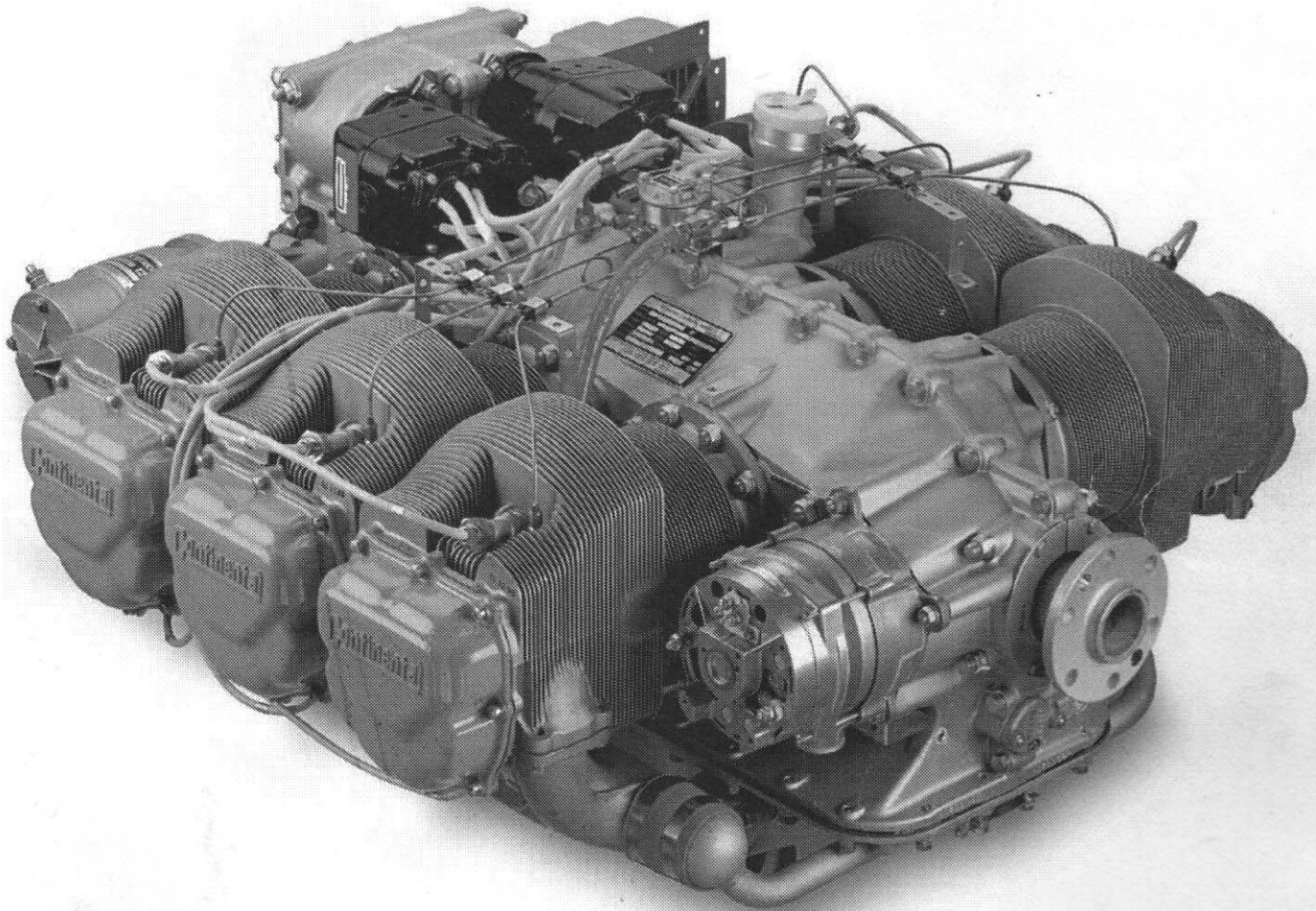


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model R-I0360 ES16 B

Engine Serial Number 1000059

Testing Completed

Standard Acceptance Test:

Date of Completion 3-20-09 Test Operator [REDACTED]



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Production Certificate 508

Printed: 03/21/09

Engine Model: R-I0360ES16B

Serial Number: 1000059

Test Date: 03/20/09

210 HP

This engine was manufactured 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.

[REDACTED]

Date	Total Time		Time Since Last Overhaul		 AIRCRAFT MAINTENANCE SERVICES, INC.	2203 Airline Drive Camden, SC 29020																
	Hrs.	Min.	Hrs.	Min.																		
APRIL 27, 2009	0	0	0	0	AIRCRAFT HOUR METER 1010.4 INSTALLED THIS ENGINE IN CIRRUS DESIGN CORP SR20, S/N 1055, N314BF. FLUSHED PROP HUB & GOVERNOR, ADDED 8 QTS. AEROSHELL 100 MINERAL OIL, ENGINE GROUND RUN, FUEL PRESSURES CHECKED AND SET, TEST FLOWN FOR 1 HOUR.																	
5/7/09	2	36	4	36	Added Quart of oil - mineral																	
5/12/09	6	36	6	36	Added Quart of Mineral oil																	
11	6				RONSON AVIATION, INC. CRS EHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 FAX:																	
					<table border="1" style="width: 100%;"> <tr> <td>REG #</td> <td>N314BF</td> <td>DATE:</td> <td>5/21/2009</td> </tr> <tr> <td>MAKE:</td> <td>CIRRUS</td> <td>W/O #:</td> <td>24768</td> </tr> <tr> <td>MODEL:</td> <td></td> <td>HM</td> <td>1023.5</td> </tr> <tr> <td colspan="2">S/N:</td> <td colspan="2">TT:</td> </tr> </table>		REG #	N314BF	DATE:	5/21/2009	MAKE:	CIRRUS	W/O #:	24768	MODEL:		HM	1023.5	S/N:		TT:	
REG #	N314BF	DATE:	5/21/2009																			
MAKE:	CIRRUS	W/O #:	24768																			
MODEL:		HM	1023.5																			
S/N:		TT:																				
					ENGINE LOG 1. CHANGED OIL AND FILTER, OPENED REMOVED FILTER, NO METAL NOTED, ADDED 128 QUARTS OF PHILLIPS 20/50 MINERAL OIL. NO LEAKS NOTED ON POST RUN UP.																	
					MAINTENANCE RELEASE Pertinent details of the inspection are on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.																	
					 Signed _____ for RONSON AVIATION, INC. CRS EHR538D RONSON AVIATION, INC. CRS EHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628																	
5/25/09	15	1	15	1	Added 2 quarts Phillips 20/50 mineral oil																	
					RONSON AVIATION, INC. CRS EHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 FAX:																	
					<table border="1" style="width: 100%;"> <tr> <td>REG #</td> <td>N314BF</td> <td>DATE:</td> <td>8/12/2009</td> </tr> <tr> <td>MAKE:</td> <td>CIRRUS</td> <td>W/O #:</td> <td>24862</td> </tr> <tr> <td>MODEL:</td> <td></td> <td>HM</td> <td>1046.2</td> </tr> <tr> <td colspan="2">S/N:</td> <td colspan="2">TT:</td> </tr> </table>		REG #	N314BF	DATE:	8/12/2009	MAKE:	CIRRUS	W/O #:	24862	MODEL:		HM	1046.2	S/N:		TT:	
REG #	N314BF	DATE:	8/12/2009																			
MAKE:	CIRRUS	W/O #:	24862																			
MODEL:		HM	1046.2																			
S/N:		TT:																				
					ENGINE LOG 1. CHANGED OIL AND FILTER, OPENED REMOVED FILTER, NO METAL NOTED, ADDED 128 QUARTS OF PHILLIPS 20/50 MINERAL OIL. NO LEAKS NOTED ON POST RUN UP.																	
					MAINTENANCE RELEASE Pertinent details of the inspection are on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.																	
					 Signed _____ for RONSON AVIATION, INC. CRS EHR538D RONSON AVIATION, INC. CRS EHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628																	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			
	Hrs.	Min.	Hrs.	Min.				
Brought Forward →					RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 FAX			
					REG #	N314BF	DATE:	3/31/2010
					MAKE:	TCM	W/O #:	25026
					MODEL:	IO360ES16B	HM	1060.7
					S/N:	1000059	TT:	50.3
					ENGINE LOG			
					1. PERFORMED TCM TOP CARE REQUIREMENTS AS PER CHECKLIST CONTAINED IN TCM SID97-2.			
					2. DIFF COMP #1 7780 #2 7780 #3 74/80 #4 72/80 #5 75/80 #6 75/80			
					3. TOOK OIL SAMPLE			
					MAINTENANCE RELEASE			
					I certify that this aircraft has been inspected in accordance with an ANNUAL and was inspected and approved for return to service.			
					Pertinent details of the inspection are on file at this agency under the work number shown above.			
					I certify that the article described above has been inspected and approved for return to service.			
					Signed _____ for RONSON AVIATION, INC. CRS EHHR538D RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 FAX			
					• RONSON AVIATION • CRS 7HHR444B • TRENTON-MERCER AIRPORT • TRENTON, NJ 08628 • (609) • FAX			
					REG #	N314BF	DATE:	12/23/10
					MAKE:	TCM	W/O #:	400088
					MODEL:	IO360ES16B	HM	1075.3
					S/N:	1000059	TT:	64.9
					ENGINE LOG			
					1. C/W FAR 91.409(a)91) ANNUAL INSPECTION AS PER CIRRUS SR20 M/M CHAPTER 5.			
					2. DIFF COMP #1 75/80 #2 76/80 #3 73/80 #4 69/80 #5 75/80 #6 75/80			
					3. C/W AD 2008-11-18 ENGINE EXHAUST INSP AS PER CIRRUS SB 2X-78-07R1. PRESSURE TESTED AND INSP FOR CRACKS AND DEFORMATION-NON NOTED.			
					4. AD 2009-24-52 CYLINDER HYD LIFTERS, N/A BY ENGINE S/N.			
					5. REPLACED INDUCTION AIR FILTER P/N BA-24.			
					6. REPLACED ALTERNATE AIR DUCT HOSE.			
					7. CHANGED OIL FILTER, OPENED REMOVED FILTER, NO METAL NOTED, INSTALLED CH48108-1 FILTER.			
					8. C/W TCM TOP CARE CHECKLIST AND INSPECTION AS PER TCM SB 97-2.			
					MAINTENANCE RELEASE			
					I certify that this aircraft has been inspected in accordance with an ANNUAL and was inspected and approved for return to service.			
					Pertinent details of the inspection are on file at this agency under the work number shown above.			
					I certify that the article described above has been inspected and approved for return to service.			
					Signed _____ for RONSON AVIATION • CRS 7HHR444B • RONSON AVIATION • CRS 7HHR444B • TRENTON-MERCER AIRPORT • TRENTON, NJ 08628 • (609) • FAX			

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

ENGINE ENTRY

Shop	Work Order	Tail #	Make	Model	Serial #	Hobbs Time
25	89161	N314BF	CIRRUS	SR20	1055	1008.9

Oper Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH INDUSTRY STANDARDS.
2. INSPECT ENGINE FOR LEAKS. REMOVED THE TOP COWLING AND INSPECTED THE FRONT ENGINE FOR OIL LEAKS, NONE NOTED. INSPECTED THE PROP SEAL AREA FOR LEAKS, NONE NOTED. INSPECTED THE PROP HUB AND BLADES FOR LEAKS, NONE NOTED. REINSTALLED TOP COWLING IN ACCORDANCE WITH CIRRUS SR20 MAINTENANCE MANUAL AND APPLICABLE SECTIONS OF CHAPTER 71-10-10.

***** MAINTENANCE RELEASE *****

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 89161.

DATE: 1/23/2008
EAGLE AVIATION, INC.

SIGNED BY: [REDACTED] FOR
FAA APPROVED REPAIR STATION NO. FEHR859D

WEST COLUMBIA, SOUTH CAROLINA 29170

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 FAX: [REDACTED]					
		REG #	N314BF	DATE:	2/1/2010
		MAKE:	TCM	W/O #:	25026
		MODEL:	IO360ES16B	HM	1059.5
		S/N:	1000059	TT:	49.1
ENGINE LOG					
1. C/W FAR 91.409(a)91) ANNUAL INSPECTION AS PER CIRRUS SR20 M/M CHAPTER 5. 2. DIFF COMP #1 74/80 #2 75/80 #3 74/80 #4 69/80 #5 75/80 #6 74/80 3. C/W AD 2008-11-18 ENGINE EXHAUST INSP AS PER CIRRUS SB 2X-78-07R1. PRESSURE TESTED AND INSP FOR CRACKS AND DEFORMATION-NON NOTED. 4. AD 2009-24-52 CYLINDER HYD LIFTERS, N/A BY ENGINE S/N. 5. C/W CIRRUS SB 2X-71-10R2 OIL BREATHER BY INSTALLING KIT 70230-001. 6. REPLACED ALTERNATOR #2 BASE GASKET P/N 649984. 7. REPLACED #2, #4, #6 EXHAUST FLANGE GASKETS. 8. REPLACED INDUCTION AIR FILTER P/N BA-24. 9. REPLACED ALTERNATE AIR DUCT HOSE. 10. CHANGED OIL AND FILTER, OPENED REMOVED FILTER, NO METAL NOTED, INSTALLED CH48108-1 FILTER AND 8 QUARTS OF AEROSHELL 15W50 OIL.					
MAINTENANCE RELEASE					
I certify that this aircraft has been inspected in accordance with an ANNUAL and was inspected and approved for return to service.					
Pertinent details of the inspection are on file at this agency under the work number shown above.					
I certify that the article described above has been inspected and approved for return to service.					
Signature: [REDACTED] for RONSON AVIATION, INC. CRS EHHR538D RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628 FAX: [REDACTED]					
SEE ANNUAL SIGNOFF ENTRY pg 2 dated 12/23/10					

Engine LogBook Entry	TAC Air	TAC Air Aircraft Maintenance					Authorized Cirrus Service Center
		Raleigh NC 27623 Raleigh Durham International Airport Phone: [REDACTED] Fax: [REDACTED]					
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	TS New
RDU008287	3-9-11	N314BF	Cirrus	SR20	1055	1098.9	88.5
Drained oil, sample taken, removed and inspected oil filter with no defects noted. Installed new oil filter, torqued and safetied. Serviced oil system with 7qts Aeroshell 15W50 multi oil. Reworked manifold pressure connections at rear baffle. Cleaned engine, grd run, ops and leak check good. Recowled.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature: [REDACTED]						Otis D. Hudson, Jr. A&P [REDACTED]	

Engine LogBook Entry	TAC Air	TAC Air Aircraft Maintenance					Authorized Cirrus Service Center
		Raleigh NC 27623 Raleigh Durham International Airport Phone: [REDACTED] Fax: [REDACTED]					
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Tach. Time
RDU 8517	4-8-11	314BF	CIRRUS	SR20	1055	1119.0	
Performed compression check. 1)72/80 2)65/80 3)70/80 4)70/80 5)70/80 6)72/80. Master orifice reading 35. Performed bore scope check on all cylinders. Bores and valves check ok. Reinstalled plugs and leads. Replaced cracked cylinder drain line, fabricated new hard line using existing b-nuts and reinstalled drain line. Removed and cleaned cylinder drain check valve. Removed and replaced RPM sensor P/N12323-001. Ground ran and ops and leak checks ok.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature: [REDACTED]						J.Shawn Crean A&P [REDACTED]	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

Engine LogBook Entry		TAC Air Aircraft Maintenance Raleigh NC 27623 Raleigh Durham International Airport Phone: [REDACTED] Fax: [REDACTED]					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU- 9575	8/4/2011	N314BF	Cirrus	SR20	1055	1154.7	N/A
Eng. Model: R-IO-360-ES16B S/N: 1000059 1. The following maintenance was performed for Scheduled oil and filter change: A. Drained oil and removed filter, inspected filter for contamination, No contamination noted, Installed, torqued and safetied new filter P/N: CH48108-1 B. Serviced engine with 7 qts. Oil, type: Phillips 20W50 XC C. Oil sample taken for analysis, Performed engine run and leak check, no leaks or defects noted. 2. Performed compression check of engine: within nominal limits #1: 72 /80 #2: 75 /80 #3: 73/80 #4: 68/80 #5: 74/80 #6: 72/80 Orifice: 45 3. Performed bore-scope of engine cylinders: no defects noted. 4. replaced throttle lever return spring with new P/N: 50549-002 ***** End ***** I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility. Authorized Signature: [REDACTED] Warren Bourne A & P [REDACTED]									

Engine LogBook Entry		TAC Air Aircraft Maintenance Raleigh NC 27623 Raleigh Durham International Airport Phone: [REDACTED] Fax: [REDACTED]					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU10673	2-10-12	N314BF	Cirrus	SR20	1055	1191.9	181.5
TCM, IO-360-ES16B, s/n 1000059...Drained oil, replaced sump drain valve base gasket and resafetied, sample taken, removed and inspected oil filter with no defects noted. Installed new filter, Champion CH48108-1, torqued and safetied. Serviced oil system with 8qts. Aeroshell 15W50 multi oil. Replaced rocker box cover gaskets p/n 655704 on exhaust cover on #1,2,3 and 4 cylinders. Removed oil cooler for outside repairs due to gouge caused by #2 cylinder shoe p/n 632983 and replaced with new part. Oil cooler, TCM p/n 646880, s/n J08-6608-437 overhauled by Drake Air, Inc., FAA CRS # I12R899K on 2/1/12 under WO # 476410/50000610. Installed with new base gasket, torqued and secured baffling. Cleaned and regapped spark plugs, checked mag timing and ignition leads. Mag 500hr Inspection due: Hobbs/TT1510.4. Cleaned and flow tested fuel nozzles. Nozzles next due, 300hrs or 1 yr, Hobbs: 1491.9 or Feb. 2013. Boroscoped all cylinders, results normal. Inspected exhaust, replaced gaskets p/n 630365 at #2,4 & 6, torqued to OH manual specs and performed pressure test of heat exchanger, per AD2008-11-18 IAW Cirrus SB 2X-78-07R1 Heat Exchanger Inspection, no defects noted, reinstalled and secured. Next due Hobbs 1291.9. Inspected induction system, replaced induction air filter element, BA24 and attaching bracket p/n 12785-001. Inspected all baffling, plumbing and wiring. Lubed all engine controls. Compression test: 1)73/80 2)60/80 3)70/80 4)68/80 5)71/80 6)75/80. Master orifice 40 PSI. Cleaned, grd run, checked fuel system per TCM SID97-3E, ops and leak check good. I certify this Engine has been inspected IAW a 100Hr/Annual inspection using Cirrus SR20 MM, (Chapter 5-20), 100hr inspection checklist as revised and was determined to be in airworthy condition and approved for return to service. I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility. Authorized Signature: [REDACTED] Otis D. Hudson, Jr. A&P [REDACTED] IA									

Engine LogBook Entry		TAC Air Aircraft Maintenance Raleigh NC 27623 Raleigh Durham International Airport Phone: [REDACTED] Fax: [REDACTED]					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU-12325	12 JUL 2012	N314BF	Cirrus	SR20	1055	1237.6	NA
Engine: TCM IO-360-ES16B SN: 1000059 The following maintenance was performed for scheduled oil and filter change: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell 15W50. Oil sample taken and sent to Avlab for analysis. Boroscoped all cylinders with no defects noted. Checked sparkplugs for #2 cyl with no defects noted. Reinstalled with new gaskets and torqued. Performed engine run and leak check, no leaks or defects noted. I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility. Authorized Signature: [REDACTED] Gregory P. Ziegler A&P [REDACTED]									

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward

Engine LogBook Entry		TAC Air Aircraft Maintenance Raleigh NC 27623 Raleigh Durham International Airport Phone: [REDACTED] Fax: [REDACTED]					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU-13328	11/30/12	N314BF	Cirrus	SR20	1055	0270.1	NA
Removed and inspected #2 cylinder fuel injector, ok. Removed and inspected #2 spark plugs, ok. Borescoped #2 cylinder and inspected ok. Cleaned and inspected MP wire harness and no defects noted. Engine run ok.									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature: [REDACTED]						Ryan C. Offenberger A&P [REDACTED]			

TAC Air
RDU AIRCRAFT MAINTENANCE CENTER

[REDACTED] Raleigh, NC 27623 [REDACTED]

04 March 2013

N314BF

Engine
S/N 1000059
TTAF : 1272.7
TTE : 1272.7
TSMOH : n/a
Hours : 1272.7
(current)

- 1.) Annual Inspection (includes de-panel/open, cleaning, inspection, lubrication, operational checks as required and re-panel/close up).
- 2.) Compression Ck. 1) 76/80, 2) 74/80, 3) 74/80, 4) 68/80, 5) 72/80, 6) 74/80.
- 3.) Drained oil, opened and insp'd filter, no abnormalities noted, rpl'd filter w/new CH48108-1, svc'd w/07 qts. Aeroshell 15W50.
- 4.) Oil sample harvested and processed for analysis.
- 5.) Remove all spark plugs, clean, adj gap, test and reinstall/torque as req.
- 6.) Removed, cln'd and re-install fuel injectors. **Next due at 1572.7 ETT.**
- 7.) Rpl'd unserviceable baffle seal as required.
- 8.) **AD2008-11-18**, C/W IAW Cirrus SB 2X-78-07 R1, no defects noted.
- 9.) Return to service.

I certify this Engine has been inspected in accordance with the Annual Inspection requirements of Cirrus AMM 05-20 and FAR Part 43 Appendix D. All work accomplished IAW TCM IO-360-ES16B MM. All Airworthiness Directives (AD's) referenced C/W IAW respective AD Compliance Procedure. This engine is determined to be in an airworthy condition and acceptable for continued service.

Authorized Signature:
TAC Air - RDU
WO# 13815

Samuel J. Moretti
AP [REDACTED] A

Time since new (factory) 1010.4

2014
02/01

1335.9

325.5

Replace defective starter with same model as # Sky Tec C24ST3 S# 4C3-011402. Ground run & test flight no issues noted at this time. Install new BA111 air filter element and housing, safety. Change out Prop install on engine at this time.

FAA - PMA

This tag certifies that Sky-Tec Model No. **C24ST3**
Serial No. **4C3-011402** was manufactured new on 06 Jan 2014
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
Supplement No. 8 in accordance with Sky-Tec's
FAA-Approved Quality System (14CFR Part 21, Subpart K).
This article has been determined to be airworthy.
For installation eligibility see www.skytecair.com/eligibility.htm
Starter Installed on **N 314BF** by [REDACTED]
(Aircraft) (Mechanic)

02/01/2014

A&P [REDACTED] IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
2014					
Brought Forward	→		TS	FN	
04/01	1341.6		331.2		Annual: Clean, lube & inspect all control cables & rod ends, Check & y strokes. Timing checked both mags 24° BTDC. Repair connections on EGT probe. Change oil & filter #CH48108-1 add 8 Qts AS 15W50 oil. Clean gap & test plugs, replace seal rings. Torque to specs. Tighten all valve cover bolts. Remove & install ⁶³⁵⁷⁹⁶ new alternator @ ¹¹⁷⁹⁶³ drive coupler. Ground run & test flight OK at this time. [REDACTED] 04-01-2014
					ES 4029 → S#H-M070926
04/01	1341.6		331.2		Solvent clean engine, A&P [REDACTED] IA Compressions #1 70/80, #2 72/80, #3 68/80, #4 59/80, #5 65/80, #6 73/80
2014			TS	FN	
05/17	1356.7		346.3		Replace EGT (stand alone) #6 Cylinder lower @ #M111. Remove old gaskets for valve covers, install 12 new #5A632310 RT tube MLG worm replace with new tube 15X6.0-6-See aircraft log. [REDACTED] A&P [REDACTED] IA
2015			TS	FN	
05/01	1502.2		492.1		Annual: I certify that this engine has been inspected IAW annual inspection guidelines per Continental. It was determined to be in airworthy condition at this time. Remove all plugs, clean, regap & test, install to torque specs. Drain oil & replace filter #CH48108-1 & add 8 Qts AS 15W50 oil. Compressions #1 59/80, #2 64/80, #3 65/80, #4 68/80, #5 61/80, #6 70/80, note warm. Check timing OK at 24° BTDC. Ground run OK no issues noted, prop pitch change OK Lube all cables, pivots & rod ends. [REDACTED] A&P [REDACTED] IA.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
2016					
Brought Forward	→				
02/13	1559.3				Remove propeller for access to rear bulkhead, install new bulkhead & spinner, Torque to specs
					[REDACTED] A & P [REDACTED]

DLK

Kennesaw, GA 30144
LOG ID# 17771 19-May-2016 WO# 16212
N314BF S/N 1055 CIRRUS SR20
HOBBS 1565.5
TTENG 555.2

Pg 1 / 1

*** ENGINE LOG ENTRY ***

NO AD'S DUE THIS ANNUAL INSPECTION. REPLACED INDUCTION AIR FILTER P/N BA24. INSTALLED NEW SPARK PLUGS P/N URHM38E. REPLACED OIL QUICK DRAIN P/N S6250. INSTALLED OIL COOLER BRACKET SHOE P/N 632983. COMPLETED 500-HOUR MAGNETO INSPECTION BY REPLACING CAPACITORS P/N 10-400615, POINTS P/N 10-382585, SNAP RINGS P/N 10-92815-37, BRUSH P/N 10-160844, AND DISTRIBUTOR BLOCK P/N 10-357426. REPLACED ENGINE TACHOMETER GENERATOR P/N 12323-001 AND SEAL P/N 641533. TIGHTENED ALTERNATOR #1 BELT. RETORQUED ROCKER COVERS. RESEATED PUSH ROD TUBES. REPLACED CLAMPS ON #3, #4, #5 & #6 FUEL INJECTOR LINES P/N 652436-1. REPOSITIONED AND SECURED FUEL PUMP DRAIN LINE. ADJUSTED L/H EXHAUST PIPE TENSION. RETORQUED OIL PRESSURE SENSOR. REPLACED GROUND WIRE ON L/H MAGNETO. SECURED FUEL FLOW TRANSDUCER WIRING HARNESS. DRAINED OIL. CHECKED AND REPLACED OIL FILTER-NO METAL NOTED. CLEANED AND GAPPED SPARK PLUGS. SERVICED WITH AEROSHELL 15W50 OIL AND AA48108 FILTER. WASHED ENGINE, RAN ENGINE-ALL CHECKS NORMAL. NO OIL LEAKS NOTED. INSPECTED EXHAUST SYSTEM. CLEANED FUEL INJECTORS. CHECKED TIMING OF MAGNETOS. PERFORMED COMPRESSION CHECK: #1 60/80 #2 62/80 #3 60/80 #4 70/80 #5 68/80 #6 72/80. MASTER ORIFICE 43/80. I CERTIFY THAT THIS AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.

MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO# AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Signed [REDACTED] FOR DLK AVIATION, INC.



**LANDMARK
AVIATION**

Charlottesville, VA 22911
Tel [REDACTED]

N# 314BF
Model IO-360-ES
SN# 1000059
Hobbs 1615.0
WO# S12-16-03233
Date 08-05-2016

Ran engine to operating temp, drained the oil and removed the filter. Took oil sample, Inspected filter element for metal, none found. Installed new filter p/n CH48108-1 and secured. Added 8 qts of Aeroshell 15W50 to engine. Leak and operational check good on run. All maintenance done I/A/W Cirrus SR20 maintenance manual.

The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above.

Daniel Little
Authorized Signature

AP [REDACTED]

Form LB-1