

ENGINE LOG BOOK



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Service Information

Consult the Continental Motors web site at 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: 10/24/2016






Test Date: 10/24/2016

This engine model I0550D24B, serial number 1033119 was rebuilt by Continental Motors Inc, in accordance with approved design data and the applicable requirements of 14 CFR, Part 21 and 43 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.


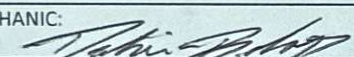
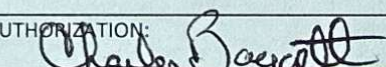
Thomas Howard


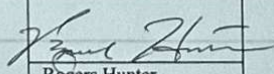
CONTINENTAL MOTORS, INC.


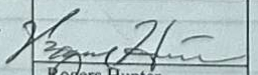
Form 6012-04 (Rev Sept 2014)

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, Special Inspections, Modifications and Service Bulletins																											
					 AIR PLAINS SERVICES N5412N WO: 032039 03/10/2017 CRS: MNYR085K Engine Log Engine TT: 0.0, A/C TT: 2340.1 Installed Continental IO-550-D Engine, 0.0 TOTAL TIME SINCE NEW into Cessna 182 N5412N, SN: 18267763 in accordance with AIR PLAINS SERVICES, CORP. STC SA00152WI. Engine serviced with Phillips 20W50 ND oil. Engine Serial #: 1033119 LH Mag Serial #: F11A053R Alternator Serial #: H- Q101542 RH Mag Serial #: F16IA105R Propeller Serial #: 160773 I certify that this Engine has been inspected in accordance with current regulations and is approved for return to service Signed <i>[Signature]</i> Inspector CRS MNYR085K																											
					 AIR PLAINS SERVICES N5412N WO: 032040 03/10/2017 CRS: MNYR085K Engine Log Engine TT: 0.0, A/C TT: 2340.1 Serviced and inspected the engine in accordance with an ANNUAL inspection per FAR 43 App D. Performed AD list search on engine and listed all applicable AD's for compliance. Aircraft and Engine ground run and operational checked per the CMI MM, and STC SA00521WI. I certify that this Engine has been inspected IAW an ANNUAL inspection and was determined to be in airworthy condition. *Signed <i>[Signature]</i> Certificate#: MNYR085K *WO#: 032040 TT: 2340.1 Date: March 10, 2017 I certify that this Engine has been inspected in accordance with current regulations and is approved for return to service Signed <i>[Signature]</i> Inspector CRS MNYR085K																											
					<table border="1"> <tr> <td rowspan="4"></td> <td>Specialized Aero LLC. 2285 Airport Drive San Marcos, Texas 78666 Phone: 512-392-4534 Fax: 512-392-4514 FAA Repair Station No. 7SLR322B</td> <td>Reg. No.</td> <td>N5412N</td> <td>Tach Time</td> <td>17.2</td> </tr> <tr> <td></td> <td>Make</td> <td>Beech</td> <td>Model</td> <td></td> </tr> <tr> <td></td> <td>Eng. S/N</td> <td>1033119</td> <td>Nationality</td> <td>USA</td> </tr> <tr> <td colspan="5" style="text-align: center;">Engine Log</td> </tr> <tr> <td></td> <td></td> <td>W.O No.</td> <td>173530</td> <td></td> <td></td> </tr> </table> <p>Removed this engine for transport back to Continental Motors for evaluation.</p> <p>I Certify this task has been performed in accordance with current regulations of the FAA for work performed. Pertinent details of this action are on file at this repair station under Work Order No. 173530.</p> <p style="text-align: right;"><i>[Signature]</i> Rogers Hunter CSR 7SLR322B 6/12/2017</p>		Specialized Aero LLC. 2285 Airport Drive San Marcos, Texas 78666 Phone: 512-392-4534 Fax: 512-392-4514 FAA Repair Station No. 7SLR322B	Reg. No.	N5412N	Tach Time	17.2		Make	Beech	Model			Eng. S/N	1033119	Nationality	USA	Engine Log							W.O No.	173530		
	Specialized Aero LLC. 2285 Airport Drive San Marcos, Texas 78666 Phone: 512-392-4534 Fax: 512-392-4514 FAA Repair Station No. 7SLR322B	Reg. No.	N5412N	Tach Time	17.2																											
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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, Special Inspections, Modifications and Service Bulletins					
Carried forward →					

DATE: August 24, 2017	ENGINE MODEL: IO550D24B	ENGINE S/N: 1033119	ENGINE T.T. 17.2	
 Continental Motor Services, Inc. Fairhope, Alabama				
<p>This engine was delivered to Continental Motors Services, Inc. for inspection due to a propeller strike. Engine disassembled, cleaned and inspected in accordance with overhaul/maintenance manuals X30605 and X30607 Revision October 2013 and CMI Procedures Manual M-0 Revision Dated July 2017. The following serialized items were installed: R/H Magneto SN F16HA314R, L/H Magneto SN F16LA271R, Metering unit SN A17GA158R, Fuel Pump SN B17GA111R and Manifold Valve SN C17HA078R. Cylinders were disassembled, cleaned, and repaired as required for serviceable condition. Engine assembled using new seals, gaskets and "O" rings. New connecting rod bolts, nuts and bearings and crankshaft bolts and bearings installed. Applicable Service Bulletins and Airworthiness Directives have been complied with.</p> <p>This engine has been assembled and tested in accordance with procedures listed in overhaul/maintenance manuals X30605 and X30607 Revision October 2013 and CMI procedures manual M-0 Revision July 2017 and has been accepted. I certify that this engine has been inspected and repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility. Work Order ES-7816</p> <p>Complied with: M87-23, M93-4, M93-8, MSB94-8D, MSB96-10B, SB07-1, SB17-01, SB653, SB658, SB97-11, SID96-6.</p>				
MECHANIC: 		9CER853B	AUTHORIZATION: 	9CER853B

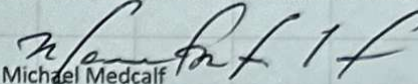
 Specialized Aero LLC 2285 Airport Drive San Marcos, Texas 78666 Phone: 512-392-4534 Fax: 512-392-4514 FAA Repair Station No. 7SLR322B	Reg. No.	N5412N	Tach Time	17.2
	Make	Continental	Model	IO-550-D
	Eng. S/N	1033119	Nationality	USA
	Engine Log			
	W.O No.	173530		
Reinstalled this engine in Cessna 182R N5412N and rigged controls in accordance with Cessna 182R Series Service Manual and Air Plains installation information. Serviced engine with 11 qts Aeroshell 100 straight mineral oil and installed new CH48110-1 oil filter. Engine run good. Adjusted idle speed to 600 rpm and adjusted propeller governor to 2700 rpm maximum as per same.				
This task has been performed in accordance with current regulations of the FAA and aircraft has been approved for return to service for work the performed. Pertinent details of this action are on file at this repair station under Work Order No. 173530.			 Rogers Hunter CSR 7SLR322B	10/20/2017

 Specialized Aero LLC 2285 Airport Drive San Marcos, Texas 78666 Phone: 512-392-4534 Fax: 512-392-4514 FAA Repair Station No. 7SLR322B	Reg. No.	N5412N	Tach Time	20.4 19.7
	Make	Cessna	Model	182R
	Eng. S/N	1033119	Nationality	USA
	Engine Log			
	W.O No.	174063		
Work Performed: Drained oil and refilled 12 qts Aeroshell 100 straight mineral oil and installed new oil filter CH48109-1. Cut open old filter and checked element- no indications of abnormal wear noted. Run up and leak check good.				
This task has been performed in accordance with current regulations of the FAA and aircraft has been approved for return to service for work performed. Pertinent details of this action are on file at this repair station under Work Order No. 174063.			 Rogers Hunter CSR 7SLR322B	10/23/2017

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Gafford Aero, Inc. 1833 Airport Dr., San Marcos, TX 78666 (512) 396-3323 gaffordaero@austin.rr.com					
ENGINE Log Date: 11/7/2017 N: 5412N Tach: 26.2					

Carried forward →


Installed missing stud and pin for the induction air box attachment (cowl to the air box).
 Installed new cabin heat duct and alternate air heat duct. Plumbed in new manifold and fuel pump drain lines. Routed and secured with the breather tube.


 Michael Medcalf
 A&P 2764389

GAFFORD AERO, INC
 1833 AIRPORT DRIVE, P.O.BOX 1354. SAN MARCOS, TEXAS 78667
 Phone 512 396-3323, Fax 512 396-3329. e-mail gaffordaero@austin.rr.com

ENGINE Log Date: 3/7/2018 N: 5412N Tach: 36.7

Changed oil and filter, Aeroshell 100 mineral oil. Took Blackstone sample for analysis. Inspected filter, no metal noted. Ran engine and leak checked, no leaks noted.

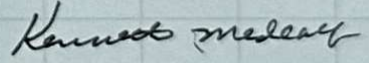

 Michael Medcalf
 A&P 2764389

Gafford Aero, Inc.
 1833 Airport Dr., San Marcos, TX 78666
 (512) 396-3323 gaffordaero@austin.rr.com

ENGINE Log Date: 3/22/2018 N: 5412N Tach: 39.0 TT: 39.0

Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Removed plugs, checked compressions, induction, and exhaust systems. Adjusted the magneto timing. Cleaned, gapped, rotated and tested the plugs. No oil change at this time. Inspected all controls, hoses, and wiring. Adjusted the idle and idle mixture settings. Inspected and cleaned the fuel screen. Ran engine and leak checked, no leaks noted.

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



 Kenneth Medcalf
 A&P 452760326 IA

Compressions: #1-76/80 #3-76/80 #5-76/80
 #2-74/80 #4-70/80 #6-76/80

GAFFORD AERO, INC
 1833 AIRPORT DRIVE, P.O.BOX 1354. SAN MARCOS, TEXAS 78667
 Phone 512 396-3323, Fax 512 396-3329. e-mail gaffordaero@austin.rr.com

ENGINE Log Date: 10/9/2018 N: 5412N Tach: 65.4

Changed oil and filter, Phillips 20W/50. Took Blackstone sample for analysis. Inspected filter, no metal noted. Ran engine and leak checked, no leaks noted.


 Michael Medcalf
 A&P 2764389

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
<p>Record maintenance actions including engine part removal and compliance with inspections, Airworthiness Directives, Service Bulletins</p> <p>GAFFORD AERO, INC 1833 AIRPORT DRIVE, P.O. BOX 1354. SAN MARCOS, TEXAS 78667 Phone 512 396-3323, Fax 512 396-3329. e-mail gaffordaero@austin.rr.com</p>					
Carried forward					
<p>ENGINE Log Date: 2/25/2019 N: 5412N Tach: 80.7 TT: 80.7</p> <p>Removed the 643259A18 starter adapter due to failure. Installed a rebuilt R643259A18 adapter purchased from Aviall, Inc. Installed with new 653749 mounting gasket. Re-installed starter with new A3578-038 oring, ran the engine, all systems normal. No leaks noted.</p> <p><i>Michael Medcalf</i> Michael Medcalf A&P 2764389</p>					
<p align="center">Gafford Aero, Inc. 1833 Airport Dr., San Marcos, TX 78666 (512) 396-3323 gaffordaero@austin.rr.com</p>					
<p>ENGINE Log Date: 4/1/2019 N: 5412N Tach: 86.2 TT: 86.2</p> <p>Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Removed plugs, checked compressions, induction, and exhaust systems. Adjusted the magneto timing. Cleaned, gapped, rotated and tested the plugs. Changed the oil and filter, Phillips 20W/50. Inspected the filter, no metal noted, took Blackstone oil sample. Inspected all controls, hoses, and wiring. Adjusted the idle and idle mixture settings. Inspected and cleaned the fuel screen. Ran engine and leak checked, no leaks noted.</p> <p>I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.</p> <p align="right">Compressions: #1—72/80 #3—73/80 #5—72/80 #2—71/80 #4—67/80 #6—75/80</p> <p><i>Kenneth Medcalf</i> Kenneth Medcalf A&P 452760326 IA</p>					
<p align="center">GAFFORD AERO, INC 1833 AIRPORT DRIVE, P.O. BOX 1354. SAN MARCOS, TEXAS 78667 Phone 512 396-3323, Fax 512 396-3329. e-mail gaffordaero@austin.rr.com</p>					
<p>ENGINE Log Date: 9/20/2019 N: 5412N Tach: 105.2</p> <p>Installed new P10-6150 paper induction filter (AD 86-24-02), due each 500 hrs. Changed oil and filter, Phillips 20W/50. Took Blackstone sample for analysis. Inspected filter, no metal noted. Ran engine and leak checked, no leaks noted.</p> <p><i>Michael Medcalf</i> Michael Medcalf A&P 2764389</p>					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
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<p>Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>					
Carried forward					
<p align="center">GAFFORD AERO, INC 1833 AIRPORT DRIVE, P.O. BOX 1354. SAN MARCOS, TEXAS 78667 Phone 512 396-3323, Fax 512 396-3329. e-mail info@gaffordaero.com</p> <p>ENGINE Log Date: 11/5/2019 N: 5412N Tach: 129.6 TT: 129.6</p> <p>Removed six (6) Continental fuel nozzles P/N 627335D12E and installed General Aviation Modifications, Inc. GAMInjectors kit No. GAD12E, S/N 28532. Filed FAA 337. No change in weight or balance.</p> <p><i>Michael Medcalf</i> Michael Medcalf A&P 2764389</p>					
<p align="center">Gafford Aero, Inc. 1833 Airport Dr., San Marcos, TX 78666 (512) 396-3323 info@gaffordaero.com</p>					
<p>ENGINE Log Date: 5/7/2020 N: 5412N Tach: 148.3 TT: 148.3</p> <p>Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Removed plugs, checked compressions, induction, and exhaust systems. Adjusted the magneto timing. Cleaned, gapped, rotated and tested the plugs. Changed the oil and filter, Phillips 20W/50. Inspected the filter, no metal noted, took Blackstone oil sample. Inspected all controls, hoses, and wiring. Repaired broken baffle between oil cooler and cylinder #5. Inspected and cleaned the fuel screen. Ran engine and leak checked, no leaks noted.</p> <p>I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.</p> <p align="right">Compressions: #1—76/80 #3—76/80 #5—70/80 #2—71/80 #4—64/80 #6—74/80</p> <p><i>Kenneth Medcalf</i> Kenneth Medcalf A&P 452760326 IA</p>					
<p align="center">Gafford Aero, Inc. 1833 Airport Dr., San Marcos, TX 78666 (512) 396-3323 info@gaffordaero.com</p>					
<p>ENGINE Log Date: 5/28/2021 N: 5412N Tach: 186.0 TT: 186.0</p> <p>Performed an annual inspection IAW the scope and detail of FAR 43, Appendix D. Removed plugs, checked compressions, timing, induction, and exhaust systems. Cleaned, gapped, rotated and tested the plugs. Installed a new URHB32E spark plug top position, #6. Changed the oil and filter, Phillips 20W/50. Inspected the filter, no metal noted, took Blackstone oil sample. Inspected all controls, hoses, and wiring. Inspected and cleaned the fuel screen. Ran engine and leak checked, no leaks noted. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.</p> <p align="right">Compressions: #1—74/80 #3—64/80 #5—78/80 #2—69/80 #4—66/80 #6—70/80</p> <p><i>Kenneth Medcalf</i> Kenneth Medcalf A&P 452760326 IA</p>					

