

# **ENGINE LOG BOOK**



## Service Information

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

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

## Engine Returns

Return engines for core credit with this log book to:

**Continental Motors, Inc.**  
2039 Broad Street  
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

**Continental Motors, Inc.**  
Factory Service Center  
8600 County Road 32  
Fairhope, Alabama 36532 USA

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



# Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed: 10/26/2015

Test Date: 10/22/2015

This engine model TSI0550K1B, serial number 1031476 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

**CONTINENTAL MOTORS, INC.**

Form 6012-03 (Rev Sept 2014)



ENGINE RECORD  
ENTRY

Registration	N877EM
Model No.	SR22T
Serial No.	1217

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Flight Time	53.7
Total Time	--

PAGE 1 OF 1

1. DRAINED OIL OBTAINED AN OIL SAMPLE, REMOVED FILTER, OPENED FILTER AND INSPECTED FOR METAL, NONE FOUND. INSTALLED A NEW CHAMPION OIL FILTER PART NUMBER CH48108-1 SERVICED THE ENGINE WITH AEROSHELL W 100-SAE 50 DETERGENT OIL. THE ENGINE WAS WASHED AND GROUND RUN AND LEAK CHECK WAS SATISFACTORY.

THE AIRCRAFT/COMPONENT IDENTIFIED ABOVE WAS MAINTAINED OR ALTERED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. ALL DISRUPTED SYSTEMS WERE RESTORED AND FUNCTIONALLY TESTED IN ACCORDANCE WITH MFG'S INSTRUCTIONS. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER **Work Order: 11M-3727**

Date:	04/13/2016	Authorized Signature:	 Richard Kurland
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Date		Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
		Hours	Min	Hours	Min	



### ENGINE RECORD ENTRY

Registration	N77EM
Model No.	SR22T
Serial No.	1217
Engine Model	TSIO550K1B
Engine S/N	1031476

Cutter Aviation San Antonio, Inc.  
 367 Sandau Rd.  
 San Antonio, Texas 78216  
 Phone (210) 384-3388 Fax (210) 384-3394  
 CRS U7TR491Y

Flt hour meter	96.9
Engine TT	96.9

PAGE 1 OF 1

1. COMPLIED WITH A 100 HOUR INSPECTION IAW FAR43 APPENDIX D USING THE CIRRUS SR22 SERIES SCHEDULED INSPECTION REPORT AS A GUIDE.
2. DRAINED OIL, OBTAINED AOA SAMPLE AND REMOVED FILTER. OPENED FILTER TO CHECK FOR METAL CONTAMINATION. NONE FOUND. INSTALL NEW CH48108-1 FILTER. SERVICED ENGINE WITH 8 QTS OF AEROSHELL 15W50 OIL. LEAK CHECKED GOOD.
3. COMPRESSION CHECK RESULTS: 1-79/80 2-76/80 3-76/80 4-76/80 5-78/80 6-78/80
4. COMPLIED WITH 12 MONTH CLEANING OF FUEL INJECTOR NOZZLES. OPS CHECKED AND LEAK CHECKED GOOD. REFERENCED PERMOLD SERIES ENGINE MAINTENANCE AND OVERHAUL MANUAL.
5. COMPLIED WITH 12 MONTH FUNCTIONAL CHECK OF FUEL INJECTION SYSTEM. ADJUSTED FUEL PRESSURE AND IDLE SPEED AS NEEDED. REFERENCED SR22 SERIES MM 73-20.
6. INSTALLED NEW STARTER ADAPTER P/N 658440A3 USING NEW GASKET P/N 653470. OPS CHECKED AND LEAK CHECKED GOOD. REFERENCED TSIO550 SERIES MAINTENANCE AND OVERHAUL MANUAL SECTION 10-4.5.

I CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FAR 43 Appendix D, AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under **Work Order: 11M-4055**

Date:	2/15/2017	Authorized Signature:	 Tom Bierschwale
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### ALAMO AERO SERVICES, INC.

P.O. BOX 460212 SAN ANTONIO TX 78246 PHONE (210) 525-9677 FAX (210) 525-1226

DATE: 11/6/2017 REG.NO. N877EM  
 Flight Hours: 140.7 ENGINE

Performed the following maintenance:

- Drained engine oil, changed filter p/n: CH48108-8 and serviced with 7 quarts of Aeroshell w100 oil.

The maintenance and / or inspection performed on the engine identified above was performed in accordance with current federal aviation regulations and was found to be airworthy for return to service.

Mike Kappel  
 AP 3325060

ENGINE MODEL:  
TSIO550K(1)  
ENGINE S/N: 1031476  
REG. NO: 877EM  
WORK ORDER: 2555



### Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101  
Austin Executive Airport  
Pflugerville, TX 78680  
Phone: 512-610-3111

DATE: 2/22/2018  
A/C TSN: 142.8  
ENG TT: 142.8  
TSMOH:  
FLIGHTTIME: 142.8

### Engine Entries

Compressions: #1 72/80, #2 74/80, #3 72/80, #4 70/80, #5 64/80, #6 70/80, M.O.=44/80, all found satisfactory per M-O. Checked magneto timing per data plate and M-O. Cleaned, gapped, and rotated spark plugs, replaced gaskets. Cleaned induction filters. C/W CMI ICA incremental items for turbo systems. Ran up, checked for leaks, none noted.

Technicians Who Worked On The Items Listed Above:  
Jessy Parsons

I certify this engine has been inspected in accordance with a 100-hour inspection and was found to be in airworthy condition.

DATE: 2/22/2018

SIGNED:

Work Order: 2555

Jessy Parsons, A&P: 3710436

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Joplin, MO  
www.alphaaircenter.com  
417-623-3113

5509 Dennis Weaver Dr., Webb City, MO 64870

Date: 5/18/2018; Aircraft: N877EM; Hobbs: 219.6  
Shop Order #: 18-1418, Closed: 5/18/2018  
Drained oil and cut open oil filter. No metal found. Installed new filter p/n CH48108-1 and filled crankcase with 8 qts Exxon Elite 20W-50 oil. Cleaned engine. No leaks noted on run-up.  
I certify this engine was serviced and inspected in accordance with current FARs and is in an airworthy condition for the work performed above and is approved for return to service.  
Pertinent details of the repair are on file under the Shop Order listed above.

Michael P. Blakely

A/P-IA Cert. # 2656376

Michael P. Blakely Date 5-18-2018



Joplin, MO  
www.alphaaircenter.com  
417-623-3113

5509 Dennis Weaver Dr., Webb City, MO 64870

Date: 7/20/2018; Aircraft: N877EM; Hobbs: 267.7; Engine - Type: TSIO-550-K(1), S/N: 1031476  
Shop Order #: 18-1454, Closed: 7/20/2018  
Drained oil and cut open oil filter. No metal found. Installed new filter p/n CH48108-1 and filled crankcase with 7 qts Exxon Elite 20W-50 oil. Cleaned engine. No leaks noted on run-up.  
I certify this engine was serviced and inspected in accordance with current FARs and is in an airworthy condition for the work performed above and is approved for return to service.  
Pertinent details of the repair are on file under the Shop Order listed above.

Michael P. Blakely

A/P-IA Cert. # 2656376

Michael P. Blakely Date 7-20-2018



Joplin, MO  
www.alphaaircenter.com  
417-623-3113

5509 Dennis Weaver Dr., Webb City, MO 64870

Date: 11/14/2018; Aircraft: N877EM; Hobbs: 308.0; Engine - Type: TSIO-550-K(1), S/N: 1031476  
Shop Order #: 18-1525, Closed: 11/14/2018  
Drained oil and cut open oil filter. No metal found. Installed new filter p/n CH48108-1 and filled crankcase with 8 qts X/C 20W-50 oil. Cleaned engine. No leaks noted on run-up.  
I certify this engine was repaired and inspected in accordance with current FARs and is in an airworthy condition for the work performed above and is approved for return to service.  
Pertinent details of the repair are on file at this Repair Station under the Shop Order listed above.

Signed: Michael P. Blakely Date 11-14-2018

ALPHA AIR CENTER CRS# 9KCR114D



Joplin, MO  
www.alphaaircenter.com  
417-623-3113

5509 Dennis Weaver Dr., Webb City, MO 64870

Date: 3/06/2019; Aircraft: N877EM; Type: SR22T; Hobbs: 342.7; Engine - Type: TSIO-550-K(1), S/N: 1031476, Time: 269.6 hrs  
Shop Order #: 19-1576, Closed: 3/05/2019  
Performed an Annual Inspection using Cirrus SR22 AMM Scheduled Inspection Report and FAR 43, App. D as guides.  
The oil was not changed at this time. The oil filter was removed and cut open, no metal found. Installed new filter CH48108-1.  
The fuel injection nozzles were cleaned.  
Replaced 2 bad spark plugs with URHB32E plugs.  
Adjusted mag timing in accordance with engine data plate.  
ADs were checked thru 3-5-2019. No new applicable ADs found.  
I certify an Annual Inspection was completed in accordance with current FARs and this engine is in an airworthy condition and is approved for return to service.  
Pertinent details of the repair are on file at this Repair Station under the Shop Order listed above.

Signed: Michael P. Blakely Date 3-5-2019

ALPHA AIR CENTER CRS# 9KCR114D



Joplin, MO  
www.alphaaircenter.com  
417-623-3113

5509 Dennis Weaver Dr., Webb City, MO 64870

Date: 7/19/2019; Aircraft: N877EM; Type: SR22T; Hobbs: 380.5; Engine - Type: TSIO-550-K(1), S/N: 1031476, Time: 380.5  
Shop Order #: 19-1692, Closed: 7/19/2019  
Drained oil and cut open oil filter. No metal found. Installed new filter p/n CH48108-1 and filled crankcase with 8 qts Phillips X/C 20W50 oil. Cleaned engine. No leaks noted on run-up.  
I certify this engine was serviced and inspected in accordance with current FARs and is in an airworthy condition for the work performed above and is approved for return to service.  
Pertinent details of the repair are on file at this Repair Station under the Shop Order listed above.

Signed: Michael P. Blakely Date 7-19-2019

ALPHA AIR CENTER CRS# 9KCR114D

Record

noval and  
Directives,



Date	Hours	Min	Hours	Min	Record installa Specia
Carried forward →					



Joplin, MO  
www.alphaaircenter.com  
417-623-3113

5509 Dennis Weaver Dr., Webb City, MO 64870

Date: 11/07/2019; Aircraft: N877EM; Type: SR22T; S/N: 1217; Hobbs: 422.7

Shop Order #: 19-1849, Closed: 11/07/2019

Drained oil and cut open oil filter. No metal found. Installed new filter p/n CH48108-1 and filled crankcase with 8 qts Phillips X/C 20W50 oil.  
Cleaned engine. No leaks noted on run-up.

I certify this engine was serviced and inspected in accordance with current FARs and is in an airworthy condition for the work performed above and is approved for return to service.

Pertinent details of the repair are on file at this Repair Station under the Shop Order listed above.

Adam Piepke

A/P Cert. # 3965513

*Adam Piepke*

Date 11-7-19