

N445CD
Engine Logbook
DLK Aviation

PLATINUM



CONTINENTAL MOTORS

East Coast Aviation Service Inc
 2356 SE Liberator Lane #203
 Stuart FL 34996
 USA

Phone: 772 781 0610

FAA Airworthiness Directives Compliance Record

Company:

Category: Airframe

Manufacturer: Cirrus Design Corp.

Model: SR22



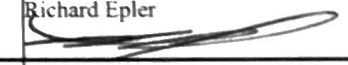

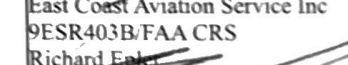
Position:

P/N:

S/N: 2504

Aircraft Registration No: N445CD

ATP Revision: 8/22/2022

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2022-03-15 3/21/2022	To Ensure That the Amount of Fuel Indicated is the Amount of Fuel Available. The Unsafe Condition, if Not Addressed, Could Result in Fuel Starvation and Engine Shutdown Which Could Result in the Inability to Arrive at the Destination Airport or,contd.	8/22/2022 Hrs: 1704.3 C: --	N/A by STC not installed	No	D: -- Hrs: -- C: --	East Coast Aviation Service Inc 9ESR403B/FAA CRS Richard Epler 
2009-26-01 12/21/2009	To detect and correct anti-ice fluid distribution lines with improperly installed compression fittings,contd.	-- Hrs: -- C: --	N/A by S/N	No	D: -- Hrs: -- C: --	East Coast Aviation Service Inc 9ESR403B/FAA CRS Richard Epler 
2008-14-13 8/14/2008	To prevent in-flight failure of the cabin door, which could result in door separation from the airplane	8/14/2008 Hrs: -- C: --	P/C/W by kit P/N70186-005	No	D: -- Hrs: -- C: --	East Coast Aviation Service Inc 9ESR403B/FAA CRS Richard Epler 
2008-03-16 3/11/2008	To prevent the possibility of jamming of the rudder-aileron interconnect system, which may result in loss of,contd.	-- Hrs: -- C: --	N/A by S/N	No	D: -- Hrs: -- C: --	East Coast Aviation Service Inc 9ESR403B/FAA CRS Richard Epler 
2007-24-13 12/4/2007	To prevent moisture from accumulating along the wing shear web where it may freeze in certain conditions	-- Hrs: -- C: --	N/A by S/N	No	D: -- Hrs: -- C: --	East Coast Aviation Service Inc 9ESR403B/FAA CRS Richard Epler 



US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

OMB No 2120-0020
Exp 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N683SR	Serial No. 2504
	Make Cirrus Design Corp.	Model SR22TN
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)
		Address City _____ State _____ Zip _____ Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Cirrus Design Corp.</u>	<i>(As described in Item 1 above)</i>	<u>2504</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type _____ Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No. 2877828
Name Neal George	Address 1496 Vinson Ray Road City Baker State FL Zip 32531 Country USA	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer	
		<input type="checkbox"/> Foreign Certificated Mechanic		
		<input type="checkbox"/> Certificated Repair Station		
		<input type="checkbox"/> Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Neal E. G...</i> 25 May 2022
--	---

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 2877828	Signature/Date of Authorized Individual <i>Neal E. G...</i> 25 May 2022
---	---

Date 06/05/2020 Make Model Cirrus SR22

Tail # N445CD Serial # 2504

Airworthiness Directive Compliance Report

Airframe Hours: 1526.6

Misc:

Engine: Continental IO-550-N

S/N: 689522

Hours: 1526.6

Propeller: Hartzell PHC-J3Y Series

S/N: N7605B

Hours:

AD#	Category	Subject	Amend #	Eff Date	Rec	Remarks
Date/Hours Compliance		Next Due	Name	Signature	Name	
Airframe: Cirrus SR22						
01-25-03	Airframe	Elevator and Rudder Rivets	39-12556	12/17/01		N/A by Serial #
		Taylor Good		3529105IA		
02-21-02	Airframe	Roll and Yaw Trim Cartridges	39-12908	11/08/02		N/A by Serial #
		Taylor Good		3529105IA		
02-24-08	Airframe	Airplane Parachute System	39-12973	01/24/03		N/A by Serial #
		Taylor Good		3529105IA		
06-07-06	Airframe	Wire Chafing on Fuel Lines	39-14533	05/11/06		N/A by Serial #
		Taylor Good		3529105IA		
06-19-10	Airframe	Crew Seat Break-Over Bolt	39-14767	10/24/06		N/A by Serial #
		Taylor Good		3529105IA		
06-21-03	Airframe	Brake Calliper Piston O-Ring Seals	39-14787	11/17/06	Yes	N/A by Serial #
		Taylor Good		3529105IA		
07-14-03	Airframe	Parachute System	39-15125	08/16/07		N/A by Serial #
		Taylor Good		3529105IA		
07-24-13	Airframe	Aileron Control Pulley	39-15279	12/04/07		N/A by Serial #
		Taylor Good		3529105IA		
08-03-16	Airframe	Rudder and Aileron Controls	39-15367	03/11/08		N/A by Serial #
		Taylor Good		3529105IA		
08-14-13	Airframe	In-Flight Cabin Door Failure	39-15608	08/14/08		PCW by installation of kit P/N 70186-005 per SB2X-52-07R4
		Taylor Good		3529105IA		
09-26-01	Airframe	Anti-Ice Fluid Line	39-16136	12/21/09		N/A by serial number
		Taylor Good		3529105IA		
Engine: Continental IO-550-N						
88-03-06	Engine	Oil Filter	39-5888	04/15/88		N/A by manufacture date
		Taylor Good		3529105IA		
91-19-03	Engine	Collapsed Oil Filter Elements	39-8030	09/29/91		N/A by manufacture date
		Taylor Good		3529105IA		
93-10-02	Engine	Missing Cylinder Valve Retainer Key	39-8603	08/12/93		N/A by manufacture date
		Taylor Good		3529105IA		
99-19-01	Engine	Crankshaft Cheek Cracks	39-11290	09/30/99		N/A by manufacture date
		Taylor Good		3529105IA		
00-23-21	Engine	Crankshaft Connecting Rod Journal Failure	39-11994	12/12/00		N/A by manufacture date
		Taylor Good		3529105IA		
04-08-10	Engine	ECI Reciprocation Engine Cylinder Head Cracks	39-13579	05/05/04		N/A by manufacture date
		Taylor Good		3529105IA		
07-16-10	Engine	Kelly Aerospace Turbocharger	39-15149	08/23/07		N/A by turbo S/N's, L/H KFN00459, R/H KFN00449
		Taylor Good		3529105IA		
10-11-04	Engine	Hydraulic Lifter Face Wear	39-16309	06/16/10		N/A by no filters changed during the affected period
		Taylor Good		3529105IA		
12-03-06	Engine	AVStar Fuel Servo Diaphragm	39-16947	02/24/12		N/A by parts installed
		Taylor Good		3529105IA		
12-10-13	Engine	Starter Adaptor Gear Shaft	39-17062	06/08/12		N/A by TIS
		Taylor Good		3529105IA		
14-05-29	Engine	(SAP) Cast Cylinder Assemblies	39-17801	04/25/14	Yes	N/A by affected cylinders not installed
		Taylor Good		3529105IA		
16-16-12	Engine	AEC/CMI Cylinder Assemblies	39-18610	09/15/16		N/A by type of cylinders installed
		Taylor Good		3529105IA		
Propeller: Hartzell PHC-J3Y Series						
94-17-13	Propeller	Propeller Hub Grease Fitting Hole Cracks	39-9008	09/15/94	Yes	N/A by manufacture date
		Taylor Good		3529105IA		
01-07-03	Propeller	BASCO Serviced Propellers	39-12168	06/04/01		N/A by manufacture date
		Taylor Good		3529105IA		
03-13-17	Propeller	T and W Serviced Propellers	39-13219	07/18/03		N/A by manufacture date
		Taylor Good		3529105IA		
05-14-11	Propeller	Southern California Propeller Serviced Propellers	39-14188	08/17/05		N/A by manufacture date
		Taylor Good		3529105IA		
07-26-09	Propeller	Fatigue Cracks	39-15311	01/30/08		N/A, composite blades installed
		Taylor Good		3529105IA		



Mode S tail Number ~~INCORRECT~~
N3775R

Altimeter / Air Data Systems

Start time: 10:45 AM

Start temp: 14°C

Inspection Report Finish temp: 16°C

Ref: FAR 43 Appendix E Finish time 1:45 PM

Flight ID Correct

FAA CRS# AWKR298C, 25170 Aviation Avenue, Davis, CA 95616 Ph: (530) 759-6036

Aircraft S/N	Aircraft Reg.	Date	Airframe Total Time	LH ALT/ADC S/N	RH ALT/ADC S/N	STBY ALT/ADC S/N
2504	N# 445CD	4/13/17	1382.2 Hrs	M092456805	M092760156	460711
Scale Error Test			Test Set	LH ALT/ADC	RH ALT/ADC	STBY ALT/ADC
Start Readings			-196	-180	-180	-170
Finish Readings			-160	-150	-150	-145
After Effects (+/- 30 ft less than 5 mins after hysteresis)			36 F+	-6F+ corrected	-6F+	-11 corrected

Altimeter Accuracy Test					Friction Test					Barometric Scale Error Test (+/- 25 ft)					
Altitude (ft)	Tolerance (+/- ft)	LH ALT/ADC Error (ft)	RH ALT/ADC Error (ft)	STBY ALT/ADC Error (ft)	Altitude (ft)	Tolerance (+/- ft)	LH ALT/ADC Error (ft)	RH ALT/ADC Error (ft)	STBY ALT/ADC Error (ft)	Pressure (in Hg)	Altitude Difference (ft)	LH ALT/ADC (ft)	RH ALT/ADC (ft)	STBY ALT/ADC (ft)	
-1,000	20	18	10	0	1,000	70	X	X	X	28.10	-1,727	-1,710	-1,710	-1,735	
0	20	10	10	5	2,000	70				25	28.50	-1,340	-1,330	-1,330	-1,345
500	20	10	10	-15	3,000	70				40	29.00	-863	-850	-850	-855
1,000	20	10	10	10	5,000	70				35	29.50	-392	-380	-380	-400
1,500	25	10	10	0	10,000	80				40	29.92	0	10	10	5
2,000	30	15	15	20	15,000	90				65	30.50	531	545	545	520
3,000	30	10	10	20	20,000	100				40	30.90	893	910	910	900
4,000	35	10	10	10	25,000	120				60	30.99	974	990	990	980
6,000	40	10	10	0	30,000	140									
8,000	60	10	10	-30	35,000	160									

Hysteresis Test (+/- 75 ft)							Leak Rate		
Max. Cert. Altitude	Altitude 50% Point	Altitude 40% Point	LH ALT/ADC Error (ft)	RH ALT/ADC Error (ft)	STBY ALT/ADC Error (ft)	Tolerances:			
12,000	90	10	10	-60		Non-Pressurized Aircraft: +/- 100 fpm @ 1,000 ft AGL			
14,000	100	10	16	-60		Press. Aircraft: +/- 2% fpm of max. cabin psid/min/system @ max. cabin psid.			
16,000	110	10	10	-60		Stand-Alone Alt: +/- 100 fpm @ 18,000 ft			
18,000	120	10	10	-60		LH Static System:	11	fpm	
20,000	130	10	10	-40		RH Static System:	N/A	fpm	
22,000	140	10	10	-40		Case Leak:	N/A	fpm	
25,000	155	0	0	10					
30,000	180								
35,000	205								

Test Equipment		
Type	Serial Number	Calibration Date
PS525A	80916	11/23/16

The altimeter, static system, and altitude reporting tests required by FAR 91.411 have been performed. Altimeter tested to 25,000 ft. IAW FAR 43 Appendix E.

Signed: _____


Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

airframe

Company Woodland Aviation
Manufacturer CIRRUS DESIGN CORPORATION
Model SR22
Tail # N445CD
Serial # 2504
Current Time 1379.1
Total Time 1379.1
A/C Cert. Date 5/14/2007

07-14-03	08/16/07	PARACHUTE SYSTEM PICK-UP COLLAR SUPPORT AND SCREWS/	
Method of Compliance	N/A by S.N.		
SB #		Date	Next Due N/A
Signature			Cert. #
07-24-13	12/04/07	WING TIP TO WING STRUCTURE INTERFACE MOISTURE	
ACCUMULATION/ Method of Compliance	N/A by S.N.		
SB #		Date	Next Due N/A
Signature			Cert. #
08-03-16	03/11/08	RUDDER-AILERON INTERCONNECT RIGGING/	
Method of Compliance	N/A by S.N.		
SB #		Date	Next Due N/A
Signature			Cert. #
08-14-13	08/14/08	CABIN DOOR ROD ENDS AND HINGE PIN/	
Method of Compliance	BY INSTALLATION OF KIT P/N 70186-005 PER SB 2X-52-07R4		
SB #		Date 2/19/2008 397.9 TT	Next Due N/A
Signature			Cert. # Z5SR421Y
09-26-01	12/21/09	ANTI-ICE FLUID DISTRIBUTION LINE COMPRESSION FITTINGS/	
Method of Compliance	NA BY NOT FIKI		
SB #		Date	Next Due N/A
Signature			Cert. #

Prepared by 

Date 5/3/14

INSPECTION DUE STATUS REPORT N445CD
05/2019

Cirrus SR22 / 2504	TSN: 1462.4
Continental IO-550-N/689522	TSN: 1462.4
Hartzell/PHC-J3YF-1N/N7605B	TSN: 1462.4

Next Annual Due: **May 2020**

AD's Due:

93-05-06, IGNITION SWITCH DUE AT FLIGHT HOBBS 2,000 HRS

Maintenance Due:

CAPS ROCKET MOTOR EXPIRES: 03/2027 (Every 10yrs)

CAPS PARACHUTE EXPIRES: 03/2027 (Every 10yrs)

CAPS REEFING LINE CUTTERS EXPIRES: 02/2024 (Every 6yrs)

ELT BATTERY PACK EXPIRES: 11/2019

EMA CONTROLLER, AAIR EXPIRES: 03/2021

PILOT SEAT INFLATOR ASSEMBLY EXPIRES: 12/2028 (Every 10yrs)

CO-PILOT SEAT INFLATOR ASSEMBLY EXPIRES: 12 /2028 (Every 10yrs)

TRANSPONDER CHECK DUE: 01 /2021

MAGNETO 500 HRS INSPECTION DUE AT FLIGHT HOBBS 1589.9



10356 Truckee Airport Rd, Hangar #1
Truckee, CA 96161
530-359-8751
www.flytruckee.com

N415CD



1. App. of Civil Aviation Authority/Country: FAA/UNITED STATES	<h1>AUTHORIZED RELEASE CERTIFICATE</h1> <p>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</p>	3. Form Tracking Number: 11092018-27
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4. Organization Name and Address: Aerospace Components, LLC. - 9291 Airport Road - Lakeview, MI 48850 PMA number (PQ3948CE)	5. Work Order/Contract/Invoice Number: 18-027
--	--

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	24 Volt Starter Motor	PL 13484	1	1802727	NEW

12. Remarks: **Airworthiness Approval**

13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, and part 43 and in respect to that work, the items are approved for return to service.
--	---

13b. Authorized Signature: 	13c. Approval/Authorization No.: DMIR-555235651	14b. Authorized Signature: 	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): William E. Ward	13e. Date (dd/mm/yyy): 11 / Nov / 2018	14d. Name (Typed or Printed):	14e. Date (m/d/y):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft/engine/propeller/article.

Where the user-installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user-installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user-installer before the aircraft may be flown.

N445CD



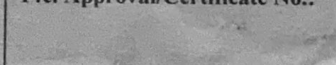
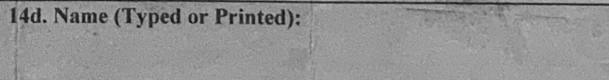
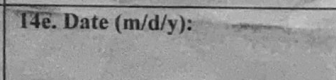
1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES	AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 11092018-27
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4. Organization Name and Address: Aerospace Components, LLC. - 9291 Airport Road - Lakeview, MI 48850 PMA number (PQ3948CE)	5. Work Order/Contract/Invoice Number: 18-027
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6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	24 Volt Starter Motor	PL 13484	1	1802727	NEW

12. Remarks **Airworthiness Approval**

13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, and part 43 and in respect to that work, the items are approved for return to service.
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13b. Authorized Signature: 	13c. Approval/Authorization No.: DMIR-555235651	14b. Authorized Signature: 	14c. Approval/Certificate No.: 
13d. Name (Typed or Printed): William E. Ward	13e. Date (dd/mmm/yyyy): 11 / Nov / 2018	14d. Name (Typed or Printed): 	14e. Date (m/d/y): 


User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft/engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

N445CD

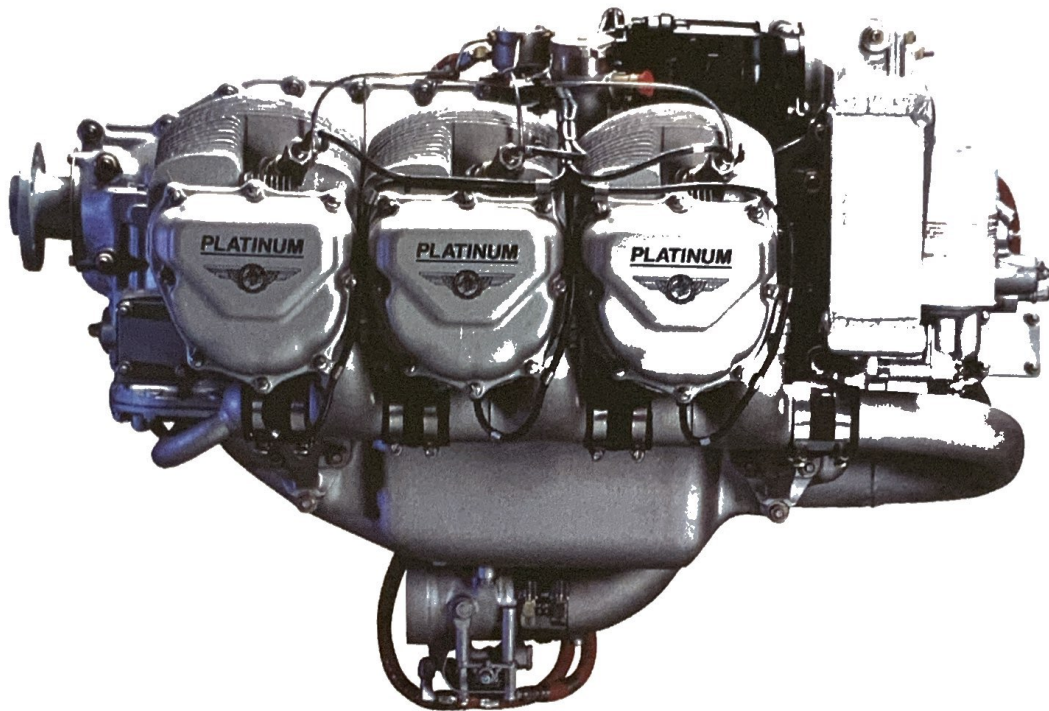
1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 18-206	
4. Organization Name and Address 978652 Ontario Ltd. Canadian Aero Manufacturing 2648 Ego Sideroad, Severn, Ontario, Canada Tel: (705)326-1368 Fax: (705)326-8105 info@canadianaeromanufacturing.com Transport Canada Approval # 384 - 91				5. Work Order/Contract/Invoice 18-206		
6. Item 1	7. Description Starter Adapter	8. Part No. 642083-A2	9. Qty. 1	10. Serial/Batch No. CAM18-206	11. Status/work Overhauled	
12. Remarks As per TCM Overhaul manual X30039 Rev. October 2013. Parts replaced as per CAM TCCA-PDA# PDA01-11 ISSUE 2. This Part Complies With FAA TCDS # E5CE, E3CE, E3SO This part contains TCCA-PDA parts that are not considered critical components.						
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation. <input type="checkbox"/> non approved design data specified in block 12.			14a. <input checked="" type="checkbox"/> CAR 571.10 Maintenance release. <input type="checkbox"/> Other regulations specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i> .			
13b. Signature N/A		13c. Approved Organization Number N/A		14b. Signature  Colin Duffy		14c. Approved Organization Number 384-91
13d. Name N/A		13e. Date (dd/mmm/yyyy) N/A		14d. Name Colin Duffy		14e. Date (dd/mmm/yyyy) 30/Aug/2018

Installer Responsibilities

This certificate does not constitute authority to install.
Installers working in accordance with the national regulations of a country other than the specified in block 1 must ensure that their regulations recognize certifications from the country specified.
Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record of the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown

N445CD
Engine Logbook
DLK Aviation

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 03/31/2007

This engine model I0550N46, Serial No. 689522 was manufactured on 03/31/2007 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. 505


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
2039 South Broad Street
Mobile, AL 36615**

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.	
29 May 07	7	1			THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC CDC  on 05/29/07. Cirrus Design Corporation Duluth, MN USA PC# 338CE

ENGINE MODEL: IO-550-N
 ENGINE S/N: 689522
 REG. NO: N377SR
 WORK ORDER: 23092

American Aircraft Maintenance, Inc.
 Repair Station No. Z5SR421Y
 19711-B Campus Drive
 Santa Ana, CA 92707
 Phone: (949) 852-8420

DATE: 7/19/2007
 A/C TSN:
 ENG TT:
 TACH: 55.6

Engine Entries

Complied with Cirrus Design SR22 50 hour inspection. Changed oil and filter, serviced with AS100W Plus oil. Oil sample taken and sent for analysis.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 7/19/2007 SIGNED:  Work Order: 23092
 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
 ENGINE S/N: 689522
 REG. NO: N377SR
 WORK ORDER: 23167

American Aircraft Maintenance, Inc.
 Repair Station No. Z5SR421Y
 19711-B Campus Drive
 Santa Ana, CA 92707
 Phone: (949) 852-8420

DATE: 8/22/2007
 A/C TSN: 115
 ENG TT: 115
 HOBBS: 115

Engine Entries

Complied with an Annual/100 HR inspection as per Manufacturer's Service and/or Maintenance Manual. Changed oil and filter, serviced with AS100W Plus oil. Filter opened and inspected, no contamination found. Leak check satisfactory. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2007-17. Compressions #1 59/80, #2 62/80, #3 66/80, #4 65/80, #5 74/80, #6 66/80.... Oil sample taken and sent for analysis.... Removed injector nozzles for ultra-sonic cleaning, cleaned and reinstalled as per TCM SID05-7. Run-up normal with no leaks noted at this time.... Set fuel system as per TCM SID97-3C, ops and leak check satisfactory.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 8/22/2007 SIGNED:  Work Order: 23167
 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
 ENGINE S/N: 689522
 REG. NO: N377SR
 WORK ORDER: 23231

American Aircraft Maintenance, Inc.
 Repair Station No. Z5SR421Y
 19711-B Campus Drive
 Santa Ana, CA 92707
 Phone: (949) 852-8420

DATE: 9/13/2007
 A/C TSN: 169.2
 ENG TT: 169.2
 HOBBS: 169.2

Engine Entries

Complied with Cirrus Design SR22 50 hour inspection. Changed oil and filter, serviced with AS15W50 oil. Oil sample taken and sent for analysis.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 9/13/2007 SIGNED:  Work Order: 23231
 Printed by EBis 3 (datcomedia.com)

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	→				

TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340
 MERCED MUNICIPAL AIRPORT
 (209) 722-7700 FAX (209) 722-3402

N 377SR TACH 297.6 TT 297.6 DATE 12/31/07
 CHANGED OIL, FILTER REPLACED, SPARK PLUGS CLEANED AND GAPPED, TIMING CHECKED, WASHED DOWN ENGINE AND PERFORMED RUN-UP.

COMPLETED ENGINE TOP CARE INSPECTION AND ENGINE FUEL SYSTEM ADJUSTED & SET PER TELEDYNE SID 97-3 AND CIRRUS MAINTENANCE MANUALS

PER TORNADO ALLEY INC. CLEAN AND REOIL INDUCTION SYSTEM AIR FILTER USING K & N FILTER KIT AT EACH INSPECTION OR MORE THAN 50% COVERED

REMOVED WASTEGATE DUE TO LEAKAGE AT THROUGH SHAFT AND REPLACED WASTEGATE, EXHAUST GASKET, FLANGE GASKET, PIN, AND TURBO GASKET WITH NEW, PER TORNADO ALLEY INC. MAINTENANCE PRACTICES. COVERED UNDER AUTHORIZATION #871717HQ

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 hr. INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

CHRIS W. PALAGE AP3177058
Chris Palage

ENGINE MODEL: IO-550-N **American Aircraft Maintenance, Inc.**
 ENGINE S/N: 689522
 REG NO: N377SR Repair Station No. Z5SR421Y
 WORK ORDER: 23470 19711-B Campus Drive
 Santa Ana, CA 92707
 Phone: (949) 852-8420

DATE: 1/30/2008
 A/C TSN: 355.5
 ENG TT: 355.5
 HOBBS: 355.5

Engine Entries

Drained engine oil. Removed filter and cut open for inspection. No defects found. Serviced engine with AS15W50 oil. Installed new filter, torqued and safetied. Washed engine. Ran engine to check for leaks. No leaks observed.... Oil sample taken and sent for analysis.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 1/30/2008

SIGNED: *[Signature]*

Work Order: 23470

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL: IO-550-N **American Aircraft Maintenance, Inc.**
 ENGINE S/N: 689522
 REG NO: N377SR Repair Station No. Z5SR421Y
 WORK ORDER: 23497 19711-B Campus Drive
 Santa Ana, CA 92707
 Phone: (949) 852-8420

DATE: 2/19/2008
 A/C TSN: 397.9
 ENG TT: 397.9
 HOBBS: 397.9

Engine Entries

Complied with an Annual/100 HR inspection as per Manufacturer's Service and/or Maintenance Manual. Changed oil and filter, serviced with AS15W50 oil. Filter opened and inspected, no contamination found. Leak check satisfactory. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2008-02. Compressions #1 52/80, #2 62/80, #3 69/80, #4 71/80, #5 70/80, #6 68/80.... Oil sample taken and sent for analysis.... Replaced all spark plugs ... Cleaned and re-oiled K&N air filter element.... Complied with TCM powerplant TopCare inspection, including cylinder borescope inspection, no defects noted.... Removed, inspected, and cleaned fuel injector nozzles. Reinstalled, leak check good.... Tested and adjusted fuel system as per TCM SID 97-3D and Tornado Alley maintenance manual.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 2/19/2008

SIGNED: *[Signature]*

Work Order: 23497

Printed by EBIS 3 (datcomedia.com)

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 MODEL: IO-550-N
ENGINE S/N: 689522
REG. NO. N377SR
WORK ORDER: 23576



American Aircraft Maintenance, Inc.
Repair Station No. Z5SR421Y
19711-B Campus Drive
Santa Ana, CA 92707
Phone: (949) 852-8420

DATE: 3/20/2008
A/C TSN: 441.1
ENG TT: 441.1
HOBS: 441.1

Engine Entries

Drained engine oil. Removed filter and cut open for inspection. No defects found. Serviced engine with AS15W50 oil. Installed new filter, torqued and safetied. Washed engine. Ran engine to check for leaks. No leaks observed.... Oil sample taken and sent for analysis.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 3/20/2008

SIGNED: *[Signature]*

Work Order: 23576

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 689522
REG. NO. N377SR
WORK ORDER: 23608



American Aircraft Maintenance, Inc.
Repair Station No. Z5SR421Y
19711-B Campus Drive
Santa Ana, CA 92707
Phone: (949) 852-8420

DATE: 4/14/2008
A/C TSN: 460.2
ENG TT: 460.2
HOBS: 460.2

Engine Entries

Extended ground run/power check: all readings normal; 29.3" map at 2670 RPM with 33.6 gph. Compression check of #1 cylinder 58/80 (master orifice reading 48/80). Inspected induction and exhaust system for signs of leakage or other defects, none noted. Magneto timing at 22 degrees BTDC. Inspected turbochargers for damage, none found.... Replaced turbo controller with new unit P/N 470688-0005, S/N LBN00737. Ground power run and leak check normal.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 4/14/2008

SIGNED: *[Signature]*

Work Order: 23608

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 689522
REG. NO. N377SR
WORK ORDER: 23701



American Aircraft Maintenance, Inc.
Repair Station No. Z5SR421Y
19711-B Campus Drive
Santa Ana, CA 92707
Phone: (949) 852-8420

DATE: 5/23/2008
A/C TSN: 479.2
ENG TT: 479.2
HOBS: 479.2

Engine Entries

Completed Cirrus pre-buy inspection and evaluation. Changed oil filter and inspected, found clean. Compression check #1 60/80, #2 68/80, #3 68/80, #4 65/80, #5 68/80, #6 70/80. Brake pad and disc inspection within limits.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 5/23/2008

SIGNED: *[Signature]*

Work Order: 23701

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO550N46
ENGINE S/N: 689522
REG. NO. 377sr
WORK ORDER: 11535-07-2008



Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3101

DATE: 7/10/2008
A/C TSN: 585.3
ENG TT: 585.3
HOBS: 585.3

Engine Entries

(1) Performed incoming and completion checklist per RSM form 21 F1 (2) Replaced Induction duct (PN ETI-G2-200-M2-1) with anti-chafe pad installed IAW TAT1 Report 215-10 (3) Drained engine oil and removed oil filter, performed particulate inspection of removed filter, no discrepancies noted Installed new Champion oil filter P/N CH48108-1 and serviced engine with 8 quarts of Aeroshell 15W-50 oil, leak and operational check satisfactory All work performed IAW CDC AMM chapter 12-10

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y

DATE: 7/10/2008

SIGNED: *[Signature]*
Tim O'Reilly
Certified Repair Station No. YD5R855Y

Work Order: 11535-07-2008

Printed by EBis 3 (datcomedia.com)

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 →					



LOGBOOK ENTRY
COMMONWEALTH AVIATION SERVICE, INC
d/b/a MILLION AIR - RICHMOND
CRS VXWR051W

Manufacturer: Cirrus Date: 9/17/2008
Model: SR22 W.O.: M080927
S/N: 2504 Reg #: N377SR
TTE: 561.7 ACTT: 561.7
Flight Hobbs: 561.7

ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Ran engine to operating temperature. Drain oil and removed oil filter. Inspected filter element for metallic contamination - None noted. Installed a new oil filter P/N AA48108 and serviced the engine with 8 quarts of Aeroshell 15W50 oil. Performed engine ground run. OP's and leak checks good.

Removed defective right waste gate and replaced with a new waste gate P/N 22 6150026 and new gaskets P/N FG0120830. Replaced worn clevis pin with new. OP's and leak checks good.

Signed:
Print: John T. Gardner
for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

ENGINE MODEL
IO550N46
ENGINE S/N 689522
REG NO 377sr
WORK ORDER
12157-10-2008



Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone 218- 788-3438

DATE 10/15/2008
A/C TSN 686
ENG TT 686
HOBBS 686

Engine Entries

(3) (Flight Hours 600.5) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection of plug and removed filter, checked satisfactory. Performed operational and leak checks. Operational and leak checks satisfactory. All work was accomplished IAW Cirrus SR22 AMM 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 10/15/2008

SIGNED:
Steven LaMourea
Certified Repair Station No. YD5R855Y

Work Order: 12157-10-2008

Printed by EBis 3 (datcomedia.com)

Date

ENGINE MODEL
IO550N46
ENGINE S/N 689522
REG NO 377sr
WORK ORDER
12282-11-2008



Cirrus Design Factory Service Center

Repair Station No YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone 218- 788-3438

DATE 11/15/2008
A/C TSN 698
ENG TT 696
HOBBS 696

Brought Forward

Engine Entries

(4) (Flight time 649.5) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Oil's and leak checks good. All work was accomplished IAW Cirrus SR22 A M M 12-10. (5) Removed LH magneto (P/N 10-500556-101, S/N DO7CA187) and Replaced with (P/N 10-500556-101S, S/N DO8EA216). Removed RH magneto (P/N 10-500556-101, S/N DO7CA186) and Replaced with (P/N 10-500556-101S, S/N DO7CA284). Removed Ignition Harness (P/N 10-423674-19 and Replaced with (P/N 10-423674-33, S/N K03J). Removed Spark Plugs (Champion RHB32E and Replaced with (Champion RHB32S). Work done IAW ETI Report 22-6460002; TCM MSB94-8C and CDC SR22 MM 74-20. (6) Removed Wastegate Control Rod and Replaced with Improved Waste Gate Control Cable (P/N 22-5650008). Work done IAW ETI Report 22-6460001. (7) Replaced left turbo lateral support bracket with new version, PN 22-6250001, IAW TAT Turbo Maintenance Manual. (8) Replaced right turbo inboard heat shield, PN ETI-G2-20-118, IAW Tornado Alley Turbo Installation Manual.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 11/15/2008

SIGNED:

Casey Komarek
Certified Repair Station No YD5R855Y

Work Order: 12282-11-2008

Printed by EBis 3 (datcomedia.com)

DUPLICATE

ENGINE MODEL
IO550N46
ENGINE S/N 689522
REG NO 377sr
WORK ORDER
12493-01-2009



Cirrus Design Factory Service Center

Repair Station No YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone 218- 788-3438

DATE 1/29/2009
A/C TSN 796.2
ENG TT 796.2
HOBBS 796.2

Engine Entries

(3) Flight meter 710.3 - Performed engine Annual/100HR inspection IAW cirrus mm chapter 5-20 and 5-30. (4) (FLT TIME 710.3 Hrs) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Phillips 20W 50 mineral engine oil. Performed particulate inspection on old filter, checked satisfactory. All work was accomplished IAW Cirrus SR22 A M M 12-10. (11) Replaced left exhaust manifold assembly, PN ETI-SR22-103-2. Replaced left waste gate support brackets, spring & rod, PNs 22-6250006, LC085H03S and MS21250-05020. All work accomplished IAW TAT ICA Report 215-10 and TAT Turbo Installation Manual. (14) Researched engine ADs through bi-weekly issue 2009-02. All ADs are in compliance at this time. (18) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 77/80, #2 77/80, #3 64/80, #4 64/80, #5 70/80, #6 62/80, master orifice reading of 47 psi, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3. (19) Removed, cleaned, inspected, gapped, tested, rotated, and reinstalled spark plugs IAW T.C.M. MM section 12. (20) Performed magneto to engine timing inspection, no discrepancies noted on inspection, work performed IAW T.C.M. MM section 12. (21) Removed and replaced induction air filter with new, P/N 33-2022 IAW TAT Airbox installation drawing 22-5850001 REV C. (22) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW T.C.M. MM section 5. (23) Performed engine set up IAW Tornado Alley Turbo Report P/N 215-10. (42) Performed Inspection for continued airworthiness on turbo components IAW Tornado Alley continued airworthiness inspection checklist. (52) Replaced oil out line fitting P/N AN919-2 on master wastegate controller. Done IAW TAT Left Exhaust/Wastegate Assembly drawing 22-6150018 REV D. (80) Removed Cylinder Assembly #1, S/N off AC07BA620. Replaced with new Assembly P/N 655932A4 S/N AC08HB825. Removed Cylinder Assembly #2, S/N off AC07BA718. Replaced with new Assembly P/N 655932A4 S/N AC08HB825. New pistons with a weight code of WR and new wrist pins installed at this time. All work IAW Teledyne Continental IO-550 Overhaul Manual X30568A and SB07-1, Ref FAA Form 8130-3 form dated Jan 16 2009, Nov 06 2008, and Oct 17 2008 for details. Engine component information sheet updated in engine logbook. (87) Replaced R/H exhaust manifold PN ETI-SR22-100-1 IAW TAT installation instructions. (88) Replaced right turbo inboard heat shield, PN ETI-G2-20-118, IAW Tornado Alley Turbo Installation Manual. (93) Replaced #3 intake tube gasket P/N 649950 at cylinder flange. Done IAW Teledyne Continental IO-550 Overhaul Manual X30568A. (101) Adjusted High-End Fuel-Flow at Aneroid-Below IAW Tornado Alley Turbo Maintenance Report ETI-215-10. (104) I certify that this engine has been inspected in accordance with a 100 HR/Annual inspection and was determined to be in airworthy condition.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 1/29/2009

SIGNED:

Dave Ruuskanen
Certified Repair Station No YD5R855Y

Work Order: 12493-01-2009

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Southeast Aero Services

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-550-N G3-Turbo

s/n: 689522

N377SR

04-22-09

Hobbs: hrs.

Flight Hour: hrs.

Oil drained, sample taken.

Filter removed and inspected for contaminants. None found. New filter installed and engine serviced to capacity with Aeroshell 15W50 oil. Engine ran and leak checked satisfactory.

Bryan M Wood A&P3216290

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 →					

Reg: N377SR
 Model: Continental IO-550
 SN:
 TTE: 875.6 TSMOH:

SAM Saint Augustine Aviation Maintenance
 270 Estralla Ave.
 St. Augustine, FL 32095
Maintenance Record (Engine)

Date: 4/28/2011
 TTA: 875.6
 Tach: 875.6
 Hobbs: 964.0

Performed a ANNUAL inspection in accordance with CIRRUS SR22 maintenance manual and Part 43 Appendix D. Compressions (#1) 73/80; (#2) 71/80; (#3) 72/80; (#4) 76/80; (#5) 71/80; (#6) 72/80. Serviced and rotated spark plugs. Drained and serviced oil with 8qts Aeroshell w100 and R&R oil filter. Cleaned and serviced fuel injectors, and R&R applicable injector gasket and o-rings. Cleaned and re-oiled intake air filter. All applicable AD's C/W at this time. Ops check ok.
 I certify that this Engine has been inspected in accordance with a ANNUAL inspection and has been determined to be in airworthy condition

Saladino Travis
 Saladino Travis
 A&P 3146414 IA

LEADING EDGE
 AVIATION SERVICES, INC.
 Tampa, FL



AUTHORIZED SERVICE CENTER

Date: 7/06/2011; Aircraft: N377SR; Type: CIRRUS; S/N: 2504; Hobbs: 970.0; Total Time: 881.6; Engine - Type: IO-550-N, S/N: 689522, Time: 881.6

- Removed then installed LH mag PN 10-500556-101 SN D08EA216 after 500 Hr inspection completed by Quality Aircraft Accessories.

Outside Repair Completed: 7/05/2011
 Item: 10-500556-101, S/N: D08EA216
 Repaired By: Quality Aircraft Accessories Inc. PO #: LEA-17878

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Paul Stern *Paul Stern* A&P 3078823
 6582 Eureka Springs Rd. Tampa, FL 33610
 Tampa Executive Airport (KVDF) 813 626 1515

DLK

2601 Cessna Lane Kennesaw, GA 30144 770-427-4954
 LOG ID# 15089 07-June-2013 WO# 13144
 N445CD S/N 2504 CIRRUS SR22
 HOBBS 887.8
 TTENG 887.8

Pg 1

*** ENGINE LOG ENTRY ***

SEE AIRCRAFT LOG FOR AD'S COMPLIED WITH DURING THIS ANNUAL. REPLACED THE FOLLOWING: CRANKSHAFT SEAL P/N 641250, #1 CYLINDER FUEL INJECTOR LINE CLAMP P/N 652436-1, BAFFLE SEAL P/N T-1001-4-R AND ALL SPARK PLUGS P/N URHB32E. REPOSITIONED LEFT SIDE HEAT SHIELD AND SERVICED TO PREVENT CHAFING. RETORQUED ALL OIL SUMP BOLTS. REPOSITIONED LEFT TURBO OIL LINE AND ADDED CHAFE TO PREVENT CHAFING AND SECURED. REMOVED ALL LIFTERS - INSPECTED AND REINSTALLED. TIMED MAGS TO 21.5 DEGREES. CLEANED AND TREATED ENGINE AIR FILTER. DRAINED OIL. CHECKED AND REPLACED OIL FILTER - NO METAL NOTED. OIL SAMPLE TAKEN. CLEANED AND GAPPED SPARK PLUGS. SERVICED WITH AEROSHELL 50/100W OIL. WASHED ENGINE, RAN ENGINE - ALL CHECKS NORMAL. NO OIL LEAKS NOTED. LUBRICATED TURBO CONTROLS. INSPECTED EXHAUST SYSTEM. CLEANED FUEL INJECTORS. PERFORMED COMPRESSION CHECK: #1 76/80 #2 65/80 #3 66/80 #4 76/80 #5 64/80 #6 64/80. SET FUEL PRESSURES IN ACCORDANCE WITH SID 97-3E. 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#13144 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Daniel L. Kendall
 Signed DK7R795J FOR DLK AVIATION, INC

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 →					

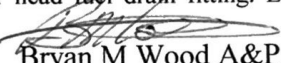
Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-550-N (45) s/n:689522 N445CD

7-9-13 Hobbs:978.9hrs Engine Total Time:890.6hrs Removed prop, remove crankshaft seal. Clean area and installed new seal assembly. Prop reinstalled using new packing, hardware torque to spec. Installed new seal in #2 cylinder head fuel drain fitting. Engine ground run, adjusted idle mixture and speed. No leaks noted.


Bryan M Wood A&P3216290

ENGINE MODEL:
IO-550-N
ENGINE S/N: 689522
REG. NO: 445CD
WORK ORDER:
15593-09-2013



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3438

DATE: 9/26/2013
A/C TSN: 921.8
ENG TT: 921.8
HOBBS: 1010.2

Engine Entries

- (8) (FLT TIME: 932.0 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10. IW
- (9) Adjusted Manifold Air Pressure Controller to achieve 30.5" hg at full throttle IAW TATI ICA 22-6460004.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 9/26/2013

SIGNED: 

Work Order: 15593-09-2013

Gerald Mensen
Certified Repair Station No. YD5R855Y

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N46
ENGINE S/N: 689522
REG NO: N445CD
WORK ORDER:
15811-01-2014



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3438

DATE: 3/12/2014
A/C TSN: 952.2
ENG TT: 952.2
HOBBS: 1040.6

Engine Entries

- (10) Flight meter(952.2) Performed engine 100HR/Annual inspection IAW cirrus mm chapter 5-20 and 5-30.
- (13) Researched all applicable Engine AD's through Bi-Weekly 2014-05. All AD's in compliance at this time.
- (17) (FLT TIME: 952.2 Hrs.) Changed engine oil and filter, Tempest P/N AA48108-2. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.
- (18) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 74/80, #2 64/80, #3 76/80, #4 76/80, #5 68/80, #6 60/80, master orifice reading of 46, work performed IAW CMI Service Information SB03-3.
- (19) Removed, cleaned, inspected, gapped, tested, rotated, and reinstalled spark plugs IAW T.C.M. MM section 12.
- (20) Performed magneto to engine timing inspection. Adjusted Engine to Magneto Timing to 22 degrees BTDC IAW Continental Maintenance Manual M16.
- (21) Replaced induction air filter with new filter P/N 33-2022 IAW CDC AMM 5-10.
- (22) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW CMI Maintenance Publication FI-2.
- (44) Replaced Alt 1: P/N off 656802, S/N H-031466. Installed new unit, PN 656802, S/N H-N050422. Performed ground run, no leaks found and function check satisfactory. All work accomplished IAW CDC AMM 24-30 and TCM Service Manual M-16.
- (49) Removed and Replaced MAP Controller P/N 470688-5S S/N off LHN00164, Installed New Controller P/N 470688-0005, S/N MHN00009. OPS and leak check good.
- (63) Adjusted Idle and mixture to 700 RPM with a 50 RPM rise IAW TCM SID-97E. Ops check good.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 3/12/2014

SIGNED: 

Work Order: 15811-01-2014

Joseph Sullivan
Certified Repair Station No. YD5R855Y

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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 →					

Date 4/9/2014
W/O# 13539



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

984.7

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS W100 ENGINE OIL. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.
Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*
Shawn Matthies AWKR298C

Date 10/24/2014
W/O# 13989



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

1050.2

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL W100 ENGINE OIL. INSTALLED NEW OIL QUICK DRAIN. INSTALLED NEW RIGHT WASTEGATE ACTUATOR CLEVIS PIN AND KEEPER. OPERATIONAL CHECK NORMAL

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.
Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*
Shawn Matthies AWKR298C

Date 11/26/2014
W/O# 14083



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

1066.7

INSTALLED NEW CRANKSHAFT FRONT SEAL. COMPLIED WITH CONTINENTAL SB M76-4. CLEANED AND APPLIED PRIMER TO EXPOSED CRANKSHAFT FOR PROTECTION FROM CORROSION. REINSTALLED PROPELLER. SECURED AND TORQUED ATTACHING HARDWARE. OPERATIONAL / LEAK CHECK GOOD.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.
Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*
Shawn Matthies AWKR298C

Date 5/2/2016
W/O# 15148



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach / Flight
Eng TSN
Eng TSO
TTAF

1196.2 COMPLETED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
1196.2 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI SERVICE BULLETIN 03-3, COMPRESSION TEST RESULTS: #1- 65/80, #2- 62/80, #3- 75/80 #4- 73/80, #5- 70/80, #6- 65/80.
N/A MASTER ORIFICE: 50/80.
1196.2 DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS 100W ENGINE OIL.
COMPLIED WITH CONTINENTAL MOTORS INC SB 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.
ADJUSTED LEFT AND RIGHT MAGNETO TO ENGINE TIMING. INSTALLED NEW LEFT TURBO SUPPORT ROD TEFLON SLEEVE.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Shawn Matthies

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: Shawn Matthies

Shawn Matthies AWKR298C

Date 6/28/2016
W/O# 15328



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach 1228.6

REMOVED RIGHT MAGNETO. ADJUSTED POINT GAP TO SPEC AND VERIFIED EGAP IS WITHIN SPEC PER CMI IGNITION MANUAL. REINSTALLED MAG AND TIMED TO ENGINE. CHECKED AND RETIMED LEFT MAG TO ENGINE. OPERATIONAL / LEAK CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Shawn Matthies

Shawn Matthies AWKR298C

Date 9/23/2016
W/O# 15552



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach 1196.2

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Shawn Matthies

Shawn Matthies AWKR298C

Date 4/20/2017
W/O# 15878



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach / Flight 1293.8
Eng TSN 1293.8
Eng TSO N/A
TTAF 1293.8

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 70/80, #2- 60/80, #3- 75/80, #4- 75/80, #5- 65/80, #6- 62/80. MASTER ORIFICE: 48/80. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. ADJUSTED RIGHT EXHAUST ELBOW AND APPLIED ANTI-SEIZE. ADJUSTED LEFT AND RIGHT MAGNETO TO ENGINE TIMING. INSTALLED NEW RIGHT WASTEGATE ACTUATOR PINS, SPRING AND CLIP.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed:

Shawn Matthies AWKR298C

Date 7/24/2017
W/O# 16262



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach 1338.8

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL. REMOVED PROPELLER AND CRANK SHAFT SEAL. CLEANED CRANK SHAFT AND INSTALLED NEW CRANK SHAFT SEAL. INSTALLED PROPELLER WITH NEW O-RING P/N C-3317-228 AND FLANGE NUTS P/N A2044. TORQUED NUTS TO SPEC. LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

Date 5/3/2018
W/O# 16803



Engine Logbook Entry AIRCRAFT: N 445CD
CRS AWKR298C S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach / Flight 1379.1
Eng TSN 1379.1
Eng TSO N/A
TTAF 1379.1

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 70 /80, #2- 60 /80, #3- 75 /80, #4- 70 /80, #5- 70 /80, #6- 70 /80. MASTER ORIFICE: 45 /80. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL AND ONE PINT OF CAMGUARD. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. **INSTALLED NEW LEFT AND RIGHT TAT V-BAND CLAMPS. NEXT REPLACEMENT DUE 1829.1.** INSTALLED NEW WASTEGATE CABLE PULLEY SUPPORT BRACKET. RIGGING CHECKED NORMAL. INSTALLED 12 NEW TEMPEST SPARK PLUGS. REINSTALLED LH TURBO P/N: 646677 S/N: RAO108 AFTER OVERHAUL BY APPROVED TURBO COMPONENTS, INC. CRS# 07TR2100 UNDER W.O. 36354. REINSTALLED LH WASTEGATE P/N 470842-9004 S.N. YKO26577 AFTER OVERHAUL BY APPROVED TURBO COMPONENTS INC. CRS# 07TR2100 UNDER W.O. 36355. INSTALLED NEW RH WASTEGATE P/N 22-6150026. INSTALLED NEW RESTRICTION DRAIN ORIFICE IN MAGNETO FILTER.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed:

Shawn Matthies AWKR298C

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	→				

Date 5/4/2018
W/O# 16803



Engine Logbook Entry
CRS AWKR298C

AIRCRAFT: N 445CD
S/N 2504

25170 Aviation Ave., Davis, CA 95616

Tach

1379.1

REMOVED LEFT MAGNETO P/N 10-500556-101 S/N D08EA216. INSTALLED REBUILT LEFT MAGNETO P/N BL-500556-101 S/N D18CA176R SUPPLIED BY TCM CRS# PQ1269CE UNDER W/O 641618. SET MAGNETO TO ENGINE TIMING, OPERATIONAL CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *[Signature]*

Shawn Matthies AWKR298C

wo: WO_1267 Engine - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD CONTINENTAL, IO-550-N46, S/N: 689522 July 26, 2018
Tach: 1409.1 TSN: 1409.1 Hobbs: 1497.5

- Adjusted manifold pressure.
- Replaced left magneto with new. Installed (1) BL-500556-101 - Magneto, S/N: D18EA108R Installed (1) 649954 - Magneto Gasket.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_1267.

Jeffrey Fay A&P 2679315 *[Signature]*

wo: WO_1273 Engine - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD CONTINENTAL, IO-550-N46, S/N: 689522 August 6, 2018
Tach: 1410.5 TSN: 1410.5 Hobbs: 1498.9

Troubleshoot oil leak and drop in MP, found LH turbo failed. Removed turbo and tail pipe. Sent tail pipe to Knisley welding for inspection and reinstalled after completion. Performed compression check and borescope inspection of all cylinders, no anomalies noted. Inspected LH exhaust with borescope, no anomalies found. Installed overhauled turbo from Approved Turbo Components, work order # 36551. Ran engine, ops check good. Installed (3) Aeroshell - W100+ Oil, Installed (1) 646677 - Turbo charger, S/N: RC0111, Installed (6) AN4027-1 - Spark plug gasket. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_1273.

Jeffrey Fay A&P 2679315 *[Signature]*

ENGINE MODEL: IO-550-N
ENGINE S/N: 689522
REG. NO: N445CD
WORK ORDER:
10810-01-2019



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 1/12/2019
A/C TSN: 1437.4
ENG TT: 1437.4
HOBBS: 1525.8

Engine Entries

Changed oil and filter. Cut open filter and checked for metal, metal found. Serviced with 8 qts. of Aeroshell 15W-50. Oil sample taken. Engine run and leak check good.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 1/12/2019

SIGNED:

[Signature]
Travis L Anderson
Certified Repair Station No. L9OR473Y

Work Order: 10810-01-2019

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wo: WO_1635 Engine Annual - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD Continental, IO-550-N, S/N: 689522 May 30, 2019
Tach: 1462.4 TSN: 1462.4 Hobbs: 1550.7

- Performed Annual Inspection per Sierra Aero LLC Inspection Checklist. Researched Service Bulletins and Airworthiness Directives, see attached Airworthiness Directive Report. Compression: 1). 70, 2). 47, 3). 70, 4). 75, 5). 73, 6). 66/80. Installed (6) AN4027-1 - Spark plug gasket.
- Drained oil and removed filter. Cut filter and inspected, no discrepancies noted. Installed (1) Carnguard - Additive, Installed (7) Aeroshell - 15W50 Oil, Installed (1) AA48108 - Tempest Oil Filter.
- Obtained oil sample and sent to Blackstone for analysis. Installed (1) Blackstone - Oil Sample.
- Ran engine, leak check good.

I certify that this ENGINE has been inspected IAW an ANNUAL inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_1635.

Jeffrey Fay IA 2679315 *[Signature]*

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 →					

wo: WO_1635 Engine - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD CONTINENTAL, IO-550-N46, S/N: 689522 May 30, 2019
Tach: 1462.4 TSN: 1462.4 Hobbs: 1550.7

- Adjusted turbo controller.
- Complied with TAT SB11-01 by inspection of exhaust.
- Complied with TAT SB09-01 by inspection of exhaust manifold.
- Complied with SI11-04 by inspection/cleaning of turbo oil supply screen.
- Complied with TAT SB10-01 by inspection of alt. air door hinge.
- Complied with TAT SB12-02 by inspection of fuel pump.
- Complied with TAT SI08-04 by inspection and testing of tail pipe.
- Complied with TAT SI11-03 by inspection of turbo support assemblies.
- Complied with TAT SI08-05 by cleaning of air filter.
- Secured #2 EGT clamp.
- Replaced clamp for heat shield with new. Installed (1) 01 - Adel Clamp.
- Removed RH magneto, replaced points with new, reinstalled and timed to spec. Installed (2) SA638172 - Bushing Superior Continental, Installed (1) 649954 - Magneto Gasket, Installed (1) 10-382584 - Magneto point.
- Removed crossover SCAT hose from air box to alt air box, cleaned, and sealed with RTV.
- Secured tach sensor in magneto fitting.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_1635.

Jeffrey Fay A&P 2679315

wo: WO_1663 Engine - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD CONTINENTAL, IO-550-N46, S/N: 689522 June 12, 2019
Tach: 1470.3 TSN: 1470.3 Hobbs: 1558.7

Removed Skytec starter C24ST3 S/N 4C3-011049 and starter adapter. Installed overhauled starter adapter 642083 S/N: CAM18-206 and new Powerlite starter PL13484 S/N: 1802727. Updated weight and balance. Removed, Sent for Repair (1) C24ST3 - SkyTec Starter, S/N: 4C3-011049, Installed (1) 653470 - Gasket starter adapter, Installed (1) PL13484 - Tempest Powerlite Starter, S/N: 1802727, Installed (1) 642083 - Starter adapter, exchange unit, S/N: CAM18-206. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_1663.

Jeffrey Fay A&P 2679315

wo: WO_2102 Engine - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD CONTINENTAL, IO-550-N46, S/N: 689522 January 16, 2020
Tach: 1508.6 Hobbs: 1597.0

- Drained oil and removed filter. Cut filter and inspected. Small brass colored slivers noted. Owner advised. Owner to come back after 5 flight hours to re-check the filter. Installed (1) AA48108 - Tempest Oil Filter, Installed (1) Camguard - Additive, Installed (7) Aeroshell - 15W50 Oil.
- Obtained oil sample and sent to Blackstone for analysis. Installed (1) Blackstone - Oil Sample.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_2102.

Jeffrey Fay A&P 2679315

wo: WO_2261 Engine - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD CONTINENTAL, IO-550-N46, S/N: 689522 June 5, 2020
Hobbs: 1526.6 Flight hobbs: 1615.0

- Installed Reiff Preheater, Standard System, per Reiff Installation instructions.
- Performed SB11-01 inspection of exhaust.
- Complied with TAT SI08-05 by cleaning of air filter.
- Performed SB 10-01 by inspection of alternate air door hinge. No discrepancies noted.
- Complied with SI11-04 by inspection/cleaning of turbo oil supply screen.
- Complied with TAT SB12-02 by inspection of fuel pump.
- Replaced oil filler cap gasket with new. Installed (1) RG-642892 - Oil cap gasket, Installed (1) RG-642892 - Oil cap gasket.
- Adjusted fuel flow per CMI M-0.
- Complied with SB2X-71-33 (CMI SB18-08A) by inspection of cylinder #s, no modification required; 1). AC08HB825, 2). AC08HB783, 3). AC09GA923, 4). AC0913543, 5). AC07AB004, 6). AC07BA648.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_2261.

Taylor Good A&P 3529105

wo: WO_2261 Engine Annual - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD Continental, IO-550-N, S/N: 689522 June 5, 2020
Hobbs: 1526.6 Flight hobbs: 1615.0

- Performed Annual Inspection per Sierra Aero LLC Inspection Checklist. Researched Service Bulletins and Airworthiness Directives, see attached Airworthiness Directive Report. Compression: 1). 74, 2). 55, 3). 65, 4). 75, 5). 62, 6). 64/80. Installed (12) AN4027-1 - Spark plug gasket.
- Drained oil and removed filter. Cut filter and inspected, no discrepancies noted. Installed (7) Aeroshell - 15W50 Oil, Installed (1) Camguard - Additive, Installed (1) AA48108 - Tempest Oil Filter.
- Obtained oil sample and sent to Blackstone for analysis. Installed (1) Blackstone - Oil Sample.
- Ran engine, leak check good.

Researched AD's; see attached AD Compliance Report. I certify that this ENGINE has been inspected IAW a 100 HR/ANNUAL inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_2261.

Taylor Good IA 3529105

wo: WO_2943 Engine Annual - page 1 of 1

SIERRA AERO
Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

N445CD Continental, IO-550-N, S/N: 689522 July 14, 2021
Flight Hobbs: 1663.3 TSN: 1663.3 hobbs: 1574.9

- Performed Annual Inspection per Sierra Aero LLC Inspection Checklist. Researched Service Bulletins and Airworthiness Directives, see attached Airworthiness Directive Report. Compression: 1). 68, 2). 55, 3). 66, 4). 66, 5). 60, 6). 60/80. Installed (12) M-674 - Spark plug gasket.
- Drained oil and removed filter. Cut filter and inspected, no discrepancies noted. Installed (1) Camguard - Additive, Installed (1) AA48108 - Tempest Oil Filter, Installed (7) Phillips - 20W50 Oil.
- Obtained oil sample and sent to Blackstone for analysis. Installed (1) Blackstone - Oil Sample.
- Ran engine, leak check good.

Researched AD's; see attached AD Compliance Report. I certify that this ENGINE has been inspected IAW a 100 HR/ANNUAL inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_2943.

Taylor Good IA 3529105

