

Teledyne Continental Motors

ENGINE LOG BOOK



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

This engine model I0550B 5F, Serial No. 684850
was manufactured on 12-31-99 by Teledyne Continental
Motors in accordance with approved design data and the applicable
requirements of Part 21 of the Federal Aviation Regulations. The
approved design data for this engine incorporates all changes required
by applicable Airworthiness Directives and Teledyne Continental
Motors Service Bulletins.



 **TELEDYNE**
CONTINENTAL MOTORS
An Allegheny Teledyne Company

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.	
3/28/00	0	0	0	0	TACH 1626.4 - INSTALLS THIS ENGINE CONTINENTAL IO-550 S/N 684850 ONTO THIS AIRCRAFT: N91HB, BEECHCRAFT A-36 S/N E-1902, IAW BEECHCRAFT A-36 MAINTENANCE MANUAL & CONTINENTAL OPERATION & INSTALLATION MANUAL FORM X3085. SERVICED ENGINE WITH 12 QTS AEROSHELL SAE 40 MINERAL OIL. ENGINE WAS SUPPLIED WITH FOLLOWING ACCESSORIES: LEFT MAGNETO 56RN-1225 S/N L-219912F, RIGHT MAGNETO 56RN-1225 S/N L139910F, STARTER 646275-1 S/N X-209917, OIL COOLER 10278A S/N E99-3264-290, FUEL PUMP S/N L039913A, ALTERNATOR P/N 649304 S/N L159906-0. RUN ENGINE SET FUEL SYSTEM PRESSURES IAW BEECHCRAFT A-36 SERVICE MANUAL & CONTINENTAL IO-550 OVERHAUL MANUAL & SERVICE BULLETINS.
					I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION
					1 TACH/HOBBS READING <u>1626.4</u> 2 TIME SINCE OVERHAUL <u>0</u> 3 TOTAL TIME <u>0</u> 4 DATE <u>3/29/00</u> TIPPIN AIR INC. <u>TC Hobb</u> TIPPIN, OHIO <u>TA268643629</u>
5/25/00	29	0	29	0	TACH 1655.4 - DRAINED OIL. REPLACES OIL FILTER WITH NEW CHAMARION CH48109 FILTER. SENT OIL ANALYSIS TO CLEVELAND TECHNICAL CENTER. CUT OPEN OLD FILTER & INSPECTED. NO ABNORMAL DEFECTS NOTED. SERVICED ENGINE WITH 11 QTS AEROSHELL 15W-50 OIL. RUN ENGINE. LEAKS CHECKED. <u>TC Hobb APP 268643629 IA</u>
7/11/00	60	42	60	42	TACH 1687.12 (31.7 hrs) - CHANGED OIL & FILTER - INSTALLED 15W50 AEROSHELL - GROUND RUN, CHECKED OK The maintenance described above has been performed in accordance with the applicable standards of airworthiness.
					AMO 10-87 <u>W. Hupley</u> 325724

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.	

NR1HB A36 34E1902
MAINTENANCE RELEASE 10550BSF SN 684850
1713.0 HRS TACH, 86.6 HRS ENGINE TSN.

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. DRAINED ENGINE OIL; REMOVED, OPENED AND CHECKED OLD FILTER - NO CONTAMINATION NOTED. INSTALLED NEW CH48109 FILTER AND SERVICED WITH 11QTS AEROSHELL 15W50 OIL. RAN ENGINE, NO LEAKS NOTED. Pertinent details of the repairs are on file at this repair station under shop order # 2096

Dated 9-14-00

Inspected by John E. Nowak
for Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

MAINTENANCE RELEASE FEB 7, 2001 1748.1 HRS TACH

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. DRAINED ENGINE OIL. REMOVED, OPENED + CHECKED OIL FILTER. NO CONTAMINATION NOTED. INSTALLED NEW CH48109 FILTER. SERVICED WITH 11QTS AEROSHELL 15W50 OIL. RAN ENGINE, LEAK CHECKS OK. Pertinent details of the repairs are on file at this repair station under shop order # 2169

Dated FEB 7, 2001

Inspected by John E. Nowak
for Mid-Ohio Aviation, Inc. CRS# MOGR282S

8 MAR 01 1758.7 Tach 132.3 TT ENGINE Performed compression
check #1 74/80 #2 72/80 #3 75/80 #4 73/80 #5 74/80 #6 75/80

AD 2000-23-21 crankshaft AD NOT Applicable, adjusted megarex
point traps and Eng timing.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order # 2178

Dated 8 MAR 2001

Inspected by Ed Williamson
for Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

I CERTIFY THIS AIRCRAFT, ENGINE, PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ~~100-HR~~ ANNUAL INSPECTION AND HAS BEEN DETERMINED TO IN AN AIRWORTHY CONDITION.

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 Forward →				

13 JUNE 2001 1772.7 TACH 146.3 TSMOY ^{NEW} CHANGED ENGINE OIL and filter. Cut open old filter, NO contamination noted. Serviced with 11 QTS of Aeroshell 15W50. Ran engine, NO leaks noted at this time. Performed Compression check, #1) 70, #2) 71, #3) 69, #4) 72, #5) 74, #6) 75 OVER 80.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order # 2221

Dated 13 June 01

Inspected by Scott A. Young
for Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

21 NOV 01 1805.43 179.0 TSMOY

Changed oil and filter. Cut open old filter, NO contamination noted. Serviced with 11 QTS of Aeroshell 15W50. Took oil sample. Performed Compression check #1) 74, #2) 69, #3) 74, #4) 74, #5) 70, #6) 66. Ran engine, NO leaks were noted at this time.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order

2329

Dated 21 NOV 01

Inspected by Scott A. Young

for



Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

14 FEB 2002 1825.7 199.3 TSMOY Installed GAMI injectors per STC

SE092175C 337 Fenn completed.

Performed compressive check #1 74/80 #2 65/80 #3 73/80 #4 70/80 #5 71/80 #6 70/80

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order

2361

Dated 14 Feb 02

Inspected by Ed Williams

for



Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

I CERTIFY THIS AIRCRAFT, ENGINE, PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100/ANNUAL INSPECTION AND HAS BEEN DETERMINED TO IN AN AIRWORTHY CONDITION.

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					
28 Aug 02	1853.59				tach Drained oil, serviced with AeroShell 15W50 11qts, changed oil Filter no metal Found in old Filter. Pre Forced compression check #174/80 #274/80 #374/80 #474/80 #574/80 #674/80 Ran Engine No Leaks Found

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order # 2459

Dated 28 Aug 02

Inspected by Ed J. Williams

for



Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

10-10-02	1894.4				tach Drained oil serviced with AeroShell 15W50 11qts, changed oil Filter no metal Found in old Filter Ran Engine no leaks Found
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MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order # 2480

Dated 10-10-02

Inspected by Ed J. Williams

for



Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

21 MAR 03	1933.33	406	306.9	506	Drained oil serviced with 11qts 15W50 changed oil Filter no metal Found in old Filter Ran engine no leaks Found Pre Forced compression check #174/80 #274/80 #374/80 #474/80 #574/80 #674/80
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I certify that this aircraft engine propeller has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under shop order # 2538

Dated 21 MAR 03

Inspected by Ed J. Williams

for



Mid-Ohio Aviation, Inc. CRS# MOGR282S

NOTE: Inspection stamp/initials will not be used on the maintenance release.

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					
4-15-03	1945.2 tach Replaced #1 cyl injection PIN GA173 #2 injection PIN GA173 #5 cyl injection PIN GA147 Per G-AME INSTRUCTIONS. Edward J. Hillman / 289423354 JEP KIT SK 9697 KIT NO. GAD 13A				
6-10-03	1976.53 tach 350.1 since new Drained oil serviced with 11qts 15W50 AeroShell changed oil Filter no metal Found in old Filter Performed compression check #1 72/80 #2 75/80 #3 74/80 #4 74/80 #5 78/80 #6 78/80 cleaned & gaped spark plugs Ran ENGINE NO leaks Found				
MAINTENANCE RELEASE The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under shop order # <u>2578</u> Dated <u>6-10-03</u> Inspected by <u>Ed Hillman</u> for  Mid-Ohio Aviation, Inc. CRS# MOGR282S NOTE: Inspection stamp/initials will not be used on the maintenance release.					
8-28-03	2017.0 tach 390.6 since new Drained oil, serviced with 11qts 15W50 AeroShell changed oil Filter no metal Found in old Filter Performed compression check #1 72/80 #2 75/80 #3 70/80 #4 74/80 #5 71/80 #6 78/80 Replaced all spark plugs Ran ENGINE NO leaks Found				
MAINTENANCE RELEASE The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under shop order # <u>2623</u> Dated <u>8-28-03</u> Inspected by <u>Edward J. Hillman</u> for  Mid-Ohio Aviation, Inc. CRS# MOGR282S NOTE: Inspection stamp/initials will not be used on the maintenance release.					

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.	
2-13-04					
Brought Forward →					
2-13-04	209	3.85	Tach	417.42	SINCE NEW Drained oil / serviced with AeroShell 15W50 11 qts. Changed oil / Filter no metal Found in old Filter. Performed compression check #1 72/80 #2 69/80 #3 71/80 #4 70/80 #5 72/80 #6 71/80
Ran Engine No leaks Found					
MAINTENANCE RELEASE					
The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.					
Pertinent details of the repairs are on file at this repair station under shop order # 2687					
Dated 2-13-04					
Inspected by Edward Williams					
for					
 Mid-Ohio Aviation, Inc. CRS# MOGR282S					
NOTE: Inspection stamp/initials will <u>not</u> be used on the maintenance release.					

4-1-04 2055.7 Tach 429.3 TSN Performed compression check #1 70/80 #2 60/80 #3 70/80 #4 68/80 #5 67/80 #6 75/80 Ran engine no leaks noted. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

Pertinent details of the repairs are on file at this repair station under

Shop Order # 2705

Dated 4-1-04

Inspected by Edward Williams

For MID-OHIO AVIATION, INC. CRS# MOGR282S

June 9, 2004 2089.9 hours tach, 463.6 TSN. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new CH48109-1 filter and serviced with 11 qts AeroShell 15W50 oil. Cleaned, gapped, tested and rotated spark plugs. Checked magneto to engine timing. Differential compression check shows cylinder #1) 69/80, #2) 72/80, #3) 71/80, #4) 70/80 #5) 73/80 and #6) 70/80. Ran engine, leak checks and op checks ok. END.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 6-9-04

Pertinent details of the repairs are on file at this repair station under Shop Order # 2735

Dated June 9, 2004

Inspected by Edward Williams

For MID-OHIO AVIATION, INC. CRS# MOGR282S

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.	
2004					
Brought Forward	→				

August 18, 2004 2136.5 hours tach, 510.2 hours engine TSN. Differential compression check shows cylinder #1) 64/80, #2) 67/80, #3) 67/80, #4) 64/80, #5) 69/80 and #6) 65/80. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new CH48109-1 filter and serviced with 11 qts Aeroshell 15W50 oil. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Ran engine, leak checks and op checks ok. END.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 8-18-04

Pertinent details of the repairs are on file at this repair station under Shop Order # 2767

Dated: August 18, 2004

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR282S

October 22, 2004 2181.68 Hours Tach, 555.38 Hours Engine TSN. Differential compression check shows cylinder #1) 66/80, #2) 53/80, #3) 67/80, #4) 62/80, #5) 67/80 and #6) 66/80. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new CH48109-1 filter and serviced with 11 qts Aeroshell 15W50 oil. Cleaned, gapped, and tested spark plugs. Checked mag to engine timing. Ran engine, leak checks and op checks ok. END.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 10-22-04

Pertinent details of the repairs are on file at this repair station under Shop Order # 2793

Dated: October 22, 2004

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR282S

February 23, 2005 2204.78 hours tach, 578.48 hours engine TSN. Differential compression check shows cylinder #1) 70/80, #2) 60/80, #3) 71/80, #4) 74/80, #5) 72/80 and #6) 70/80. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new CH48109-1 filter and serviced with 11 qts Aeroshell 15W50 oil. Cleaned, gapped, tested and rotated spark plugs. Checked mag to engine timing. Ran engine, leak checks and op checks ok. END.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 2-23-05

Pertinent details of the repairs are on file at this repair station under Shop Order # 2832

Dated: February 23, 2005

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR282S

ENGINE SERVICE AND MAINTENANCE RECORD

INSPECTIONS, REPAIRS, OVERHAULS, MAINTENANCE, TROUBLE SHOOTING, MAINTENANCE AND SERVICE RECORDS

April 26, 2005 2260.86 hours tach. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new C104E109-1 filter and serviced with 11 qts Amsoil 15W50 oil. Ran engine, leak checks ok. END

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 8-3-05

Pertinent details of the repairs are on file at this repair station under

Shop Order # 2895

Dated: April 26, 2005

Inspected by

For MID-OHIO AVIATION, INC. CRS# AVCR2825

August 3, 2005 2260.86 hours tach. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new C104E109-1 filter and serviced with 11 qts Amsoil 15W50 oil. Ran engine, leak checks ok. END

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 8-3-05

Pertinent details of the repairs are on file at this repair station under

Shop Order # 2895

Dated: August 3, 2005

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR2825

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.

1-31-2006 2291.06 Tach. 664.76 Hours engine TSN. Differential compression check shows #1 74/80, #2 30/80, #3 66/80, #4 67/80, #5 70/80, and #6 64/80. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new CH 48109-1 filter and serviced with 11 qts Aeroshell 15W50 oil. Cleaned, gapped, tested and rotated spark plugs. Checked mag to engine timing. #2 cylinder replaced with new Teledyne Continental kit part number 655469A8 due to low compression, also new piston pin part number 630046, and reconditioned rocker arms part numbers 652131 intake & 65130 exhaust. All gaskets and seals are new. Ran engine, leak checks and op checks ok. After cylinder replacement compression checked at 75/80 for #2 cylinder.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

Pertinent details of the repairs are on file at this repair station under
Shop Order # 2967

Dated: 1-31-2006

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR282S

May 3, 2006 2322.22 Tach. 695.8 Total time since new. Performed compression check #1 70/80, #2 75/80, #3 71/80, #4 72/80, #5 70/80, #6 73/80. Cleaned, gapped, tested and rotated spark plugs. Drained engine oil. Removed, opened and checked oil filter. No contamination noted. Installed new CH48109-1 filter and serviced with 11 qts Aeroshell 15W50 oil. Ran engine, leak checks ok. I certify that this engine has been inspected in accordance with an annual inspection and determined to be in airworthy condition. END.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

See above dated 5-3-06

Pertinent details of the repairs are on file at this repair station under
Shop Order # 2998

Dated May 3, 2006

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR282S

07-31-06 2358.4Tach Drained oil cut open old filter- no metal contamination found. Installed new filter (ch48109-1) and serviced with 11 qts. Aeroshell 15w50. Ran engine- no leaks.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

N81hb

Pertinent details of the repairs are on file at this repair station under
Shop Order # 3031

Dated 07-31-06

Inspected by

For MID-OHIO AVIATION, INC. CRS# MOGR282S

ENGINE ENTRIES - N81HB
4/25/08, 2543.44 Tach Time

- C/W annual inspection
- Performed compression check #1 52/80, #2 58/80, #3 54/80, #4 52/80, #5 58/80 and #6 58/80
- Cleaned and gapped plugs
- Drained oil and serviced with 11 quarts Aeroshell 15W50
- Replaced oil filter, cut open and inspected for debris and installed CH48109-1
- L/H exhaust crack repaired by Dawley Aviation and exhaust retested. Serviceable tag attached. WO# 96205.
- Added gasket shim to engine oil cap
- Tightened #4 rocker cover due to minor oil seep
- Performed engine runs, no leaks noted.
- I certify that this engine has been inspected I/A/W an Annual Inspection and determined to be in an airworthy condition.

SERVICEABLE

Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name Ch. Carlos Lopez

Work Order No. 96205

Date 4-23-8

Inspected by A. J. [Signature]

Dawley Aviation

140 Industrial Dr.
Burlington, WI 53105

1-800-338-5420

FAA CRS No. NJ5R069N

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 →														
THURSDAY JUNE 5, 2008														
TACH TIME 2563.29														
ENGINE HOT COMPRESSION CHECK NEEDS PERFORMED														
# 1 68/80 # 2 72/80 # 3 61/80 # 4 62/80														
# 5 62/80 # 6 58/80														
SIGNED A&P <u>[Signature]</u> 3325716 DATE: <u>5 June 08</u>														
THEODORE SWEEDER														
8/12/08 Tach 2596 Changed oil Phillips 20/50WT Replaced Filter CH48109 ✓ Check old filter for metal OK. Leak Test OK S. Sanchez A303920														
11-18-08 Tachometer 2643 Changed oil - Phillips 20/50WT plus one pint (12 oz.) Avblend + CH48109 Filter Leak Test - OK by owner: S. Sanchez														
<table border="1"> <tr> <td>Date: May 15, 2009</td> <td>Tach Time: 2712</td> <td>TSMOH: 1087.6</td> </tr> <tr> <td>Reg. No: N81HB</td> <td>Ser. No: E-1902</td> <td>Eng. Model No: IO 550</td> </tr> <tr> <td colspan="3">Eng. Ser. No: 684850</td> </tr> </table>						Date: May 15, 2009	Tach Time: 2712	TSMOH: 1087.6	Reg. No: N81HB	Ser. No: E-1902	Eng. Model No: IO 550	Eng. Ser. No: 684850		
Date: May 15, 2009	Tach Time: 2712	TSMOH: 1087.6												
Reg. No: N81HB	Ser. No: E-1902	Eng. Model No: IO 550												
Eng. Ser. No: 684850														
ENGINE ANNUAL LOG BOOK ENTRY														
General Lube & Inspection. Compression Test 68, 74, 62, 64, 30, 70/80. Cylinder 3 remove, grind exhaust valve and exhaust valve seat, lap valves and reinstall. Cylinder 5 remove, replace exhaust valve and guide, grind exhaust valve seat, lap valves and reinstall Compressions 73/80 and 75/80 after repair. Check Exhaust System, Engine Controls, and Fuel and Oil Hoses. Replaced Engine Oil with Phillips 20/ 50WAD and Filter with CH48109. Set Ignition Timing to 22° BTDC. Clean and gap spark plugs Dress propeller. Set fuel flow IAW SID 97-3. Reset gear warning horn to 14" MP. Check alternator bearing OK. CW AD 2007-08-04 par. H3 McCauley Prop due again @ 2812. Superior AD 2007-04-19 R1 NA parts.														
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY ON THIS DATE.														
Signed: <u>[Signature]</u> License: <u>IA 2183908</u> Date: May 15, 2009														

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					
9/4/09	Tach	2762			Changed oil - Phillips 20/50 wt plus one pint (12oz) Aubleud - CH4810/ Filter Leak test OK - by owner <i>[Signature]</i>
3/31/10	Tach	2812			Changed oil - Phillips 20/50WT plus one pint (12oz) Aubleud - CH4810/ Filter Leak test OK, cut + check filter OK by owner - <i>[Signature]</i>

Date: May 11, 2010	Tach Time: 2844	TSMOH: 1219
Reg. No: N81HB	Ser. No: E-1902	Eng. Model No :IO 550
Eng. Ser. No: 684850		

ENGINE ANNUAL LOG BOOK ENTRY

General Lube & Inspection. Compression Check OK.. Check Exhaust System, Engine Controls, and Fuel and Oil Hoses. Check Ignition Timing. Clean, gap and rotate spark plugs Dress propeller. Weld crack in RH exhaust manifold.

CW AD 2007-08-04 par. H3 McCauley Prop due again @ 2944

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY ON THIS DATE.

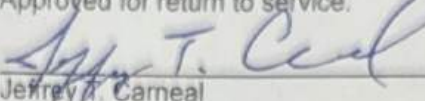
Signed: *[Signature]* License: IA 2183908 Date: May 11, 2010

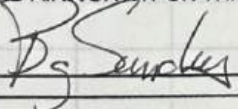
Date: 7/1/2010 Tach: 2867.4

Drained and serviced oil with 10 quarts of Phillips XC Aviation Oil 20W-50 and 1 ASL Camguard. Removed and replaced oil filter with Champion Oil Filter CH48109-1. Inspected oil filter and found free of contamination and metal. Forwarded oil sample to Aviation Laboratories for testing. Ground run-up performed and no leaks found. Approved for return to service.

[Signature]
Jeffrey T. Carneal

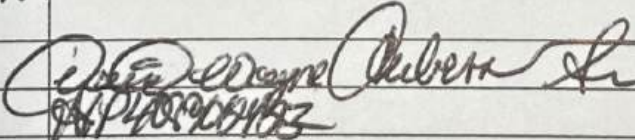
Commercial Pilot Certificate: 3261584

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: <u>11/20/2010</u> Tach: <u>2905.9</u>
					Drained and serviced oil with 10 quarts of Phillips XC Aviation Oil 20W-50 and 1 ASL Camguard. Removed and replaced oil filter with Champion Oil Filter CH48109-1. Inspected oil filter and found free of contamination and metal. Forwarded oil sample to Aviation Laboratories for testing. Ground run-up performed and no leaks found. Approved for return to service.
					 Jeffrey A. Carneal
					Commercial Pilot Certificate: 3261584

Date: May 10, 2011	Tach Time: 2937	TSMOH: 1312
Reg. No: N81HB	Ser. No: E-1902	Eng. Model No: IO 550
Eng. Ser. No: 684850		
ENGINE ANNUAL LOG BOOK ENTRY		
General Lube & Inspection. Compression Check OK.. Check Exhaust System, Engine Controls, and Fuel and Oil Hoses. Check Ignition Timing. Clean, gap and rotate spark plugs Dress propeller. Replace #4 push rod O-rings. Replace air filter element BA-7112. Adjust LH exhaust hanger. Tighten cowl flaps hinges.		
CW AD 2007-08-04 par. H3 McCauley Prop due again @ 3037		
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY ON THIS DATE.		
Signed: 	License: IA 2183908	Date: May 10, 2011

1-24-12
TACH
2998.49

REMOVED Engine FROM Aircraft N81HB
FOR OVERHAUL


D. S. Searles

**TELEDYNE
CONTINENTAL MOTORS**

An Allegheny Teledyne Company
P.O. Box 90 Mobile AL 36601 • 334-438-3411

Member Of GAMA
General Aviation Manufacturing Association

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