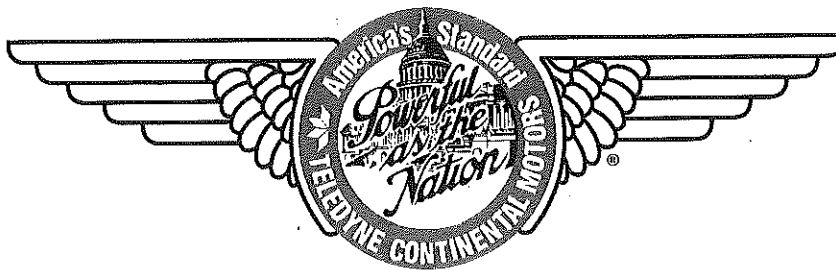


N217Q

Teledyne Continental Motors

ENGINE LOG BOOK



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

This engine model 10520BA38B, Serial No. 814450-R, was rebuilt/zero timed on 12/21/99 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
M77-14	77-13-22	REPLACED WITH NEW PART	M91-7	N/A	ULTRASONIC INSPECTION OF BARREL
M79-2	79-05-09	REPLACED WITH NEW PART	N/A	91-19-03	REPLACED OIL FILTER
M80-26	81-24-06	N/A BY PART SERIAL NUMBER	M92-6	N/A	ROCKER SHAFT RETENTION IMPROVED
M86-7	86-13-04	REPLACED WITH NEW PART	M92-14	N/A	VISUAL INSPECTION
M87-5	97-26-17	ULTRASONIC INSPECTION OF C/SHAFT	M92-16	N/A	CRANKSHAFT REPLACED
M87-13	87-14-02	**REPLACED WITH NEW PART	M93-9	93-16-15	PROPER SHAFT & COUPLING INSTALLED
M87-24	88-17-03	**REPLACED WITH NEW PART	MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE
M88-4	88-03-06	REPLACED WITH NEW PART	CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE
M90-21	N/A	ULTRASONIC INSPECTION OF BARREL	CSB94-15	N/A	CRANKCASE STUD INSPECTION
M91-6	N/A	ULTRASONIC INSPECTION OF BARREL	MSB95-6	N/A	FUEL SYSTEMS

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

Sheet 1 of 2
 Continued on back cover

TELEDYNE CONTINENTAL MOTORS
 PRODUCTION CERTIFICATE NO. 508



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:

**Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310**

This engine model 10S20BA38B, Serial No. 814450-R, was rebuilt/zero timed on 12/21/99 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
CSB96-8	N/A	REPLACEMENT OF AIRMELT(NON-VAR) CSHAFT			
MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION			
MSB94-8A	N/A	MAGNETO TO ENGINE TIMING			
CSB9710A	97-21-02	PISTON PIN PLUG WEAR			
CSB98-1	N/A	INTAKE AND EXHAUST VALVE INSPECTION			
N/A	80-01-04	CYLINDER REWORK-AIRMOTIVE ENGINEERING			
CSB99-3A	99-09-17	CRANKSHAFT ULTRASONIC INSPECTION			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

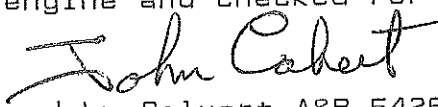
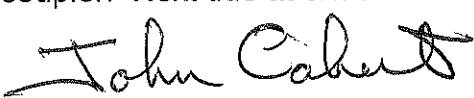
Sheet 2 of 2
Continued from front cover

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508



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.	
<i>Installed</i> 3-30-00					3/30/00 HOBBS: 4276.6 SMOH:000 Installed this engine in Beechcraft A36 E314 Bonanza N9468Q. Installation included new motor mounts, new fuel and oil hoses, new left exhaust stack and muffler and a rebuilt right muffler see yellow tag dated 10/28/98. Serviced with 12 qts Chevron 100 uncompounded Aero oil. Test ran engine. <i>John Calvert</i> John Calvert A8P 542626336 IA
					5/14/00 Hobbs: 4342.0 ETT: 65.4 100 hour inspection completed this date and the following maintenance was done: spark plugs cleaned and gapped. Compression checked: #1-76 #2-72 #3-76 #4-74 #5-76 #6-76. Oil changed and serviced with 12 qts. 20W50 Chevron Aero oil. Oil filter changed. Mufflers checked. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. <i>John Calvert</i> John Calvert A8P 542626336 IA
					6/12/00 Hobbs: 4393.4 Changed oil and filter and serviced with 12 qts. Chevron 20W50 Aero oil. John Calvert A8P 542626336 IA
					6/29/00 Hobbs: 4436.4 ETT: 159.8 AFTT: 12959.2 100 hour inspection completed this date and the following maintenance was done: spark plugs cleaned and gapped. Compression checked: #1-76 #2-74 #3-76 #4-74 #5-76 #6-74. Oil changed and serviced with 12 Qts 20W50 Chevron Aero oil. Oil filter changed. Mufflers checked. Installed new air filter. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. <i>John Calvert</i> John Calvert A8P 542626336 IA
					7/16/00 Hobbs: 4499.0 Changed oil and filter. Serviced with 12 qts. 20W50 Chevron Aero oil. Ran engine and checked for leaks. <i>John Calvert</i> John Calvert A8P 542626336 IA

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					8/3/00 Hobbs: 4536.4 Tach: 259.8 AFTT: 13059.2 100 hour inspection completed this date and the following maintenance was done: Spark plugs cleaned and gapped. Compression checked: #1-78 #2-62 #3-72 #4-72 #5-70 #6-72. Oil changed and serviced with 12 qts. 20W50 Chevron Aero oil. Oil filter changed. Mufflers checked. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. <i>John Calvert</i> John Calvert A&P 542626336 IA
					8/15/00 Hobbs: 4577.0 Removed oil cooler and replaced with new oil cooler p/n 654572. <i>John Calvert</i> John Calvert A&P 542626336 IA
					8/22/00 Hobbs: 4590.5 Changed oil and Filter and serviced with 12 qts. 20W50 Chevron Aero oil. Ran engine and checked for leaks. <i>John Calvert</i> John Calvert A&P 542626336 IA
					8/30/00 Hobbs: 4598.3 Removed defective starter drive adapter and installed rebuilt starter drive adapter p/n 642083A10. <i>John Calvert</i> John Calvert A&P 542626336 IA
					10/1/00 Hobbs: 4627.1 ETT: 350.5 AFTT: 13149.9 Annual inspection completed this date and the following maintenance was done: spark plugs cleaned and gapped. Compression checked: #1-58 #2-74 #3-76 #4-70 #5-66 #6-72. Installed new air filter. Oil changed and serviced with 12 qts. 20W50 Chevron Aero oil. Oil filter changed. Mufflers checked. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. <i>John Calvert</i> John Calvert A&P 542626336 IA

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					
1/10/01					Hobbs: 4695.9 Changed oil and filter and serviced with 12 qts. 20W50 Chevron Aero oil. Ran engine and checked for leaks.  John Calvert A&P 542626336 IA
4/5/01					Hobbs: 4727.0 ETT: 450.4 AFTT: 13249.8 100 hour inspection completed this date and the following maintenance was done: compression checked: #1-74 #2-70 #3-76 #4-70 #5-62 #6-74. Spark plugs cleaned and gapped. Oil and filter changed and serviced with 12 qts. Chevron 20W50 Aero oil. Installed new air filter. Inspected exhaust system and checked mufflers. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.  John Calvert A&P 542626336 IA
05-14-2001					Hobbs: 4776 Changed oil and filter and serviced with 12 quarts of Chevron Aero Oil 20W50. Removed magneto's and inspected per 500 hour inspection. Replaced contact P/N 10-382584 in both mag's. Block P/N 10-357426 in both mag's and distributor rotor kit P/N 10-357586 in R. mag. Complied with AD 96-12-07R3(mag impulse coupler) on both mag's by inspection of impulse coupler. Next due at 5276 hours. Replaced mag's and timed.  John Calvert A&P 542626336 IA

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 For

06-06-2001 Hobbs: 4826.2 ETT: 549.6 AFTT: 13349

One hundred-hour inspection completed this date. Spark plugs cleaned and gapped, compression checked: #1-74, #2-72, #3-76, #4-70, #5-74, #6-72. Lapped intake valve #5 cylinder. Replaced muffler R side with rebuilt muffler P/N K701-05. See yellow tag dated 10-28-98. Replaced alternator with rebuilt alternator P/N ALX9405, serial #A-68198. See yellow tag dated 05-08-1990. Changed oil and filter; serviced with 12 quarts Chevron Aero Oil 20W50.

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

John Calvert

John Calvert A&P 542626336 IA

06-19-2001 Hobbs: 4852.8

Removed L mag. Disassembled and inspected. Replaced seal P/N 10-357592 and capacitor P/N ES10-349276. Replaced mag and timed. Removed and cleaned spark plugs. Checked, gapped, and replaced.

John Calvert

John Calvert A&P 542626336 IA

7/5/01 Hobbs: 4885.9

Changed oil and filter and serviced with 12 qts. 20W50 Chevron Aero oil.

John Calvert

John Calvert A&P 542626336 IA

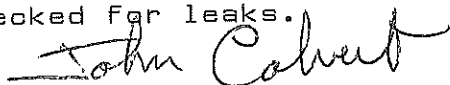
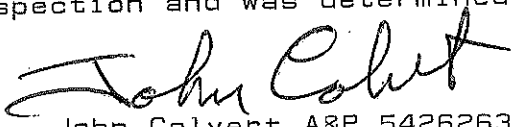
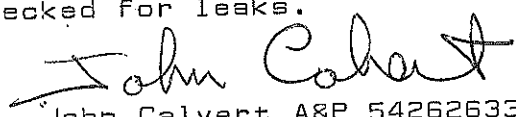
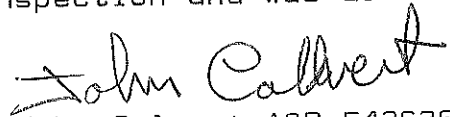
7/23/01 Hobbs: 4926.2 ETT 649.6 AFTT: 13449.

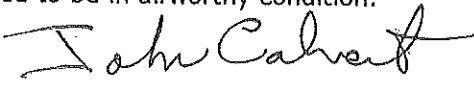
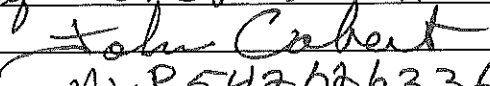
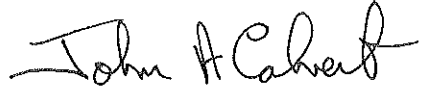
100 Hr inspection completed this date and the following maintenance was done: spark plugs cleaned and gapped. Compression checked: #1-70 #2-72 #3-72 #4-60 #5-68 #6-72. Oil changed and serviced with 12 qts. 20W50 Chevron Aero oil. Oil filter changed. Mufflers checked. Removed alternator, repaired and replaced. Checked for charge- OK. Ran engine and checked for oil leaks.

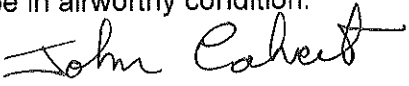
I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

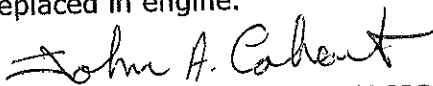
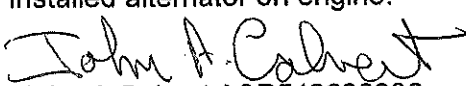
John Calvert

John Calvert A&P 542626336 IA

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 →					
8/20/01 Hobbs: 4991 Changed oil and serviced with 12 qts. 20W50 Chevron Aero oil. Ran engine and checked for leaks.  John Calvert A&P 542626336 IA					
9/4/01 Hobbs: 5024 ETT: 747.4 AFTT: 13546.8 100 hour inspection completed this date and the following maintenance was done: spark plugs cleaned and gapped. Compression checked: #1-74 #2-72 #3-72 #4-70 #5-70 #6-70. Pulled exhaust valve base and lapped valve to seat. Installed valve spring and cover. Oil changed and serviced with 12 qts. Chevron 20W50 Aero oil. Oil filter changed. Mufflers checked. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.  John Calvert A&P 542626336 IA					
10/11/01 Hobbs: 5075 Changed oil and serviced with 11 qts Chevron 20W50 Aero oil. Ran engine and checked for leaks.  John Calvert A&P 542626336 IA					
11/2/01 Hobbs: 5100 ETT: 823.4 AFTT: 13622.8 Annual inspection completed this date and the following maintenance was done: spark plugs cleaned and gapped. Compression checked: #1-68 #2-- #3-72 #4-68 #5-74 #6-72. Removed #2 cylinder for lack of compression. Ground exhaust valve and seat. Replaced intake valve with serviceable valve ground seat. Honed cylinder. Installed cylinder using new rings p/n 654716. Oil changed and serviced with 12 qts. Chevron Aero oil. Oil filter changed. Replaced air filter with new BA7112 Filter. Mufflers checked. Repaired baffeling around oil cooler. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.  John Calvert A&P 542626336 IA					

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					
5/16/02					HOBBS: 5300 ETT: 1023.4 AFTT: 14722.8 One-hundred hour inspection completed on this date with the following maintenance completed: compression checked: #1-76, #2-70, #3-76, #4-66, #5-68, #6-66. Cleaned spark plugs, checked timing, changed oil and filter; serviced with 12 quarts of Chevron Aero 20W 50 oil. Inspected exhaust system, checked mufflers. I certify that this engine has been inspected in accordance with a one-hundred hour inspection and was determined to be in airworthy condition.  John A. Calvert A&P 542626336
6-10-02					Hobbs 5351 Changed oil + Filter and serviced with 12 qts of Chevron Aero 20W50 oil.  A P 542626336
June 27, 2002					HOBBS: 5399 ETT: 1122.4 AFTT: 14821.8 One-hundred hour inspection completed this date and the following maintenance performed: compression checked-#1-70, #2-70, #3-70, #4-72, #5-70, #6-68. Spark plugs cleaned and gapped. Checked mag timing. Oil and filter changed-serviced with 12 qts Cevron Aero 20W50 oil. Inspected exhaust system, checked mufflers. I certify that this engine has been inspected in accordance with a one-hundred hour inspection and was determined to be in airworthy condition.  John A. Calvert A&P 542626336
July 25, 2002					Hobbs 5453 Changed oil and filter, serviced with 12 qts. of 20W50 Chevron Aero oil. Ran engine and checked for oil leaks.  John Calvert A&P 542626336

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					
	8-13-02		HOBBS:5493	ETT:1216.4	AFTT:14915.8
	100-hour inspection completed this date. Compression checked: #1-64, #2-70, #3-64, #4-62, #5-60, #6-64. Spark plugs cleaned and gapped. Mag timing checked. Oil and filter changed-serviced with 12 quarts of Chevron Aero 20W50 oil. Inspected exhaust system. Installed new exhaust collector R side and installed rebuilt R muffler-see yellow tag dated 08-02-02. Installed new aircleaner.				
	I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in airworthy condition.				
	 John A Calvert A&P 542626336				
	9/8/02		Hobbs 5551	Changed oil and filter and serviced with 12 qts. of Chevron aero oil 20W50.	
	 John Calvert A&P 542626336				
	9/23/02		Hobbs 5587	ETT:1310.4	AFTT:15009.8
	One hundred hour inspection completed this date with the following maintenance performed: cleaned and gapped sparkplugs, checked mag timing, checked compression-#1-70, #2-76, #3-70, #4-72, #5-20, #6-64. Removed #5 cylinder and ground exhaust valve and seat, replaced intake valve with serviceable intake valve. Ground valve and seat, honed cylinder, replaced cylinder installing new rings and gaskets. Oil and filter changed and serviced with 12 Qts of Chevron Aero 20W50 oil. Checked mufflers and exhaust system and checked fuel system.				
	I certify that this engine has been inspected in accordance with a one hundred hour inspection and was determined to be in an airworthy condition.				
	 John Calvert A&P 542626336				
	Oct. 24, 2002		Hobbs 5641	Changed oil and filter and serviced with 12qts. of Chevron 20W50 oil.,	
	 John Calvert A&P 542626336				

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					
11/22/02			Hobbs:5684	ETT:1407.4	AFTT:15106.8
Annual inspection completed this date with the following maintenance being performed; compression checked; #1-70, #2-68, #3-68, #4-60, #5-68, #6-62. Spark plugs were cleaned and gapped. Oil and filter changed; serviced with 12 qts Chevron Aero 20W50 oil. Inspected exhaust system, installed new aircleaner. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition.					
 John A. Calvert, A&P542626336, IA					
12-30-02			HOBBS:5733		
Changed oil and filter and serviced with 12 Qts of Chevron Aero 20W50 oil. Checked engine for "rough running on R mag". Found fowlded plug. Cleaned plug and replaced in engine.					
 John A. Calvert A&P 542626336					
02-23-03			HOBBS:5783	ETT:1506.4	AFTT:15205.8
One-hundred hour inspection completed this date and the following maintenance was completed: compression checked-#1-60, #2-68, #3-64, #4-60, #5-68, #6-66. Spark plugs cleaned and gapped, oil and filter changed; serviced with 12 Qts. Chevron Aero 20W50 oil. Inspected exhaust system, checked mufflers. Performed 500 hour inspection on mageto's: replaced distributor block in both magnetos with serviceable distributor block, replaced points in both magneto's with new points, replaced distributor gear in L magneto with new gear. Complied with AD96-12-07R3 (mag impulse coupling) by visually inspecting impulse coupler. Next due at 6283 hours.					
I certify that this engine has been inspected in accordance with a one-hundred hour inspection and was determined to be in airworthy condition.					
 John A. Calvert A&P, IA 542626336					
03/12/03			HOBBS: 5803		
Tested spark plugs and replaced 2 spark plugs. Removed alternator: retorqued alternator housing bolts. Installed alternator on engine.					
 John A Calvert A&P542626336					

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

4-11-2003 Hobbs 5840
Changed oil and oil filter and serviced with 12 qts. Chevron Aero 20W50 oil. Ran engine and checked for oil leaks.

John Calvert
John Calvert A&P 542626336

5/8/2003 Hobbs 5876 ETT 1599.4 AFTT 15298.8
100 hr. inspection completed this date and the following maintenance was completed: compression was checked #1-72; #2-64; #3-60; #4-64; #5-72; #6-62, spark plugs were cleaned and gapped, oil and filter were changed, and engine was serviced with 12 qts. of Chevron Aero oil 20W50. Inspected exhaust system and checked mufflers. I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in air worthy condition.

John Calvert
John Calvert A&P 542626336

June 4, 2003 Hobbs 5927
Changed oil and filter and serviced with 12 qts of Chevron Aero 20W50 oil.

John Calvert A&P 542626336

June 24, 2003 Hobbs 5971 ETT 1695.4
Removed this engine from Aircraft. N9468Q.

OCT 1, 2021 Acft S/N D7680 Acft TACH 1891.53 N217Q
INSTALL THIS ENGINE S/N 814450-R IN N217Q
IAN Beechcraft maintenance manual
DAVID A. BURNS 340 2017 A&P

David A. Burns

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	→				
10-20-2021	1892	04	(Tach)		Cut open oil filter & found clean. Installed new CH48109 oil filter. Adjusted fuel pressure IAW SID97-36, increased Aneroid control 2 turns. Adjusted idle air mixture 1/2 turn lean. Performed cylinder bore scope inspection and differential compression test; compressions 79, 68, 72, 48, 72, 50, master orifice reading 40. Adjusted propeller governor 2 turns high. This engine inspected IAW a 100-hr inspection and found to be airworthy. Nathan T. Bateman A&P/IA 3779033 <i>[Signature]</i>
					Engine Airworthiness Directives Reviewed through 10-20-2021 via Airworthiness Directives tool box. All applicable AD's complied with. Nathan T. Bateman A&P/IA 3779033 <i>[Signature]</i>

wo WJ1014



Perry Air 525 Myrtle Field Rd. Perry GA 31069 4782840890

Engine page 1 of 1

N217Q
TACH: 1896.21

Continental, IO-520-BA36B, S/N: 814450-R
SMOH: 1700.1

March 29, 2022

Drained oil. Cut open and inspected filter, found clean. Installed, torqued, and safetied new AA48109 oil filter. Serviced engine with 11 qts Phillips X/C 20W50. Removed tach drive/oil pump housing and re-sealed with new silk thread gasket. Performed engine runup, no leaks found. Verified magnets timing. Cleaned, gapped, tested and installed spark plugs with new M674 gaskets. Compression 72, 60, 66, 48, 70, 60. master orifice 41. Replaced loose exhaust stud on #2 cylinder.

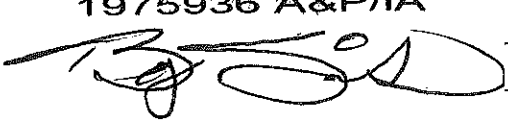
Engine annual inspection performed IAW FAR 43 app. D and was determined to be in airworthy condition.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Perry Air under work order: WO1046.

Nathan Bateman A&P/IA 3779033

[Signature]

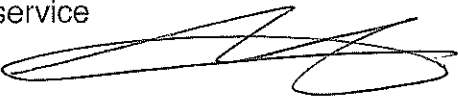
Date	Total Time <i>Tach</i>		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
20 August 2022	1911.	21	1715.	01	Removed thru-bolt (12) and installed with new bolt, nuts and washer (O-rings inclusive). Torqued to 450" lbs per standard practices manual dated 15 April 2014. • Pre-inspection of crankcase accomplished per ^(BUTMENT 92) Service Bulletin M90-17. • Post-run cylinder blow by accomplished. "No defect noted" after run/crankcase inspection. Jerry D Burns JBurns-2630089 AA/IA.
2023 03 28	1929.0		1732	9	I certify this ENGINE has been inspected per Annual EPR 43 Appendix D and determined to be in Airworthy Condition. Jerry D Burns JBurns-2630089 AA/IA. • Drained oil - serviced with new 20W50 Phillips • Inspected oil Filter (no defect noted) Installed new filter AA48109. • Magnet - check good, removed cleaned (oil) spark plugs/gapped as necessary. • Exhaust removed, inspected & reinstalled • General Visual of crankcase/fuel lines ok • Removed, inspected, re-installed prop • Research AD's to this date. ok Jerry Burns JBurns-2630089 AA/IA.
① 27 Nov 2023 112723 NOV 27 2023 N217Q., Beech S-35., sn# D7680., e tach reads: 1947.9 hrs ENGINE LOGBOOK ENTRY: Calibrated fuel injection system I/A/W SID# 97-3F NOTE: engine is TCM IO-520-BA, modified I/A/W Tomado Alley turbocharging STC., FI set to spec for TSIO-520-B (2700 RPM & 32" man press) Final (return to service) readings (settings) 800' pa., 55 deg F oat Idle., @ 600 RPM., U/M press= 5.5 psi WOT., @ 2660 RPM., Man press= 31.5., FF= 28.8 GPH., U/M press=36.0., M press = 17.9 post adjustment idle speed set to 725 RPM (ck 25 RPM rise to ICO) removed test equipment, re torqued all fittings, ground run and leak ck ok. Continued ② <i>JBurns</i>					

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	→				
	②	112723			NOV 27 2023
	AirCraftsmen of Ga 2822 Orchard Circle Watkinsville, Ga 30677		AirCraftsmen WO#112723 Bobby Swink 1975936 A&P/IA 		

N217Q

12/8/2023 Engine

Replaced fuel injector seals, x6. exhaust gaskets on cyl 4 and 6.
 Replaced no 6 cylinder with new Continental cylinder SN AC22EA-616
 Replaced intake gaskets and rocker cover gaskets. cyl 4 and 6
 Replaced turbo to manifold gasket and alternator gasket.
 New wrist pin and new cylinder base gaskets on cyl 4 and 6
 Replaced pushrod tube gaskets on cyl 4 and 6.
 Test ran engine and return to service

Kent Gorton 2830329 AP/IA 

27 April 2024					Serviced King by draining oil & adding 10 quarts of Aero Shell 100 Mineral Oil (50W); with new Tempest Oil Filter PN 9148109 - looks like good on past run. Jerry D Burns (Burns 2630089 AP/IA)
27 April 2024					I certify this engine to be in good condition per Annual (TCAS) inspection. We scope & detail of Appendix D FAR Part 43, Continental (6) Bosch Pratt & Whitney manuals & determined to be in Airworthy condition. AD's current to date: (1) 74 (2) 76 (3) 40 (4) 50 (5) 65 (6) 72. Jerry A Burns (Burns 2630089 IA)

