

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: 11/25/2007

This engine model I0550N46, Serial No. 691547 was manufactured on 11/25/2007 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. 508

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.	

Reg #: N448LM
 Model: Cirrus SR22
 Serial #: 2893
 Work Order #: 20710



Hobbs: 25.9
 Tach:
 Total Time:
 Date: 1/15/08

Rmvd oil and filter. Took SOAP sample. Cut open and inspected filter. No metal noted. Installed filter p/n CH48108-1 and serviced with 8qts Aeroshell 100 mineral. Washed engine and ground ran. Ops check normal and no leaks noted at this time. For further details see WO# 20710 on file this station.

Timothy J. Platt
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N448LM
 Model: Cirrus SR22
 Serial #: 2893
 Work Order #: 20788



Hobbs: 70.8
 Tach:
 Total Time:
 Date: 3/18/08

Rmvd oil and filter. Took SOAP sample. Cut open and rmvd filter. No metal noted. Installed filter p/n CH48108-1 and serviced with 8qts Aeroshell 15W50. Cleaned, gapped, tested and rotated spark plugs. Washed engine and ground ran. Ops check normal and no leaks noted. For further details see WO# 20788 on file this station.

Timothy J. Platt
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N448LM
 Model: Cirrus SR22
 Serial: 2893
 Work Order #: 21122



Hobbs: 139.6
 Tach: FHM: 111.1
 Total Time:
 Date: 10/27/08

Changed oil & filter. Took SOAP sample. Cut open filter & inspected. No metal noted. Installed new filter P/N CH48108-1. Serviced w/ 8 qts Aeroshell 15W50. Cleaned, gapped, tested, & rotated spark plugs. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 21122 on file this station.

Timothy J. Platt
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N448LM
 Model: Cirrus SR22
 Serial #: 2893
 Work Order #: 20788



Hobbs: 70.8
 Tach:
 Total Time:
 Date: 3/18/08

Replaced protective tape on RH MLG strut. Installed new tape p/n AK-009-G3/RS. Repaired cracks in gel coat on interior of pilot's door. Door painted by Barnes Collision under RO# 005587. For further details see WO# 20788 on file this station.

Timothy J. Platt
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brought

Reg #: N448LM
Model: Cirrus SR22
Serial #: 2893
Work Order #: 20788



Hobbs: 70.8
Tach:
Total Time:
Date: 3/18/08

Rmvd oil and filter. Took SOAP sample. Cut open and rmvd filter. No metal noted. Installed filter p/n CH48108-1 and serviced with 8qts Aeroshell 15W50. Cleaned, gapped, tested and rotated spark plugs. Washed engine and ground ran. Ops check normal and no leaks noted. For further details see WO# 20788 on file this station.

Timothy J. Salter
For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N448LM
Model: Cirrus SR22
Serial: 2893
Work Order #: 21240



Hobbs: 156.5
FHM: 127.7
Total Time:
Date: 2/25/09

C/W SB2X-28-08R1 by installing kit P/N 70226-001. Replaced LH IB MLG fairing w/ new fairing P/N 18138-001. Ground run acft. Ops check normal & no leaks noted. For further details see WO# 21240 on file this station.

Timothy J. Salter
For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N448LM
Model: Cirrus SR22
Serial: 2893
Work Order #: 21260



Hobbs: 157.5
Tach: 128.8
Total Time:
Date: 3/9/09

Installed new Gill battery P/N G243, S/N G02409813. Ops check normal. For further details see WO# 21260 on file this station.

Timothy J. Salter
For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N448LM
Model: Cirrus SR22
Serial: 2893
Work Order #: 21301



Hobbs: 164.7
FHM: 135.9
Total Time:
Date: 4/23/09

Replaced RH fuel vent tube w/ new P/N 50173-125U. Acft test flown by owner. Ops check normal. For further details see WO# 21301 on file this station.

Timothy J. Salter
For: Air Care, Inc.
FAA Repair Station
AC0R030C

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 #: N448LM
 Model: Cirrus SR22
 Serial: 2893
 Work Order #: 21573



Hobbs: 222.4
 Tach: 193.4
 Total Time: 193.4
 Date: 2/3/2010

ETT: 193.4
 Performed 100 hr inspection using Cirrus SR22 M/M Inspection Checklist as a guide. Drained oil & removed filter. Took SOAP sample. Cut open filter. No metal noted. Installed 8 qts Aeroshell 15W50 & CH48108-1 filter. Compression results: #1) 75/80 #2) 73/80 #3) 73/80 #4) 73/80 #5) 74/80 #6) 74/80. AD2009-16-03 is N/A, suspect heads not installed. AD2009-24-52E is N/A by engine in service date & no lifters replaced. Ground ran engine & checked systems ops. Ops check normal. For further details see WO# 21573 on file this station. I certify that this engine has been inspected I/A/W a 100 hr inspection & is approved for return to service.

William A. Burbane

For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N448LM
 Model: Cirrus SR22
 Serial: 2893
 Work Order #: 21963



Hobbs: 269.0
 Tach: 240.0
 Total Time: 240.0
 Date: 2/21/2011

ETT: 240.0
 Performed 100 hr inspection using Cirrus SR22 M/M inspection checklist as a guide. Drained oil & removed filter. Took SOAP sample. Cut open filter. No metal noted. Installed 8 qts Aeroshell 15W50 & a CH48108-1 filter. Compression results: #1) 74/80 #2) 74/80 #3) 73/80 #4) 70/80 #5) 75/80 #6) 73/80. Orifice reading "44". AD2010-11-04 is N/A by build date & no replacement after 6-19-09. Ground ran engine & checked systems ops. Ops check normal. For further details see WO# 21963 on file this station. I certify that this engine has been inspected I/A/W a 100 hr inspection & is approved for return to service.

William A. Burbane

For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N448LM
Model: Cirrus SR22
Serial: 2893
Work Order #: 22291



Hobbs: 350.3
Flight: 321.3
Total Time: 321.3
Date: 2/23/2012

Date

Brought For ETT: 321.3
Performed 100 hr inspection using Cirrus SR22 Maintenance Manual annual checklist as a guide. Removed oil & filter. Took SOAP sample. Cut open filter. No metal noted. Installed new CH48108-1 filter & serviced w/ 8 qts of Aeroshell 15W50 oil. Performed compression check w/ following results: #1) 70/80 #2) 73/80 #3) 72/80 #4) 70/80 #5) 70/80 #6) 75/80 w/ master orifice reading of "42". C/W AD2011-25-51, AD N/A STC not installed. C/W AD2012-03-06C, AD N/A by build date & no servo parts replacement. Removed & replaced all spark plugs w/ new P/N URHB32E. Washed engine & ground ran acft. No leaks or defects noted. For further details see WO# 22291 on file this station. I certify that this engine has been inspected I/A/W a 100 hr inspection & is approved for return to service.

For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N448LM
Model: Cirrus SR22
Serial: 2893
Work Order #: 22590



Hobbs: 397.1
FHM: 368.1
Total Time: 368.1
Date: 3/26/2013

S/N 691547 ETT: 368.1
Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection report as a guide. Changed oil & filter. Took SOAP sample. Cut open & inspected filter. No defects noted. Installed new filter P/N CH48108-1. Serviced w/ 8 qts Aeroshell 15W50. Checked compression: #1) 70/80 #2) 70/80 #3) 70/80 #4) 73/80 #5) 75/80 #6) 70/80. Master orifice: "42" per SB03-3. AD2012-10-13 N/A, STC not installed. Replaced clamp P/N 652436-1 on #3 fuel injector line. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 22590 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & approved for return to service.

For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N448LM
Model: Cirrus SR22
Serial: 2893
Work Order #: 22816



Hobbs: 439.5
FHM: 410.5
Total Time: 410.5
Date: 4/9/2014

S/N 691547 ETT: 410.5
Performed 100 hour inspection using Cirrus SR22 M/M scheduled inspection report as a guide. Changed oil & filter. Took SOAP sample. Cut open filter & inspected. No defects noted. Installed new filter P/N CH48108-1. Serviced w/ 8 qts Aeroshell 15W50. Checked compression: #1) 76/80 #2) 76/80 #3) 75/80 #4) 75/80 #5) 70/80 #6) 70/80. Master orifice "42" per SB03-3. AD2014-05-29 N/A, no Superior Air Parts installed. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 22816 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

For: Air Care, Inc.
FAA Repair Station
AC0R030C

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 →

12-23-2014 N448LM Flight Time: 443.0 Propeller Total Time: 443.0 Propeller TSOH: 0.0
 Removed propeller and propeller governor for overhaul. Reinstalled propeller, Model No. PHC-J3YF-1N, S/N FP6319B after overhaul by Jordan Propeller on W/O #16991. Reinstalled propeller governor, Model No. C290D3R/T23, S/N 071383 after overhaul by R&D Propeller on W/O #15393. All work done IAW Cirrus SR22 Maintenance Manual, Ch. 61. Ran engine; functionally checked operation of propeller and governor IAW Cirrus SR22 Maintenance Manual, Ch. 61-20. A&P 3646778

05-02-2015 N448LM Hobbs Time: 489.2 Flight Time: 452.8 Engine Total Time: 452.8
 Performed an ANNUAL inspection IAW Inspection Check List and Time Limits Table from Cirrus Maintenance Manual. Compression: #1 70/80, #2 70/80, #3 70/80, #4 70/80, #5 70/80, #6 72/80. Changed oil and filter; serviced with 8qts. Aeroshell W100plus oil and new CH48108-1 filter. Opened and inspected the removed oil filter; no metal found. Cleaned and gapped spark plugs. Removed both magnetos inspected, lubricated, set internal timing, and reinstalled and timed to engine. ADs checked thru 2015-08. Performed operational check of engine IAW FAR 43.15 (c)(2) and found satisfactory. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition on this date. A&P3646778IA

09-01-2015 N448LM Flight Hobbs: 498.1 Hobbs: 545.5
 Performed 50hr inspection Per Cirrus Inspection Checklist 50hr items. Changed oil and filter serviced with 7qts Aeroshell W100 plus and new CH48108-1 filter. Ran engine no leaks found. I certify that this engine was inspected IAW a 50hr inspection and was determined to be in airworthy condition on this date. A&P3646778

Continental IO540N(46), s/n 691547, N448LM, **March 21, 2016**, Hobbs: 573.6, Flight: 518.1. Compressions: #1 72/80, #2 56/80, #3 66/80, #4 56/80, #5 70/80, #6 68/80, all acceptable per SB03-3, M.O.= 44. Drained oil and replaced filter. Opened old filter for inspection, no debris noted. Serviced with Shell 100W Plus oil. Pressure checked exhaust system, no defects noted. Adjusted mag timing per engine data plate and MSB94-8D. Replaced air filter, p/n BA-24. C/W S32X-28-12R1 per inspection of electric boost pump and insertion of POH revision. Pressure checked engine bay fuel system, no leaks noted. Ran up and checked for leaks, none noted. I certify that this engine has been inspected in accordance with a **100-hour inspection** and was determined to be in an airworthy condition.

Signature *R. W. McBride, Jr.* R. W. McBride, Jr. AP2710158
 Chuck's Aircraft LLC., Austin Executive Airport

MAY 25 2016 Hobbs 628.7
 DRAIN ENGINE OIL REMOVE AND REPLACE OIL FILTER SERVICE WITH 8qts Aeroshell W100 PLUS WASH AND TEST RUN CHECK FOR LEAKS NONE NOTED

[Signature]
 AP54444605

DEC 13 2016 Hobbs 694.3 Flight 618.1
 DRAIN ENGINE OIL REMOVE AND REPLACE OIL FILTER SERVICE WITH 8qts Aeroshell W100 PLUS WASH AND TEST RUN CHECK FOR LEAKS NONE NOTED

[Signature]
 AP54444605

Date 4/13/2017
W/O# 15963



Engine Logbook Entry AIRCRAFT: N 448LM
CRS AWKR298C S/N 2893
25170 Aviation Ave., Davis, CA 95616

Tach / Flight
Eng TSN
Eng TSO
TTAF

656.4 COMPLETED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
656.4 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 66 /80, #2- 66 /80, #3- 66 /80, #4- 66 /80, #5- 70 /80, #6- 66 /80. MASTER ORIFICE: 44 /80.
N/A 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 AEROSHELL 100W+ ENGINE OIL. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.
656.4 REINSTALLED LEFT MAGNETO P/N 10-500556-1 S/N D07KA059 AND RIGHT MAGNETO P/N 10-500556-1 S/N D07KA055 AFTER 500 HR INSPECTION COMPLETED BY AIRCRAFT ELECTRICAL COMPONENTS CRS# S7HR883J, UNDER WO# 15963. TIMED MAGNETOS TO ENGINE PER DATA PLATE. INSTALLED NEW #1 ALTERNATOR BASE GASKET.

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

ENGINE MODEL:
ENGINE S/N:
REG. NO: N448LM
WORK ORDER: 29735



APR Aviation, Inc.
Repair Station No. CP3R431L
5041 E. Andersen Ave
Fresno, California 93727 USA
Phone: 800-982-8466

DATE: 10/3/2017
A/C TSN:
ENG TT:
HOBBS: 698.5

Engine Entries

(1) Changed oil and filter, inspected filter, no contaminants found. Refilled with Aeroshell 100dw plus oil. Run and leak check good.

I certify that the engine identified above has been inspected in accordance with a 100 hour inspection and has been found airworthy as of this date.

DATE: 10/3/2017

SIGNED:

Work Order: 29735

Kevin Vintag Johnson
Certified Repair Station No. CP3R431L

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Date 5/11/2018
W/O# 16841



Engine Logbook Entry AIRCRAFT: N 448LM
CRS AWKR298C S/N 2893
25170 Aviation Ave., Davis, CA 95616

Tach / Flight
Eng TSN
Eng TSO
TTAF

735 COMPLETED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
735 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 63 /80, #2- 66 /80, #3- 64 /80, #4- 67 /80, #5- 64 /80, #6- 68 /80. MASTER ORIFICE: 44 /80.
N/A 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 PLUS ENGINE OIL. TIMED LEFT AND RIGHT MAGNETOS TO ENGINE. INSTALLED 12 NEW TEMPEST SPARK PLUGS P/N URHB32E.

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 →					
JUN 16 2019 Hobbs 767.7					
Remove all injectors clean and reinstall remove and replace #2 fuel injector due to crack at threads remove and replace all intake gaskets clean and cap all spark plugs check cylinder compression all over 1400 check ignition timing was set at 22° BTDC drain engine oil remove and replace oil filter service with airtax Aeroshell 100 plus wash and test run check for leaks none noted					
<i>Shawn Matthies AWKR298C</i>					

Date 6/1/2019
W/O# 17645



Engine Logbook Entry AIRCRAFT: N 448LM
CRS AWKR298C S/N 2893
25170 Aviation Ave., Davis, CA 95616

Tach / Flight	771.8	COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
Eng TSN	771.8	COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL. COMPRESSION TEST RESULTS: #1- 68/80, #2- 68/80, #3- 66/80, #4- 73/80, #5- 61/80, #6- 70/80.
Eng TSO	N/A	MASTER ORIFICE: 45/80.
TTAF	771.8	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. REINSTALLED #4 CYLINDER EXHAUST RISER AFTER REPAIR. ALSO INSTALLED 2 NEW EXHAUST FLANGE GASKETS ON #4 AND #2 EXHAUST RISERS. INSTALLED NEW OIL FILLER DIPSTICK GASKET.

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 7/9/2020
W/O# 18546



Engine Logbook Entry AIRCRAFT: N 448LM
CRS AWKR298C S/N 2893
25170 Aviation Ave., Davis, CA 95616

Tach / Flight	834.2	COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
Eng TSN	834.2	COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL. COMPRESSION TEST RESULTS: #1- 60/80, #2- 61/80, #3- 60/80, #4- 62/80, #5- 65/80, #6- 66/80.
Eng TSO	N/A	MASTER ORIFICE: 40/80.
TTAF	834.2	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 100W PLUS ENGINE OIL.

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

