

# ENGINE LOG BOOK



## CONTINENTAL SERVICES

Fairhope, Alabama

## Service Information

Consult the Continental web site at <http://www.continental.aero> for engine related news or announcements. The web site contains useful information for Continental engine owners, including service information and illustrated parts catalogs.

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 for International customers

## Warranty Information

This product is covered by Continental Aerospace Technologies™ product warranty. To read or download a copy for your records, please visit the Product Warranty page on our web site at: <http://www.continental.aero/services/warranty.aspx> or scan the QR Code to the right to navigate to the page:



## Instructions for Continued Airworthiness

For complete access to the engine Instructions for Continued Airworthiness, Illustrated Parts Catalogs, Service Documents, Technical Briefs, company news, and upcoming events, please take a few moments to register the serial number of your engine on our web site: <http://www.continental.aero/services/owner-registration.aspx> or scan the QR Code to the right to navigate to the page:




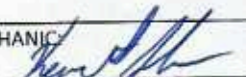
## Engine Returns

Return engines for core credit with this log book to:  
**Continental Aerospace Technologies**  
2039 Broad Street  
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:  
**Continental Services**  
Factory Service Center  
8600 County Road 32  
Fairhope, Alabama 36532 USA

**USE ONLY FUEL CONFORMING TO ASTM D910**

**USE OF AUTOMOTIVE FUEL IS PROHIBITED**

DATE:	ENGINE MODEL:	ENGINE S/N:	ENGINE TT / SMOH
November 8, 2022	IO360ES6B	357840	2387.8 / 0.0
 <b>CONTINENTAL SERVICES</b>			
<p>This is to certify that the engine described hereafter has been OVERHAULED IAW Continental Manuals M-7 (revision date of 09/16) and M-0 (08/21). This engine was disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with manufacturers current instructions. Applicable Service Bulletins and Airworthiness Directives have been complied with.</p> <p>This engine has been inspected in accordance with procedures listed in M-7 and M-0 and has been accepted by Continental Services in Fairhope, Alabama. I certify that this engine has been OVERHAULED as indicated above and was determined to be airworthy with respect to the work performed. Reference Work Order ES-11079</p> <p>COMPLIED WITH: M87-23, M93-4, M93-8, MSB94-8D, SB04-10, SB17-06, SB653, SID96-6, SIL15-8.</p>			
MECHANIC: 	FAA CERT # 9CER853B	AUTHORIZATION:	FAA CERT # 9CER853B



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> 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	

Make: Continental Motors  
Model: IO360ES6  
Serial No: 357840



Date: 11/10/2022  
Hobbs Time: 2387.8  
Total Time: 2387.8  
Time SOH: 0.0

**Engine DOM/Last OH:**

Continental Services, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition with respect to the work performed.

**Work Performed:** THE ANNUAL INSPECTION DATED 8/12/2022 PERFORMED BY WISCONSIN AVIATION UNDER SHOP ORDER MX22-0256 NOTED LIFTER CORROSION AND CAM SHAFT LOBE CORROSION BEYOND SPECIFICATION UNDER DISCREPANCIES 44 AND 45 AS THE LIST OF UNAIRWORTHY ITEMS PROVIDED TO THE OWNER. ENGINE IO360ES6 SN 357840 WAS REMOVED, OVERHAULED BY CONTINENTAL SERVICES UNDER WORK ORDER ES-11079 AND REINSTALLED IN CIRRUS SR20 SN 1457 N700ZG POST OVERHAUL WITH NEW ENGINE ISOLATOR MOUNTS/HARDWARE AND TORQUED TO SPECIFICATION. ENGINE WAS SERVICED WITH AEROSHELL 100 MINERAL OIL. PERFORMED INITIAL GROUND BREAK IN, OPERATIONAL CHECKS AND LEAK CHECKS. THIS REPAIR SATISFIES THE NOTED UNAIRWORTHY NOTED ITEMS. ---END---

Authorized Signature for Repair Station 9CER853B: Day Blicke

Details of the work performed are on file under Work Order No. AC-11029

Make: Continental Motors  
Model: IO360ES6  
Serial No: 357840



Date: 11/18/2022  
Hobbs Time: 2390.8  
Total Time: 2390.8  
Time SOH: 3.0

**Engine DOM/Last OH:**

Continental Services, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition with respect to the work performed.

**Work Performed:** REMOVED FACTORY REBUILT ENGINE DRIVEN FUEL PUMP PN R-649368-74A4 SN B22GA219R. INSTALLED FACTORY NEW FUEL PUMP PN 649368-74A4 SN B16IA019. ADJUSTED FUEL INJECTION SYSTEM USING CONTINENTAL M-0 STANDARD PRACTICES MANUAL DATA AND PROCEDURES. PERFORMED GROUND OPERATIONAL, LEAK AND BREAK IN/CHECK FLIGHTS.---END---

Authorized Signature for Repair Station 9CER853B: Day Blicke

Details of the work performed are on file under Work Order No. AC-11029




<b>1. Approving Civil Aviation Authority/Country:</b> FAA/United States	<b>2. AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	<b>3. Form Tracking Number:</b> ES-11079.1							
<b>4. Organization Name and Address</b> CMS Continental Motors Services, 8600 County Rd 32, Fairhope, Alabama 36532, United States		<b>5. Work Order/Contract/Invoice Number:</b> ES-11079							
<b>6. Item:</b>	<b>7. Description:</b>	<b>8. Part Number:</b>	<b>9. Quantity:</b>	<b>10. Serial Number:</b>	<b>11. Status/Work:</b>				
1	Engine	IO360ES6B	1	357840	Overhauled				
<b>12. Remarks:</b> THIS ENGINE WAS DISASSEMBLED, CLEANED, INSPECTED, REPAIRED, REASSEMBLED, AND TESTED IAW CONTINENTAL MANUALS M-7 (REVISION DATE OF 09/16) AND M-0 (08/21).  COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES: M87-23, M93-4, M93-8, MSB94-8D, SB04-10, SB17-06, SB653, SID96-6, SIL15-8.									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service</b>      <b><input type="checkbox"/> Other regulation specified in Block 12</b>          Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.       </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <b>14b. Authorized Signature:</b>   </td> <td style="width: 50%; padding: 5px;"> <b>14c. Approval/Certificate No:</b>            9CER853B         </td> </tr> <tr> <td style="padding: 5px;"> <b>14d. Name (Typed or Printed):</b>            Charles Baggett         </td> <td style="padding: 5px;"> <b>14e. Date (dd/mm/yyyy):</b>            08/Nov/2022         </td> </tr> </table> </div> </div>						<b>14b. Authorized Signature:</b> 	<b>14c. Approval/Certificate No:</b> 9CER853B	<b>14d. Name (Typed or Printed):</b> Charles Baggett	<b>14e. Date (dd/mm/yyyy):</b> 08/Nov/2022
<b>14b. Authorized Signature:</b> 	<b>14c. Approval/Certificate No:</b> 9CER853B								
<b>14d. Name (Typed or Printed):</b> Charles Baggett	<b>14e. Date (dd/mm/yyyy):</b> 08/Nov/2022								
<b>User/Installer Responsibilities</b>									
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>									



Original



Print Date  
11/9/2022

## Engine Component Information Sheet

Serial: 357840  
Spec: IO360ES6B  
New/Rebuilt/O/H: OVERHAULED

Assembled: 11/3/2022  
Packed: 11/9/2022  
Work Order: ES-11079

Customer Name:

Shipping Address:

Component	Serial Number
CAMSHAFT	503183-3
CRANKSHAFT	N14LA121
CRANKCASE	S15EA058
CONNROD - 1	AE14CA275
CONNROD - 2	AE14CA278
CONNROD - 3	AE14CA643
CONNROD - 4	AE14CA312
CONNROD - 5	AE14CA313
CONNROD - 6	AE14CA372
L MAGNETO	H-08150
R MAGNETO	H-08149
CARBURETOR	N/A
FUEL PUMP	B22GA219R
MANIFOLD VALVE	C22GA459R
METERING UNIT	A22GA217R
STARTER	H-F-042113
STARTER ADAPT	N/A
ALTERNATOR	H-U031707
DRIVE GEAR	N/A
DRIVEN GEAR	N/A

Component	Serial Number
L. TURBO	N/A
R. TURBO	N/A
OVERBOOST	N/A
CONTROLLER	N/A
WASTEGATE	N/A
CYLINDER - 1	AC22CA921
CYLINDER - 2	AC22CA519
CYLINDER - 3	AC22CA556
CYLINDER - 4	AC22CA469
CYLINDER - 5	AC22CA460
CYLINDER - 6	AC22CA428
CYL FLOW CODE	N/A
NOZZLE - 1	N/A
NOZZLE - 2	N/A
NOZZLE - 3	N/A
NOZZLE - 4	N/A
NOZZLE - 5	N/A
NOZZLE - 6	N/A
OIL COOLER	E22-7997-99
PISTON WEIGHT	WC

Form FHP-ES025

All of the information provided herein is subject to verification by the user.  
Continental Motors, Inc. dba Continental Services makes no representation or warranty  
concerning the accuracy or completeness of the information and assumes no responsibility  
with respect thereto.



Fairhope, Alabama, USA

***Compliance of CM Engine and  
Ignition Systems Service Bulletins  
and FAA Airworthiness Directives***

**Printed: November 8, 2022**

**Engine Model: IO360ES6B**

**Engine Serial Number: 357840**

- 1 Service Bulletins and Airworthiness Directives applicable to this engine model and serial number have been incorporated and were complied with during engine build process in accordance with FAA approved type design data for Continental Motors, Inc. Refer to Continental Motors Service Bulletins and FAA Airworthiness Directives to determine any limitation of effectivity based on the engine serial number or engine model and specification number.**
- 2 At the time of engine build, the engine listed above was compliant to all listed Service Bulletins and Airworthiness Directives. The individual or agency approving the engine and aircraft for return to service must verify compliance with all Airworthiness Directives and Service Bulletins. Refer to the individual documents to determine the necessary action required to maintain compliance.**



## **SERVICE BULLETINS**

<b>M87-23</b>	<b>CRANKSHAFT COUNTERWEIGHT IDENTIFICATION AT OVERHAUL</b>
<b>M93-4</b>	<b>CRANKSHAFT COUNTERWEIGHTS</b>
<b>M93-8</b>	<b>ROCKER ARM TO ROTOCOIL CLEARANCE</b>
<b>MSB94-8D</b>	<b>MAGNETO TO ENGINE TIMING</b>
<b>SB04-10</b>	<b>PISTON POSITION MARKING</b>
<b>SB17-06</b>	<b>CONNECTING ROD BOLT (P/N 655959) AND CRANKCASE CLEARANCE INSPECTION</b>
<b>SB653</b>	<b>HOT MAGNETO TEST</b>
<b>SID96-6</b>	<b>TCM IGNITION SYSTEMS SERVICE BULLETIN SB653.</b>
<b>SIL15-8</b>	<b>FRONT MOUNTED ALTERNATOR BRACKET ASSEMBLY INSPECTION</b>





## **AIRWORTHINESS DIRECTIVES**

**None Applicable.**