

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	

CONTINENTAL IO-550-D24B S/N 1012431 FACTORY REBUILT ENGINE. DISASSEMBLE ENGINE, COMPLETE INSPECTION PER CMI MANUAL # X30607. REMOVE CYLINDERS, PORT FLOW & BALANCE, REINSTALL CYLINDERS WITH THE FOLLOWING PARTS INSTALLED: 1EA 656658-4 CRANKCASE ID# R16CA486, 1EA 641250 SEAL, 4EA 655269 MAG CUSHION, 1EA 539518 BRACKET, 6EA 24764 SCREW, 1EA 654554 GASKET, 1EA CH48108-1 OIL FILTER, 1EA MS35769-11 GASKET, 1EA 632762 NUT, 1EA X1473 GASKET, 1EA 646548A1 GASKET SET, 1EA 646591A3 MAIN BEARING SET, 12EA 630826 BEARINGS. PORT FLOW & BALANCE CYLINDERS TEST RUN 1.7 HOURS. REFERENCE WO 48921.


PAGE 1 OF 1

LY-CON REBUILDING CO. 8231 W DOE AVE VISALIA CA 93291 (559) 651-1070

THIS AIRCRAFT ENGINE IDENTIFIED ABOVE HAS BEEN REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION ADMINISTRATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT

DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER 48921 DATE 8/17/16

SIGNED


LY-CON REBUILDING CO VISALIA CA
REPAIR STATION CT3R435L



AIR PLAINS SERVICES

N1876M

WO: 031976

09/27/2016

CRS: MNYR085K

Engine Log, SFREM 0.0, Hobbs: 2244.5—Tach: 0.0

Installed Continental IO-550-D Engine, 0.0 TOTAL TIME SFREM in Cessna 182 N1876M, SN: 18264463 Installed McCauley 3 blade D3A34C401/900FA-8 propeller in accordance with STC SA00727W1. Modifications performed in accordance with AIR PLAINS SERVICES, CORP. STC SA00152W1. Engine serviced with Phillips 20W50 Type M oil.

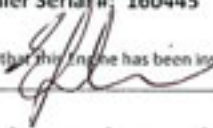
Engine Serial #: 1012431

LH Mag Serial #: F15FA086R

Alternator Serial #: H-Q011549

RH Mag Serial #: F15EA109R

Propeller Serial #: 160445



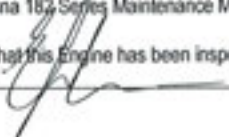
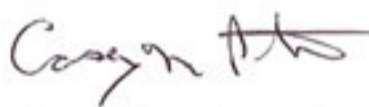
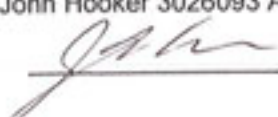
I certify that this engine has been inspected in accordance with current regulations and is approved for return to service
Signed  Inspector CRS MNYR085K

N1876M 10/26/2016 tach 25.0

Changed oil and filter serviced with 10 qt. AS 15 W 50 and CH48109-1 oil filter. Cut filter no metal found. Run and leak checked.

John Hooker 3026093 A&P



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	
Ce	N# 1876M	Date 2/3/2017	Tach/ Hobbs 36.5	SMOH	ETT 36.5
	Completed 100 hour inspection for annual this date. Cleaned, gaped and tested plugs. Checked compressions 1. <u>75/80</u> 2. <u>75/80</u> 3. <u>75/80</u> 4. <u>75/80</u> 5. <u>75/80</u> 6. <u>75/80</u> . Changed oil and filter CH48109-1 serviced with <u>11</u> qt. of AS 15 W50 oil. Replaced oil drain valve with new Saf-Air F62 drain valve.				
	CW the following AD's.		AD's checked thru. <u>2017-02</u>		
	No engine AD's due at this time.				
	I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.				
	John Hooker 3026093 IA				
		AIR PLAINS SERVICES CRS: MNYR085K	N1876M	WO: 032053	2/7/2017
	Engine Log, Tach: <u>38.7</u>				
	Adjusted and set the magneto timing to 22°BTC. Removed, cleaned, and reinstalled the fuel injector nozzles. Set the low and high fuel pump pressures. Set Idle, Idle Mixture, and checked control rigging. Performed ground maintenance runs and test flew for operation and leak checks (All checks good). All work performed IAW the M-O Maintenance Manual and the Cessna 182 Series Maintenance Manuals.				
	I certify that this engine has been inspected in accordance with current regulations and is approved for return to service				
	Signed 				Inspector CRS MNYR085K
	N# <u>1876M</u> Date <u>5/23/17</u> Tach <u>67.4</u>				
	Changed oil and filter, service with <u>11qt AS15W50</u> oil and <u>CH48109-1</u> filter. Run and leak checked.				
	 ATP 3869565				
	N# <u>1876M</u> Date <u>8/22/17</u> Tach/ Hobbs <u>100.9</u>				
	Changed oil and filter, serviced with <u>AS15W50</u> oil and <u>CH48109-1</u> filter. Run and leak checked.				
	John Hooker 3026093 A&P				

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		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 →

N 1876M tach 100.9 Date 8/22/2017

Dynamically balanced propeller system. Final balance vibration .10 IPS Weight added @ 186 degrees

Jonathan Hammer 3799455 A&P



N# 1876M Date 11/27/17 Tach/Hobbs 131.5

Changed oil and filter, serviced with AS15W50 oil and CH48109-1 filter. Run and leak checked.

1 pint of Cam Guard added.
John Hooker 3026093 A&P



N# 1876M Date 2/14/2018 Tach/ Hobbs 142.0 SMOH _____ ETT 142.0

Completed 100 hour inspection for annual this date. Cleaned, gaped and tested plugs. Checked compressions 1. 74/80 2. 74/80 3. 75/80 4. 74/80 5. 75/80 6. 75/80. Changed oil and Filter CH48109-1 serviced with 11 qt. of Phillips XC 20 W 50 oil.

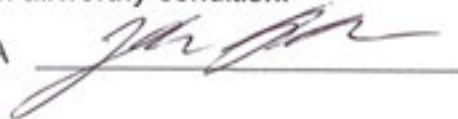
Added 1 pint of camguard and replaced all 12 spark plug gaskets.

CW the following AD's.
No engine AD's due at this time.

AD's checked thru. 2018-03

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

John Hooker 3026093 IA



Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		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 →

N# 1876M tach 100.9 Date 8/22/2017

Dynamically balanced propeller system. Final balance vibration .10 IPS Weight added @ 186 degrees

Jonathan Hammer 3799455 A&P



N# 1876M Date 11/27/17 Tach/Hobbs 131.5

Changed oil and filter, serviced with AS15W50 oil and CH48109-1 filter. Run and leak checked.

1 pint of Cam Guard added.
John Hooker 3026093 A&P



N# 1876M Date 2/14/2018 Tach/ Hobbs 142.0 SMOH _____ ETT 142.0

Completed 100 hour inspection for annual this date. Cleaned, gaped and tested plugs. Checked compressions 1. 74/80 2. 74/80 3. 75/80 4. 74/80 5. 75/80 6. 75/80. Changed oil and Filter CH48109-1 serviced with 11 qt. of Phillips XC 20 W 50 oil.

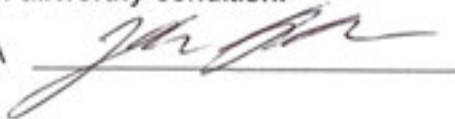
Added 1 pint of camguard and replaced all 12 spark plug gaskets.



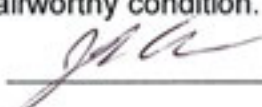
CW the following AD's.
No engine AD's due at this time.

AD's checked thru. 2018-03

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

John Hooker 3026093 IA



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 →					
N1876M 5/6/2018 tach 170.0 Changed oil and filter, serviced with 11 qt. Phillips XC 20 W 50, 1 bottle camguard and CH48109-1 oil filter. Run and leak check. John Hooker 3026093 A&P 					
N1876M 8/8/2018 tach 198.2 Changed oil and filter, serviced with 11 qt. Phillips XC 20 W 50, 1 bottle camguard and CH48109-1 oil filter. Run and leak check. John Hooker 3026093 A&P 					
N# <u>1876M</u> Date <u>2/22/2019</u> Tach/ Hobbs <u>230.7</u> SMOH _____ ETT <u>230.7</u> Completed 100 hour inspection for annual this date. Cleaned, gaped and tested plugs. Checked compressions 1. <u>74</u> /80 2. <u>74</u> /80 3. <u>74</u> /80 4. <u>74</u> /80 5. <u>74</u> /80 6. <u>74</u> /80. Changed oil and <u>Filter CH48109-1</u> serviced with <u>11</u> qt. of <u>Phillips XC 20 W 50</u> oil. Added 1 pint of camguard. CW the following AD's. AD's checked thru. <u>2019-04</u> No engine AD's due at this time. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. John Hooker 3026093 IA 					

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 →

N1876M 12/3/2019 tach. 260.3

Changed oil and filter, serviced with 11qt Phillips XC 20 W 50 oil and CH48109-1 filter and 1 pint camguard. Run engine and leak checked.

John Hooker 3026093 A&P



N# 1876M Date 3/5/2020 Tach/ Hobbs 274.2 SMOH _____ ETT 274.2

Completed 100 hour inspection for annual this date. The following work was performed by owner Casey Prichard. Cleaned, gaped and tested plugs. Assisted with compressions 1.74 /80 2.74 /80 3.74 /80 4.74 /80 5.74 /80 6.74 /80. Changed oil and Filter CH48109-1 serviced with 11 qt. of Phillips XC 20 W 50 oil. 1 pint of camguard add to oil.

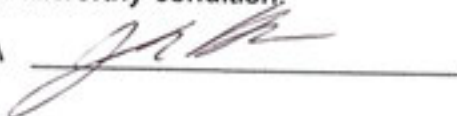
CW the following AD's.

AD's checked thru. 2020-05

No engine AD's at this time.

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

John Hooker 3026093 IA



Gemco Aviation Services Inc.

10800 Sharrott Rd
North Lima, OH 44452
330-549-0337

N1876M	Make: Continental Motors	Model: IO 550 D24B	S/N: 1012431
Date: 09/22/2020	Tach: 306.9		

Drained engine oil and removed oil filter. Cut filter and inspected with all findings normal. Installed new Champion CH48108-1 and serviced with 10 Quarts Aeroshell 100W plus. Test run engine and leak checked with no leaks noted.



Robert L. Grant A&P3719335IA

Gemco Aviation Services Inc.

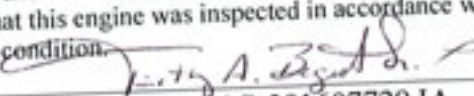
10800 Sharrott Rd
North Lima, OH 44452
330-549-0337

Record

Reg#: N1876M Date: 04/09/2021	Make: Cessna Meter: 334.5	Model: 182P ATT: 2597.0	Serial: 18264463 ETT: 334.4
----------------------------------	------------------------------	----------------------------	--------------------------------

normal and Directives,

Performed an annual inspection using the Cessna inspection form as a guide. Changed oil and filter and took an oil sample. Serviced with Aeroshell 100W plus and champion CH48109-1. Compressions as follows: 78/80 77/80 78/80 78/80 78/80 77/80. Retimed left magneto, body of magneto was hitting engine case. Cleaned gapped and rotated plugs. Inspected heater for integrity, fabricated new right upper heat shield for engine mount. Test run and leak checked satisfactory.
I certify that this engine was inspected in accordance with an Annual inspection and was determined to be in airworthy condition.


Timothy A. Begeot Sr. A&P 291607729 IA

Gemco Aviation Services Inc.

10800 Sharrott Rd
North Lima, OH 44452
330-549-0337

N1876M Date: 01/07/2022	Make: Continental Motors Tach: 344.4	Model: IO 550 D24B ETT: 344.4	S/N: 1012431
----------------------------	-----------------------------------------	----------------------------------	--------------

Drained engine oil and removed oil filter. Cut filter and inspected with all findings normal. Installed new Champion CH48109-1 and serviced with 10 Quarts Aeroshell 15W50. Test run engine and leak checked with no leaks noted.


Christopher T. Kotch A&P173580771



Repair Station #: W6NR985J

April 08, 2022

Manufacturer: Continental Aerospace Technologies	TSN/ISD: 14910 / N/A	CSN/CSO: N/A / N/A
Part/Model number: IO 550-D24B	Serial Number: 1012431	
Work Order No: PST9013	Date: 04/08/2022	

Squawk

- 1.1 CW 50 HR, 100 HR AND ANNUAL INSPECTIONS USING INSPECTION FORM OUTLINED IN SECTION 2 OF CESSNA 182P MM AS A GUIDELINE. CW COMPRESSION CHECK WITH SATISFACTORY RESULTS AS FOLLOWS: #1 - 74/80 #2 - 76/80 #3 - 76/80 #4 - 78/80 #5 - 75/80 #6 - 74/80
- 1.2 REMOVED EXISTING INDUCTION AIR FILTER AND INSTALLED NEW P/N BARR05-1 IAW CESSNA MODEL 182 SERIES (1966-1976) SERVICE MANUAL PAGE 11-19. NO DEFECTS FOUND
- 1.3 DRAINED ENGINE OIL, REMOVED FILTER, CUT OPEN AND INSPECTED, INSTALLED A NEW FILTER P/N CH48109-1 AND SERVICED WITH 10 QTS AEROSHELL 15W50. ALL WORK ACCOMPLISHED IAW CESSNA 182P MM SECTION 2.
- 1.4 COMPLIED WITH DYNAMIC PROP BALANCE IAW CHADWICK HELLMUTH 192 A SPECTRUM ANALYZER INSTRUCTIONS. BALANCED TO 0.01PS
- 1.5 REMOVED EXISTING STARTER ADAPTER, FOUND SPRING INSIDE ADAPTER TO BE BROKEN, INSTALLED OVERHAULED STARTER ADAPTER P/N 641259A18 S/N 221030

All Work Performed IAW Cessna 182P Appropriate Data

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Particulate details of these repairs are on file at the repair station under Work Order Number PST9013.


Signature

For Winner Aviation Repair Station #W6NR985J

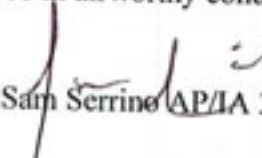
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	

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

N1876M	Make: Continental	Model: IO-550D	Serial: 1012431
Date: 04/28/2023	TT 416	TSO: 416	

Complied with engine annual IAW FAR 43 AppD and Cessna MM. Drained oil and serviced with 12 quarts of aeroshell 15/50. Installed new tempest oil filter. Checked oil screen cleaned and reinstalled. Inspect fuel screen and reinstalled. Performed run up, leak check all operations check. Cylinder compression where #1 76/80 #2 73/80 #3 78/80 #4 78/80 #5 72/80 #6 77/80. Removed sparks cleaned and checked gab, checked timing found in specification. Replaced oil quick drain with SAF-AIR. Repaired heat shield on motor mount

I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

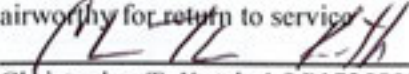

 Sam Serrino AP/IA 3500783

Gemco Aviation Services Inc.
 10800 Sharrott Rd
 North Lima, OH 44452
 330-549-0337

N1876M	Make: Continental Motors	Model: IO 550 D24B	S/N: 1012431
Date: 03/16/2024	Tach: 423.7	ETT: 423.7	

Trouble shoot propeller would not turn with starter engaged and found starter adapter spring broken. Removed cowling, removed starter and disconnected engine to gain access to starter drive. Removed started adapter P/N 643259A18, S/N 221030, cleaned mating surface and installed overhauled starter adapter P.N 643259A18, S/N CAM23-358, see Canadian Aero Mfg. Transport Canada tracking form QI-31 tracking # / W/O #, 23-358, dated 12/13/2023 for details using new supplied gasket per Continental Aerospace overhaul manual X360607, 72-60-06. Reinstalled engine using new mounting bolts P/N AN7-33A (4) and lock tab washers P/N 0851559-1, torqued mounts, installed same starter with new "O" ring and secured all fluid and electrical connection. Test run engine with no leaks or defects noted. Reinstalled cowling and performed a taxi light operational test, with no defects noted.

The aircraft components identified above was repaired and inspected and was found to be airworthy for return to service.


 Christopher T. Kotch A&P173580771

