




Teledyne Continental Motors, Inc.
 A Teledyne Technologies Company
 P.O. Box 90 - Mobile, Alabama 36601
 www.tcmlink.com

ENGINE WARRANTY REGISTRATION

This is your **ENGINE WARRANTY/RUST** and **CORROSION AWARENESS PROGRAM REGISTRATION** form. It is essential that it be properly completed and returned to TCM Warranty Department immediately. This will expedite processing of the claim should your engine require repair or replacement as provided in the appropriate warranty policy. The engine owner can register on-line for free product and service information. Visit our web site at www.tcmlink.com or contact Customer Service at 1-888-826-5465.

PLEASE COMPLETE AND RETAIN FOR OWNER'S RECORD




Teledyne Continental Motors, Inc.
 A Teledyne Technologies Company

OWNER'S NAME _____
 OWNER'S ADDRESS _____
 CITY, STATE, ZIP _____
 COUNTRY _____ TELEPHONE _____
 SIGNATURE _____

Engine Model _____ Serial # _____
 Date of Installation _____ Tech Time _____
 Aircraft Model _____ Serial # _____
 Year Manufactured _____ Total Airframe Time _____
 What Engine is being replaced? _____
 Serial # _____ Model _____
 Hours _____

PLEASE COMPLETE AND RETURN TO TCM IMMEDIATELY TO REGISTER WARRANTY



Teledyne Continental Motors, Inc.
 A Teledyne Technologies Company

OWNER'S NAME Mike Montgomery
 OWNER'S ADDRESS 4925 Greenville Ave Suite 915
 CITY, STATE, ZIP Dallas, Tx 75206
 COUNTRY USA TELEPHONE 214.926.0596
 SIGNATURE [Signature]

Engine Model IO-550 c(498) Serial # 1005524
 Date of Installation 2-24-12 Tech Time 1659.7
 Aircraft Model Raytheon 58 Serial # TH 1964
 Year Manufactured 2000 Total Airframe Time 1659.7
 What Engine is being replaced? LH
 Serial # 684407 Model IO-550 c(31)
 Hours 1659.7

Owners Validation Of Engine Preservation For Active And Stored Aircraft.

I certify that I have read and understand the information provided in the latest revision of TCM service information letter SIL 99-1.

SIGNATURE [Signature]

Service Information

Consult TCM Internet Services at genuinecontinental.aero for engine related news or announcements. TCM Internet Services contains useful information for TCM engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.

If internet access is not available, contact TCM Customer Service Department at:
1-800-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:

Teledyne Continental Motors
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Teledyne Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



Continental Motors, Inc.

Production Certificate 508

Printed: 11/07/2011

Test Date: 11/04/2011

This engine model I0550C49B, serial number 1005524 was rebuilt 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.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	

Carried **AERO RESTORATIONS, INC.** **N4482W**
Addison Airport, Addison, Texas 75001 Raytheon 58
SN: TH-1964

L/H Engine Log Entry

September 20, 2012 Hour Meter: 1719.3 AFTT: 1719.3 ETSOH: 55.6
 C/W an Annual inspection IAW Hawker Beechcraft 58 series maintenance manual inspection guide. Performed compression check as follows: 1) 78/80, 2) 78/80, 3) 76/80, 4) 76/80, 5) 75/80, 6) 68/80. Cleaned, gapped and tested spark plugs. Cleaned and inspected fuel nozzles. Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 11 Qts Aeroshell 100 mineral oil. AD 2012-03-06 (Avstar diaphragm) does not apply. Ground run, ops and leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409, AN ANNUAL INSPECTION AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #12-3569 ON FILE AT THIS STATION. DATED 09/20/12. INSPECTED BY [Signature] FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
 Raytheon 58
 SN: TH-1964

L/H Engine Log Entry

November 15, 2012 Hour Meter: 1742.0 Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 11 Qts Aeroshell W100 oil. Ground run, ops and leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #12-3590 ON FILE AT THIS STATION. DATED 11/15/12. INSPECTED BY [Signature] FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
 Raytheon 58
 SN: TH-1964

L/H Engine Log Entry

January 25, 2013 Hour Meter: 1766.4 Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 11 Qts Aeroshell W100 oil. C/W oil analysis. Ground run, ops and leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #13-3616 ON FILE AT THIS STATION. DATED 01/25/2013. INSPECTED BY [Signature] FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
 Raytheon 58
 SN: TH-1964

L/H Engine Log Entry

June 28, 2013 Hour Meter: 1798.6 Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 11 Qts Aeroshell W100 oil. C/W oil analysis. Ground run, ops and leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #13-3668 ON FILE AT THIS STATION. DATED 06/28/2013. INSPECTED BY [Signature] FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carrier: **AERO RESTORATIONS, INC.**
Addison Airport, Addison, Texas 75001

N4482W
 Raytheon 58
 SN: TH-1964

L/H Engine Log Entry

November 10, 2014 Hour Meter: 1893.6 AFTT: 1893.6 ETSOH: 229.9
 C/W an Annual inspection IAW Beechcraft Corporation 58 series maintenance manual inspection guide. Performed compression check as follows: 1) 67/80, 2) 68/80, 3) 70/80, 4) 67/80, 5) 71/80, 6) 65/80. Installed a new tachometer shaft seal p/n 531378. Cleaned, gapped and tested spark plugs. Cleaned and inspected fuel nozzles. Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 12 Qts Aeroshell W100 oil. Installed a new crankshaft seal. C/W oil analysis. Ground run, leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409, AN ANNUAL INSPECTION AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #14-3795 ON FILE AT THIS STATION. DATED 11/10/2014. INSPECTED BY [Signature] FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
 Raytheon 58
 SN: TH-1964

L/H Engine Log Entry

March 16, 2015 Hour Meter: 1910.3 Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 11 Qts Aeroshell W100 oil. Ground run, ops and leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #15-3823 ON FILE AT THIS STATION. DATED 03/16/2015. INSPECTED BY [Signature] FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

LH

4580 Claire Chennault Addison, TX 75001
 (972) 931-0345 Tel (972) 931-0450
 Email: mx@monarchair.com
 Date: 9/09/2015; Aircraft: 4482W; S/N: TH-1964

Drained oil and serviced with 11quarts Aeroshell W100 oil. Replaced oil filter with new P/N CH48108-1 Cut open oil filter and no contaminants noted at this time. Engine operational and leak checked with no discrepancies noted.

Above listed maintenance and/or inspections completed by Monarch Air repair station MNGR501G under below referenced work order(s).

Date: 09/09/2015 Work Order: SO-16429 Hobbs Time: 1970.8

I certify that the above repairs are airworthy and that the aircraft is approved for return to service.

Signed [Signature]
 CRS MNGR501G

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	

Carried forward →

MONARCH AIR

4580 Clare Chennault Addison, TX 75001
 (972) 931-0348 Tel
 Email: mxa@monarchair.com

Date: 12/29/2015 Aircraft: 4482W S/N: TH-1961

CAW an annual inspection with reference to Beechcraft Corporation S8 series MM inspection guide.

Drained oil, cut and inspected oil filters. No metal was found. Installed, torqued and safetied new CH48108-1 oil filters. Serviced LH and RH engines with Aeroshell W100 oil. Ground run, leak check good.

Removed LH and RH propellers Hartzell PHC-J3YF-2UF and sent to Fosters Propeller Service for overhaul. Installed overhauled propellers Hartzell PHC-J3YF-2UF, LH serial number: ED4279B, RH serial number: ED4282B, reference Fosters Propeller Service w/o's 8373 and 8374 for details. Installed using new o-rings and attach hardware and torqued with reference to Hartzell operators and installation manual. Ground run, ops and leak check good.

CAW 100 hour lubrication items with reference to Beechcraft Corporation S8 series MM 12-00-00.

Removed LH and RH engine hoses and sent to Aviall hose shop. Installed new LH and RH engine hoses, reference Aviall w/o 1001752099 for details. Torqued to specs and secured as required. Leak check good.

Installed new LH and RH engine spark plugs p/n RHB-32B and trqued to specs. Ground run, ops check good.

Removed LH and RH fuel injectors, cleaned and inspected. Reinstalled and torqued to specs. Leak check good.

Installed new LH and RH induction air couplings p/n 96-919111 using new gaskets. Torqued to specs and safetied as required.

Degreased LH and RH engines and cowlings as required.

Above listed maintenance and/or inspections completed by Monarch Air repair station MNGR501G under below referenced work order(s).

Date: 12/29/2015 Work Order: 3016790 Total Time: 19866

I certify that the ELT has been inspected in accordance with FAR 91.207(d).
 I certify that this aircraft has been inspected in accordance with a 100 hour/ Annual inspection and was found to be in airworthy condition. I also certify that the above listed repairs are airworthy and that the aircraft is approved for return to service.

Signed: *Timothy J. Todd*
 CREW/PIRG 501G

Engine Service and Maintenance Record

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
Raytheon 58
SN: TH-1963

L/H Engine Log Entry

March 4, 2017
Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and unfolled a new CRISTOFI oil filter. Serviced with 11 Qts Aeroshell W100 oil. C/W oil analysis. Ground run, ops and leak check good.

Hour Meter: 2102.0

Mechanic signature: [Signature] A&P 3843227

Shop Order # 17-3001

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
Raytheon 58
SN: TH-1964

L/H Engine Log Entry

December 12, 2017
CW an Annual inspection IAW Beechcraft Corporation 58 series maintenance manual inspection guide. Performed compression check as follows: 1) 72/80, 2) 70/80, 3) 75/80, 4) 68/80, 5) 74/80, 6) 70/80. Cleaned, gapped and tested spark plugs. Cleaned and inspected fuel nozzles. Adjusted metered fuel pressure. Ground run, ops and leak check good.

Hour Meter: 2109.5

AFTT: 2109.5

ETSOH: 449.8

Mechanic signature: [Signature] A&P 3497646 1A

Shop Order # 17-3989

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
Raytheon 58
SN: TH-1963

L/H Engine Log Entry

June 21, 2018
Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CRISTOFI oil filter. Serviced with 11 Qts Aeroshell W100 oil. Ground run, leak check good.

Hour Meter: 2136.4

Mechanic signature: [Signature] A&P 3843227

Shop Order # 18-4015

HM 2136.4

June 21 2018

AD 2014-05-29 Does not Apply, as no affected Superior Cylinders are installed.

[Signature] A&P 3497646

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	

Carried forward

AERO RESTORATIONS, INC.
Addison Airport, Addison, Texas 75001

N4482W
Raytheon 58
SN: TH-1964

L/H Engine Log Entry

December 21, 2018 Hour Meter: 2152.7 AFTT: 2152.7 ETSOH: 493.0
 C/W an Annual inspection IAW Beechcraft Corporation 58 series maintenance manual inspection guide. Performed compression check as follows: 1) 72/80, 2) 52/80, 3) 75/80, 4) 68/80, 5) 70/80, 6) 55/80. Cleaned, gapped and tested spark plugs. Cleaned and inspected fuel nozzles. Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48108-1 oil filter. Serviced with 1 1/2 Qts Aeroshell W100 oil and 16oz of CamGuard. C/W oil analysis. C/W 500 hour magneto inspection by installing repaired magnetos LH p/n BL-349350-4, s/n F11JA055R, RH p/n BL-349350-5 F11JA093R, reference Quality Aircraft Accessories w/o's 046144 and 046142. C/W 500 hour alternator inspection by installing a repaired alternator p/n R649305, s/n O11JA017R, reference Quality Aircraft Accessories w/o 046145 for details. Ground run, ops and leak check good.

Mechanics signature: *[Signature]* A&P 3497646 JA Shop Order 18-4035

4580 Claire Chennault Addison, TX 75001
 (972) 931-0345 Tel (972) 931-0450
 Email: mx@monarchair.com
 Date: 7/18/2019; Aircraft: 4482W; S/N: TH-1964; 2000



Drained oil, cut and inspected oil filters. No metal was found. Installed, torqued and safetied new CH48108-1 oil filters. Serviced LH engine with 11 Qts Aeroshell W100 oil and 16oz ea CamGard. Ground run, leak check good. Sent oil samples to AOA for analysis.

Above listed maintenance and/or inspections completed by Monarch Air repair station MNGR501G under below referenced work order(s).

Date: 7/18/2019 Work Order: SO-18661 Total Time: 2183.2

I certify that the above repairs are airworthy and that the aircraft is approved for return to service.

Signed *[Signature]*
 CRS MNGR501G

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	
Carried forward	→				

4580 Claire Chennault Addison, TX 75001
 (972) 931-0345 Tel (972) 931-0450 Fax
 Email: mx@monarchair.com
 Date: 12/19/2019; Aircraft: 4482W; S/N: TH-1964; 2000



C/W an annual inspection IAW Beechcraft 58 series maintenance manual inspection guide. Performed compression check as follows: LH engine #1) 66/80, #2) 26/80, #3) 68/80, #4) 68/80, #5) 70/80, #6) 50/80. RH engine #1) 50/80, #2) 67/80, #3) 64/80, #5) 56/80, #6) 68/80.
 Cleaned, gaped and tested L/H engine spark plugs. installed and torqued to manufactures specs. Performed ground run ops check good
 Cleaned L/H fuel nozzles. Torqued to manufactures specs. Performed ground run ops and leak check good
 Drained oil, cut and inspected oil filter. No metal was found. Installed a new oil filter p/n CH48108-1. Torqued and safetied as required.
 Serviced engine with 11qts Aeroshell 100 mineral oil. Ground run engine, no leaks noted.
 Removed #2 cylinder from L/H engine. Installed an overhauled cylinder p/n CL71.4-234-OH s/n 77825-12, reference Ram Aircraft 8130-3 W/O 014675. Installed using new gaskets and seals, torqued all hardware IAW CMI IO 550C series overhaul manual. Performed ground break in run referencing TCM M89-7R1. OPS and leak check good.
 Installed a new EGT probe p/n M-111 s/n 0250188. Ops check good. .

Above listed maintenance and/or inspections completed by Monarch Air repair station MNGR501G under below referenced work order(s).

Date: 12/19/2019 Work Order: SO-18842 Total Time: 2200.6

I certify that the ELT has been inspected in accordance with FAR 91.207(d).
 I certify that this aircraft has been inspected in accordance with a 100 hour/ Annual inspection and was found to be in airworthy condition. I also certify that the above listed repairs are airworthy and that the aircraft is approved for return to service.

Signed _____
 CR5 MNGR501G

Aircraft Engine Test Verification

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

Engine Model IO550C49B

Engine Serial Number 1005524

Testing Completed

Standard Acceptance Test:

Date of Completion NOV 04 2011 Test Operator (40204)



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344

NNROD	AE11IA294	WASTEGATE	N/A
NNROD	AE11IA284	CYLINDER - 1	AC11IA197
NNROD	AE11IA321	CYLINDER - 2	AC11IA947

TELEDYNE CONTINENTAL MOTORS

THE OIL PRESSURE ON THIS ENGINE WAS ADJUSTED DURING THE ENGINE ACCEPTANCE TEST AT THE FACTORY. ONLY MINOR ADJUSTMENTS MAY BE NECESSARY TO ASSURE THE PROPER INDICATION ON THE COCKPIT GAUGE.



FACTORY SETTINGS:
RPM 2717 OIL TEMP 185 OIL PRESSURE 47.8
OIL PRESSURE PICK UP POINT: 1 - 3 - 5 SIDE AT
NOSE UNDER ALTERNATOR

655308