functional inspection of fuel injection system.

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. 5.

Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.

Oil sample taken for analysis.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

TOTALS-Carry forward to next page



Certified Repair Station E5ZR316Y 4760 Airport Road, Hangar 6 513-871-9966 fax 513-871-9261 Cincinnati, Ohio 45226

LOGBOOK ENTRY

Date:12/11/2013 Model:IO-550-N S/N:687494 W.O. E5931 Hobbs: 771.9

Disassembled engine for inspection. Magnafluxed crankshaft, OK. Crankshaft sent to Phils Cylinder Service for UT inspection and installed. Zygloed crankcase OK. Assembled engine with new gaskets, main bearings, rod bearings, adp bearings, c.w. pins, blade bushings, c.w. plates, c.w. circlips, r/g lifters, crank bolts, mag couplings, lock plates, lock washers, alternator gear bolts, camshaft bolts, rod bolts, and rod nuts. A copy of all A.D. complied with and parts sheet supplied. Test ran engine to check operations. This engine is in serviceable

Terrence McRoberts, Inspector



4510 Airport Rd. Cincinnati OH.45226 (513) 321-1200



N1640C Date: 12/20/2013 Engine S/N 687494 Flight: 871.9 TSMOH: 871.9

- Installed engine per Cirrus AMM 71-00 after repair of crankshaft starter gear bolts by Signature Engines CRS# E5ZR316Y under Work Order E5931.
- 2. Installed new alternate air support tube p/n 18293-001.
- 3. Installed repaired prop governor after repair of leak by Professional Aircraft Accessories under WO#571409.
- 4. Serviced engine with 8 qts. Aeroshell 15w50wt oil.
- 5. Installed new oil filter p/n AA48108-2.
- 6. Removed faulty Tanis sump heater and installed Reiff Hotstrip oil sump heater p/n 08-00688. Weight change negligible.

7. Engine run-up accomplished per Cirrus AMM 5-30. Checks satisfactory

Greg Herrmann 406901563IA

4510 Airport Rd. Cincinnati OH 45226



N1640C

Date: 3/18/2014

(513) 321-1200

Engine Hobbs: 3288.1 Flight: 957.6

1. Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.

2. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.

3. Oil sample taken for analysis.

Installed new oil pressure transducer p/n 12635-004.

Run-up checks good. No leaks noted.

Signature Engines, inc.

SEF #7

4760 Airport Road Cincinnati, Ohio 45226 (513) 871-9966 fax (513) 871-9261 Repair Station #E5ZR316Y

AKE: Co. MODEL: 10 S50 N SN.: 68799 ATED H.P.: J10 RATED R.P.M.: 2700 T.C. NO.: £350 VORK ORDER NO.: £5931 CYL. TYPE: 57cc DATE COMPLETE: 12/9/12 Engine T.S.M.O.: Hr. Engine T.T.S.N.: Technician Signature: Inspector Signature: Prop Dovel Boshings: Craskshaft SN.: NO.5AB.503 Case Match #: Rod Journals Dia: STO Mag. Drive Gear Backlash: Mag. Drive Ge	ENGINE OVERHAUL / T.D.L. RECORD								
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SEF#6



4760 Airport Road Cincinnati, Ohio 45226 (513) 871-9966 fax (513) 871-9261 Repair Station # E5ZR316Y

Maintenance Compliance Record

Make CONTINENTAL	Model	10-550 N	Serial No. 687494
Work Order No £ 5731	Inspector _	Jerry Moke	25ets Date 12/9/13

	Inspector Jerry MROSETS Date	12/9/13
		
Number	Method of Compliance	Initial
S.B. M76-4	CRANKCASE OIL SEAL INSTALLED AND HELIX SEAL AREA PER S.B.	Militar
S.B. M85-10	CYLINDER HOLD DOWN NUTS PER S.B.	~
S.B. M87-23	CRANKSHAFT, COUNTERWEIGHT IDENTIFIED AT OVERHAUL PER S.B.	~
S.B. M89-19	REDESIGN OF LOWER THROTTLE BODY BRACKET PER S.B.	NA
S.B. M90-16	7 TH STUD IMPROVEMENT OF CRANKCASE PER S.B.	N
S.B. M90-17	CRANKCASE INSPECTION CRITERIA PER S.B.	~
S.B. M91-9	CAM & LIFTER LUBRICATION DURING ENGINE BUILD UP PER S.B.	~
S.B. M92-7	DECK STUDS PER S.B.	~
S.B. M92-9	FLANGED .500 THRU BOLT NUT P/N 652541 PER S.B.	~
S.B. M93-4	CRANKSHAFT COUNTERWEIGHTS PER S.B.	1
S.B. M93-5	CHAMFER OF CRANKCASE MAIN BEARING OIL FEED HOLES PER S.B.	1
S.B. M93-8	ROCKER ARM TO ROTOCOIL CLEARANCE PER S.B.	1
SIL. 93-15	GENERAL PRACTICES FOR USE OF LOCKWIRE, TAB WASHERS & COTTER PINS	~
S.B. 94-2	OIL FILTER ADAPTER MOUNTING STUD PER S.B.	~
M.S.B. 94-8C	MAGNETO TO ENGINE TIMING PER S.B.	1
CSB.94-15	CRANKCASE STUD INSPECTION PER S.B.	~
S.B. M96-3B	CRANKSHAFT GEAR BOLT INSPECTION PER S.B.	N
S.B. 96-7C	TOROUE LIMITS PER S.B.	~
S.B. 96-11B	INSPECTION DUE TO PROPELLER STRIKES AND HYDRAULIC LOCKS	NA
S.B. 97-6B	MANDATORY REPLACEMENT PARTS (ENGINE ONLY)	NA
SIL 99-2B	CURRENT LISTING OF SEALANTS, ADHESIVIES PER S.B.	~
SB00-3A	CRANKSHAFT, ROD & COUNTERWEIGHT INFORMATION PER S.B.	~
3D00-3A	Old History 1, 100 at 50	
A.D. 93-08-17	CORRECT OIL PICK UP TUBE PER S.B. M91-10R1	~
A.D. 93-16-15	FUEL PUMP DRIVR COUPLING PER MSB 95-6	~
A.D. 95-03-14	INSPECTION OF ENGINE MOUNT BRACKETS PER M.S.B. 94-9	NA
A.D. 99-19-01	CRANKSHAFT INSPECTED FOR CRACKS PER MSB 99-3C AND CSB 99-6A	~
A.D.00-23-21	CRANKSHAFT INSPECTED PER MSB 00-5D	~
A.D.09-24-52	HYDRULIC LIFTER P/N NOT USED IN ENGINE	
A.D.09-24-32	III DROLLO DA 1220	
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Continental Engine Assembly Inspection

MakeCONTINENTAL	Model	To	550	N	Serial No.	487494
Work Order No. E 5931	Inspector	10	my 1	m Rusut		-110

	Assembler Initial	Inspecto
Crankshaft Inner Plug	Thursday .	135
Front Crankshaft Oil Seal	1	135
Crankshaft Counterweight Bushings	1.~	135
Counterweight Pins, Plate, Snap Ring And Bushings		
Connecting Rod Bearings (std.) .010		135
Connection Rod, Bolts, Torqued, Cotter Pins Bent Over		135
Oil Transfer Collar And Clearance Checked	1	135
Alternator Gear And Bolt On Crank Torqued And Safety		
Crankshaft Gear Bolts Torqued And Safety	~	05
Camshaft Plug In The End Of Camshaft, Gear And Bolts. Torqued (Std. P20	~	05
Clean All Oil Passages In Crankcase And Plugs Installed	1	15
Check All Caste Surfaces	1	135
Vacuum Pump Drive Gear To Camshaft Shims (O-200-Series)		V-2
Crankshaft Main Bearings And Thrust Washers (std010	NA-	-
Propeller Shaft Bearings	NA	135
Camshaft Saddle -(stdP20	1	135
Thru-Bolt O-Ring Seals Installed	1	·
Starter Pivot Bearing	NA	135
Cyl. Base Studs Wired Brushed And Oiled After Cylinder Installed	12	35
Cyl. Base Nuts Wired Brushed Inside And Oiled	1	135
Cylinders And Cylinder Base O-Rings Installed	1	195
Lifters And Plungers	1	135
Push Rods And Push Rod Sockets	N	135
Rocker Arms, Shafts, Spacers And Retainers	1	35
Rocker Arm Shaft Retaining Bolts Torque And Safety		125
Oil Pump Assembly Checked And Torque	N	135
Oil Pressure Relief Valve And Spring	12	135
Needle Bearing In Front Camshaft Bearing Support	NA	
Retaining Plate, Bolts And Snap Ring In Prop Drive Gear Quill Shaft	NA	
Oil Cooler, Baffle And Support	1	135
Oil Suction Tube Bolts Torqued And-Safety	1	135
Needle Bearing In Accessory Drive Gear (GTSIO-520)	NA	
Engine Mount Brackets Torqued	N	135
Needle Bearing In Case For Starter Adapter	1	39
Magneto Drive Gear Cushion		09
Cylinder Base Nuts Torqued	1	135

Signature ENGINES, INC.

SEF #4

4760 Airport Road Cincinnati, Ohio 45226
(513) 871-9966 fax (513) 871-9261
Repair Station # E5ZR316Y

14

Continental Connecting Rod Maintenance Release

Com	necting Rod	No	655911		B	olt No	655958
Bush	ning No		530658	The state of the s	1	lut No.	654490
	Rod No.	1	2	3	4	5	6
Rod	Width At Crank	1.470	1.470	1470	1.470	1.470	1.470
Crank	End I.D.	2.375	2.375	2.375	2.375	2.375	2.375
Tv	vist Check	+/007	+/007	+/007	+/007	+/007	+/- 007
Ве	nd Check	+/- 005	+/005	+/005	+/005	+/005	+/005
Ro	ds Weighted	+/-1/2 02	+/-1/2 oz. V	+/-1/2 02.	+/-1/2 oz. V	+/-1/2 oz.	+/-1/2 02
Pistor Bushi	Pin To Rod ng Clearance						
	Service I	Bulletins, Ser	vice Instruc	ctions, Service I	Letters & A.I	D. Notes Comp	lied With
N	umber			Method of	f Complian	е	Initial
S.B.	M72-17R1	WEIGHT DIFFEI	RENCE				RK
SB07	7-1	INSPECTION OF	CONNECTING	ROD BUSHING			- KK
					`		

			The Follow	ing Parts Have	Been Repla	ced	
<u> </u>	Part No.	Part De	scription			Remarks	
Qty		BUSHING		MAGNAFLUXED REBU	SHED LINE BORED F	BALANCED & CHECKE	D ALIGNMENT
12	530658 En 655958	BOLT		LOT* 3711	7		
10		NUT		LOT# 316	63		and the second section of the s
	TCA 654490	n N.				2-3-13	
Tec	Technician Date 12/3/17						
Insp	pector	110			Dan		10/05

A STATE OF THE PERSON NAMED IN	FAA / United States	AIRWORTH	NESS APPROVA	L TAG	ASH0	21414
4 Orga	2860 NORT TULSA, OK	SPECIALTIES SERVICE H SHERIDAN ROAD 74115 R STATION NO. DD2R	FAX:	(918) 836-((918) 836-(t Invoice No
6 hem	7 Description	8. Part Number	P Eligibility	10 Quantity	11 Sersel/Berch No	12 Status Wi
$-q^{*}$	LIFTER	SA628488	NA NA	8	NA PLA	OVERHAU
1.00	months and the second	TES SERVICES DRAWING	2002-01			
	rtifies the items identified formity to Approved design data and operation	above were spanishedured	work identified in	ss otherwis Block 12 s	Other regular in Block 13 e specified in Block and described in Block with Tirle 14, Code	13, the
	Non-approved design dat	n specified in Black 13	Regulations, part are approved for r			of Federal
		16. Approvat Authorisation No.	Regulations, part	eturn to ser		of Federal the items valv
	Non-approved design dat	16. Approval	Regulations, part are approved for r	grature grature or Printed)	21. Approx Certific DD2R	of Foderal the items salvane No.
17. 14	Non-approved design date theretoed Signature	16. Approval/ Authorisation No.	Regulations, part are approved for r 20. Authorized Signature of the second se	grature grature or Printed) yenter	21. Appro- Certific DD2R 23. Date (s	of Federal the items (a) whe No. 784K

11. 14.2.1

6. Item.		R STATION NO. DD2R			boo I	n #	1333 h No 112 S
1,	7. Description: LIFTERS	8. Part Number: 653877		9.Eligibility N/A	6	I I. Serial/Batc	No 12. Si
		TES SERVICES DRAWING	3 2002-01				
A 2012 1	이 그들은 내내에 가장하는 것 이 아이들은 것은 아니다는 데이트 아름다면	above were manufactured.	19.	14 CFR	43.9		regulation s
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Signature

INSPECTOR_

ENGINES, INC.

SEF #10

4760 Airport Road Cincinnati, Ohio 45226 (513) 871-9966 fax (513) 871-9261

Repair Station # E5ZR316Y ENGINE TEST LOG FOR SHIPPED ENGINE ENGINE MODEL 10-550-N ENGINE S/N 687494 T/C# E3SO TEST OPERATOR Douglos Phlein WORK ORDER NO. F 5931 OIL C.H.T. R.P.M. C.H.T. TIME C.H.T. C.H.T. C.H.T. M.P. PRESS TEMP #1 #2 #5 #3 #4 #6 #7 #8 21] asy 38C 15% 4x TOTAL TIME 2.25 Tach Drive Check 1/4 Prop Gov Pad 37 Mag To Eng. Timing Dk 22 Magcheck RPM 2100 L/M RPM Drop 58 R/M RPM Drop 63 Carb /F. LO/H-Test C. C. R.P.M. Oil Pressure 56 Supplied Fuel Pressure 8 OK Idle Cut Off____ Idle Mixture Check Idle Fuel Pressure 1/19 T.O. Fuel Pressure 1/19 Idle Oil Pressure Idle RPM Idle Unmeter F/P 12 Idle Meter F/P 5 Meter F/P T.O. 23

M89-7R1 Engine operation after cylinder replacement and or major overhaul. Did

RUNNING VISUAL INSPECTION Damy of Victorian Unmeter F/P T.O. 35



4510 Airport Rd. (513) 321-1200



N1640C ENG. S/N: 687494 Date: 5/5/2014 Engine Flight: 998.3 TSN: 3076.8 TSMOH: 906.0 Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20

The following work was accomplished at this time:

Compressions: 1)74/80 2)68/80 3)73/80 4)66/80 5)72/80 6)64/80 master orifice 42psi.

Inspected fuel inlet filter.

3. Cleaned fuel nozzles.

Installed new induction air filter p/n BA-3.

Performed functional inspection of fuel injection system per TCM M-16 overhaul manual. Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.

7 Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.

Oil sample taken for analysis.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C Date: 6/27/2014 Engine Hobbs: 3405.0 Flight: 1052.0 TSMOH: 1052.0

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.

Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. 2.

3. Oil sample taken for analysis.

Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA





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N1640C ENG. S/N: 687494 Date: 8/28/2014 Engine Flight: 1099.1 TSN: 3177.0 TSMOH: 1099.1 Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20 The following work was accomplished at this time:

Compressions: 1)66/80 2)68/80 3)72/80 4)76/80 5)70/80 6)71/80 master orifice 42psi.

Inspected fuel inlet filter.

3. Performed functional inspection of fuel injection system per TCM M-16 overhaul manual.

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell and 12oz. of CamGuard.

Installed new oil filter p/n AA48108-2. Cut open old filter and inspected for metal debris. None found.

6. Oil sample taken for analysis.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in agrordance with current regulations of the FAA and is approved for return to service.





N1640C Date: 11/25/2014 Engine Hobbs: 3527.3 Flight: 1150.3 TSMOH: 1150.3

- Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.
- 12 oz. CamGuard added
- 3. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.
- 4. Oil sample taken for analysis.
- Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 Date: 3/31/2015 Engine Flight: 1199.2 TSN: 3277.1 TSMOH: 1199.2

Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20

The following work was accomplished at this time:

Compressions: 1)67/80 2)66/80 3)67/80 4)70/80 5)63/80 6)65/80 master orifice 42psi. Inspected fuel inlet filter.

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell and 12oz. of CamGuard.

Installed new oil filter p/n AA48108-2. Cut open old filter and inspected for metal debris. None found.

Oil sample taken for analysis.

On sample task for land system to analysis installed 2 new spark plugs p/n URHB32E.

Installed new lh tailpipe bonding strap p/n MS25083-6BB6.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

AIRCRAFT REG: N1640C

MFG: T.C.M.

MODEL: 10-550-N(7)

SERIAL: 687494

HOUR METER: 3598.0

DATE: 4/7/15

WORK PACKAGE: P5344

TACH TIME: 1207.1(FT)

TOTAL TIME:

TSMOH:

Removed starter P/N: C24ST5, S/N: 4C5-241320, installed new P/N: C24ST5, S/N: 4C5-131502, referenced Sky-Tec C24ST5 Installation drawing 60001, Rev. C, dated 08/10/09, engine crank checked good.

FAA - PMA			
201 - 27 (1994) 1993 - 1 - 23 (1994) 1995 - 23 (1994) 199	Page No		
This tag certifies that Sky-Tec Model No. <u>C24ST5</u> Serial No. <u>4C5-131502</u> was manufactured new on <u>01 Apr 2015</u> by Sky-Tec under the authority of FAA-PMA No. PQ0852SW Supplement No. <u>6</u> in accordance with Sky-Tec's	DESCRIPTION OF WORK PERFORMED— E & CERTIFICATE NO. OF PERSON PERFORMING WORK		
FAA-Approved Quality System (14CFR Part 21, Subpart K). This article has been determined to be airworthy.	forward from previous page		
For installation eligibility see www.skytecair.com/eligibility.html	\ \		
(Aircraft) (Mechanic) ESM & 6 % 80)			
Form CC1108-1			
The state of the s			
4510 Airport Rd.			
Cincinnati OH 45226 (513) 321-1200	CIRRUS		
N1640C Date: 7/1/2015 Engine Hobbs: 36	51.0 Flight: 1251.4 TSMOH: 1251.4		
 Changed engine oil. Serviced oil with 8 qts. of 15w-50v 12 oz. CamGuard added 	vt Aeroshell.		
3. Installed new oil filter pn# AA48108-2. Cut open old fi	Iter and increased for matel debuie. No C 1		
4. On sample taken for analysis.	net and hispected for metal debris. None found.		
5. Installed new intake air filter p/n BA-24.			
6. Run-up checks good. No leaks noted.			
Greg Herrmann 406901563IA			
10000100311	uman		
Year Fight Experience 4510 Airport Rd.			
Cincinnati OH 45226 (513) 321-1200	CIRRUS		
N1640C ENG. S/N: 687494 Date: 4/1/2016 Engine	Flight: 1324.1 TSN: 3402.0 TSMOH: 1324.1		
Inspected this engine. I/A/W an Annual inspection per Ci	rrus SR22 AMM rev. B1 Chapter 5-20		
The following work was accomplished at this time: 1. Compressions: 1)66/80 2)60/80 3)60/80 4)60/80 5)60/80 6)66/80 master	-10 AO -1		
2. Inspected fuel inlet filter.	ornice 40psi.		
 Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell and Installed new oil filter p/n AA48108-2. Cut open old filter and inspected 			
 5. Oil sample taken for analysis. 6. Installed new fuel line retainer brackets p/n 641559 and clips p/n 654236. 	.1.		
 Installed new intake air cleaner p/n BA-24. 	···		
 Installed new oil cooler p/n 654585 and gasket p/n 649989. Installed new muffler p/n A14836-001 and heat exchanger p/n A14837-0 	01.		
 Installed new #3 EGT probe p/n 16579-002. Performed post maintenance engine run-up and leak check. No leaks not 			
11. I efformed post mannenance engine run-up and leak cheek. No leaks not	Springerial cheeks good.		
I certify that this engine has been inspected and repaired in	accordance with current regulations of the FAA		
and is approved for return to service.			
Grad Hammann 40600156314	vanue)		
Greg Herrmann 406901563IA	ann		





N1640C ENG. S/N: 687494 Date: 4/4/2017 Engine Flight: 1393.4 TSN: 3471.3 TSMOH: 1393.4 Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20 The following work was accomplished at this time:

- Compressions: 1)67/80 2)65/80 3)63/80 4)63/80 5)62/80 6)67/80 master orifice 42psi.
- Inspected fuel inlet filter.
- Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell and 12oz. of CamGuard.
- 2. 3. 4. 5. 6. 7. 8. 9. Installed new oil filter p/n AA48108-2. Cut open old filter and inspected for metal debris. None found.
- Oil sample taken for analysis.
- Installed new fuel line retainer clip p/n 654236-1.
- Installed new intake air cleaner p/n BA-24.
- Installed new alternator #1 gasket p/n 653981.
- Installed overhauled mechanical fuel pump p/n 65592-3A1 s/n B05GA248
- Cleaned and flow checked fuel injectors. 10.
- Installed both magnetos after 500 hour inspection 11.
- Installed new intake air bolt p/n AN310. 12.
- Installed new prop gov cable retainer p/n 13.
- Performed post maintenance engine run-up fuel metering adjustments and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Intermana)







N1640C Date: 7/20/2017 Engine S/N 687494 Flight: 1423.5 TSMOH: 1423.5

1. Installed new #1 exhaust head pipe p/n 15080-001

Greg Herrmann 406901563IA





4510 Airport Rd Cincinnati OH 45226 (513) 321-1200



N1640C ENG. S/N: 687494 Date: 4/19/2018 Engine Flight: 1464.4 TSN: 3542.3 TSMOH: 1464.4 Inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20

The following work was accomplished at this time:

Compressions: 1)68/80 2)68/80 3)65/80 4)68/80 5)62/80 6)63/80 master orifice 42psi. 1.

Inspected fuel inlet filter.

Installed new gascolator o-ring p/n NAS1523-8B. 3.

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell and 12oz. of CamGuard.

Installed new oil filter p/n AA48108-2. Cut open old filter and inspected for metal debris. None found.

Oil sample taken for analysis.

Installed 1 new sparkplug p/n URHB32E.

Installed new intake air cleaner p/n BA-24.

Cleaned and flow checked fuel injectors.

Performed post maintenance engine run-up fuel metering adjustments and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

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