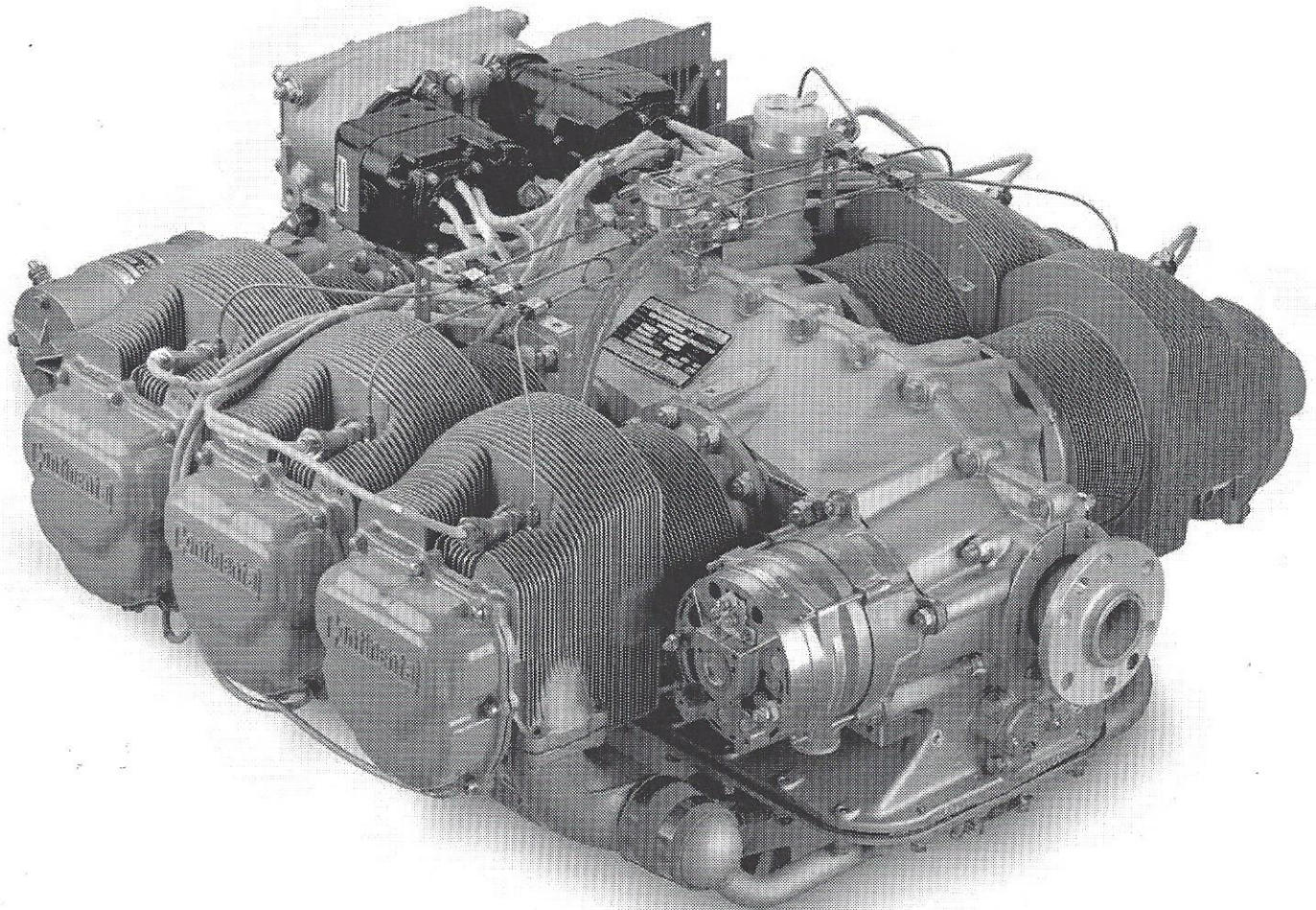


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

**Engine Return Department
2039 Broad Street
Mobile, AL 36615**

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



Teledyne Continental Motors, Inc.

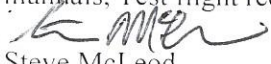
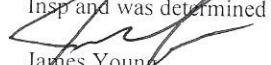

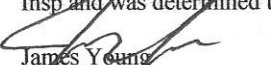
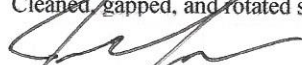
www.GenuineContinental.aero

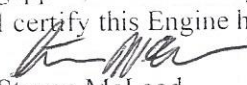
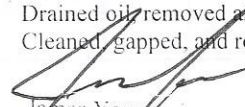
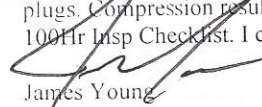
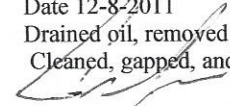
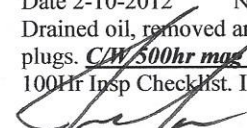
Production Certificate 508

Printed: 11/01/2010

Test Date: 10/29/2010

This engine model I0240B18B, serial number 1003396 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 Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Date 1-13-2011	N105TX	TACH 201.5	TOT 0.0	SMOH 0.0	
Installed model IO240B18B S/N 1003396 engine on Diamond DA20-C1 S/N C0303 Installed repaired engine mount arc tube P/N 22-7122-00-00 and new hardware, Installed 4 new engine isolator mounts and hardware, Replaced oil & fuel hoses, alt belt, air filter, intake and cabin heat scat hose, all vaccum & breather hose, throttle, mixture, carb heat and alternate air cables. Installed overhauled oil cooler, Installed alternator and vaccum pump, Installed exhaust, Installed prop, Installed new slick mags LH 4310 S/N 10110412, RH 4309 S/N 09060401. Serviced with Philips 20W50 X/C oil, Ground test and fuel system set up completed, no leaks at this Time, All of the above was done IAW Diamond & Continental maintenance manuals, Test flight required  Steve McLeod A&P3370601					
Date 3-4-2011	N105TX	TACH 252.4	TOT 50.9		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. Compression results: 1)70 2)70 3)72 4)70. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW an Annual Insp and was determined to be in an airworthy condition.  James Young 2669238IA					
Date 04-6-2011	N105TX	TACH 302.1	SMOH 100.9		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs.  Steven McLeod A&P 3370601					
Date 5-25-2011	N105TX	TACH 350.4	TOT 148.9		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. Compression results: 1)74 2)73 3)75 4)72. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.  James Young A&P 2669238					
Date 6-29-2011	N105TX	TACH 401.1	TOT 199.6		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs.  James Young A&P 2669238					

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 8-04-2011	N105TX	TACH 450.1	TOT 248.6		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. Compression results: 1)72 2)72 3)74 4)73. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.					
 Steven McLeod A&P 3370601					
Date 9-20-2011	N105TX	TACH 499.4	TOT 297.9		
Drained oil removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs.					
 James Young A&P 2669238					
Date 10-20-2011	N105TX	TACH 549.5	TOT 348.0		
Drained oil removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. Compression results: 1)76 2)76 3)79 4)74. Replaced six rocker box gaskets & vacuum pump drive garlock seal. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.					
 James Young A&P 2669238					
Date 12-8-2011	N105TX	TACH 596.8	TT 395.3		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs.					
 James Young A&P2669238					
Date 2-10-2012	N105TX	TACH 648.5	TT 447.0		
Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. <u>C/W 500hr mag insp</u> , replaced pions in both mags & rotor gear in lt mag. Compression results: 1)70 2)70 3)72 4)70. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW an Annual Insp and was determined to be in an airworthy condition.					
 James Young 26692381A					

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 4-18-2012 N105TX TACH 698.0 TOT 496.5
 Drained oil, removed and replaced oil filter P/N CH48108-1.
 Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs.

Steven McLeod
 Steven McLeod
 A&P 3370601

Date 5-29-2012 N105TX TACH 743.0 TOT 541.5
 Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. Replaced No 4 exhaust riser. Compression results: 1)70 2)72 3)72 4)70. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

Steven McLeod
 Steven McLeod
 A&P 3370601

Date 8-9-2012 N105TX TACH 790.7 TOT ~~2606.6~~ ^{589.3}
 Drained oil, removed and replaced oil filter P/N CH48108-1.
 Serviced engine with Phillips 20w-50. Cleaned, gapped, and rotated spark plugs. Replaced vacuum pump oil seal.

Steven McLeod
 Steven McLeod
 A&P 3370601

Date 10-2-2012 N105TX TACH 841.1 TT ~~559.6~~ ^{639.6} 44
 Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, tested and rotated spark plugs. Compression results: 1)71 2)74 3)74 4)74. Replaced rocker box gaskets & push rod tube seals on #1 cyl. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young
 James Young
 A&P 2669238

11-2-12 N105TX TACH 895.2 TT 593.7
 DRAINED O.I., REMOVED AND REPLACED O.I.
 FIATER SERVICED WITH PHILLIPS 20W50 XC
 ACFT. ENG. O.I. CLEANED & TESTED SPARK PLUGS
J. Young
 A&P 3629302

Date 11-27-2012 N105TX TACH 939.1 TT 637.6
 Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned, gapped, tested and rotated spark plugs. Compression results: 1)70 2)72 3)72 4)73. C/W Diamond 100Hr Insp Checklist. I certify this Engine has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young
 James Young
 A&P 2669238

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: N105TX Texas State Technical College Date: 10/10/2013
 Model: CONT MOTOR IO-240 B188 3801 Campus Drive TTA: 3148.3
 SN: 1003396 Waco, TX 76705 Tach: 1338.4
 TTE: 1136.9 TSMOH: 0.0 **Maintenance Record (Engine)** Hobbs: 4086.7

Performed a 100 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual not on file and Part 43 Appendix D.

Drained oil, removed and replaced oil filter P/N CH48108-1. Serviced engine with Phillips 20w-50. Cleaned gapped tested and rotated spark plugs. Removed and repaired exhaust shroud. C/W 500 hr mag inspection...replaced points on left mag, replaced right mag with P/N 4309 S/N 12020515. Next due at 3648 TT. Removed and repaired exhaust shroud. C/W Diamond Aircraft 1000 hour inspection. Compressions (#1) 71/80; (#2) 76/80; (#3) 75/80; (#4) 76/80

I certify that this Engine has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition

Dixon, Eric
3617290 A&P

Eric Dixon

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Reg: N105TX Texas State Technical College Date: 12/18/2013
 Model: CONT MOTOR IO-240 B188 3801 Campus Drive TTA: 3200.7
 SN: 1003396 Waco, TX 76705 Tach: 1390.8
 TTE: 1189.3 TSMOH: **Maintenance Record (Engine)** Hobbs: 4152.9

Performed a 50 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual not on file and Part 43 Appendix D. Drain oil, removed and replaced filter p/n CH48108-1. Serviced engine with Phillips 20w-50 and lycoming additive. Cleaned, gapped, tested, and rotated spark plugs.

I certify that this Engine has been inspected in accordance with a 50 HOUR inspection and has been determined to be in airworthy condition

Dixon, Eric
3617290 A&P

Eric Dixon

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Reg: N105TX Texas State Technical College Date: 1/31/2014
 Model: CONT MOTOR IO-240 B188 3801 Campus Drive TTA: 3247.6
 SN: 1003396 Waco, TX 76705 Tach: 1437.7
 TTE: 1236.2 TSMOH: **Maintenance Record (Engine)** Hobbs: 4211.9

Performed a ANNUAL inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual and Part 43 Appendix D. Drained oil, replaced oil filter and serviced with Phillips 20x50 X/C oil. Cleaned, gapped, tested and rotated spark plugs. Replaced top #3 spark plug. Compressions (#1) 70/80; (#2) 72/80; (#3) 71/80; (#4) 71/80.

I certify that this Engine has been inspected in accordance with a ANNUAL inspection and has been determined to be in airworthy condition

Young, James
A2669238

James Young

03-20-14					DRAINED OIL, REPLACED OIL
TACH	1484.1				FILTER SERVICED WITH PHILLIPS
ENG T.T.	1279.6				20W50 XC ENG OIL REPLACED ALL
					SPARK PLUGS
					<i>J. Mangin</i>
					A+P 362 9302

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: N105TX Texas State Technical College Date: 5/20/2014
 Model: CONT MOTOR IO-240 B18B 3801 Campus Drive TTA: 3345.1
 SN: 1003396 Waco, TX 76705 Tach: 1535.2
 TTE: 1333.7 TSMOH: **Maintenance Record (Engine)** Hobbs: 4332.1

Performed a 100 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual and Part 43 Appendix D. Drained oil, replaced oil filter and serviced with Phillips 20w50 X/C oil. Cleaned, gapped, tested and rotated spark plugs. Compressions (#1) 72/80; (#2) 74/80; (#3) 72/80; (#4) 76/80. I certify that this Engine has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition.

Young, James
 2669238

Reg: N105TX Texas State Technical College Date: 8/5/2014
 Model: CONT MOTOR IO-240 B18B 3801 Campus Drive TTA: 3391.6
 SN: 1003396 Waco, TX 76705 Tach: 1581.7
 TTE: 1178.7 TSMOH: 1380.2 **Maintenance Record (Engine)** Hobbs: 4391.7

Drained oil, replaced oil filter and serviced with Phillips 20W50 X/C oil. Cleaned, gapped, tested and rotated spark plugs. Installed overhauled vacuum pump PN 216CW SN 03VA01 and adjusted vacuum.

Young, James
 A&P2669238

Reg: N105TX Texas State Technical College Date: 11/14/2014
 Model: CONT MOTOR IO-240 B18B 3801 Campus Drive TTA: 3444.3
 SN: 1003396 Waco, TX 76705 Tach: 1634.4
 TTE: 1231.4 TSMOH: 1432.9 **Maintenance Record (Engine)** Hobbs: 4460.7

Performed a 100 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual and Part 43 Appendix D. Replaced all engine mounts with new. Installed 4 new cylinders S/N AC12HB619, AC12HB686, AC12HB676, AC12HB548. Serviced with Phillips 20w 50. Cleaned and rotated spark plugs. Installed new induction tubes on cylinders 1 and 3. Requires Break in flight. ALL done IAW MM. I certify that this Engine has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition.

Pelzel, Russell
 A&P3684650

Reg: N105TX Texas State Technical College Date: 1/26/2015
 Model: CONT MOTOR IO-240 B18B 3801 Campus Drive TTA: 3497.5
 SN: 1003396 Waco, TX 76705 Tach: 1687.6
 TTE: 1284.6 TSMOH: 1486.1 **Maintenance Record (Engine)** Hobbs: 4530.5

Performed a ANNUAL inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual and Part 43 Appendix D. Drained oil, replaced oil filter and serviced with Phillips 20w50 X/C oil. Cleaned, gapped, tested and rotated spark plugs. Compressions (#1) 74/80; (#2) 74/80; (#3) 74/80; (#4) 72/80. I certify that this Engine has been inspected in accordance with a ANNUAL inspection and has been determined to be in airworthy condition.

Young, James
 A&P2669238IA