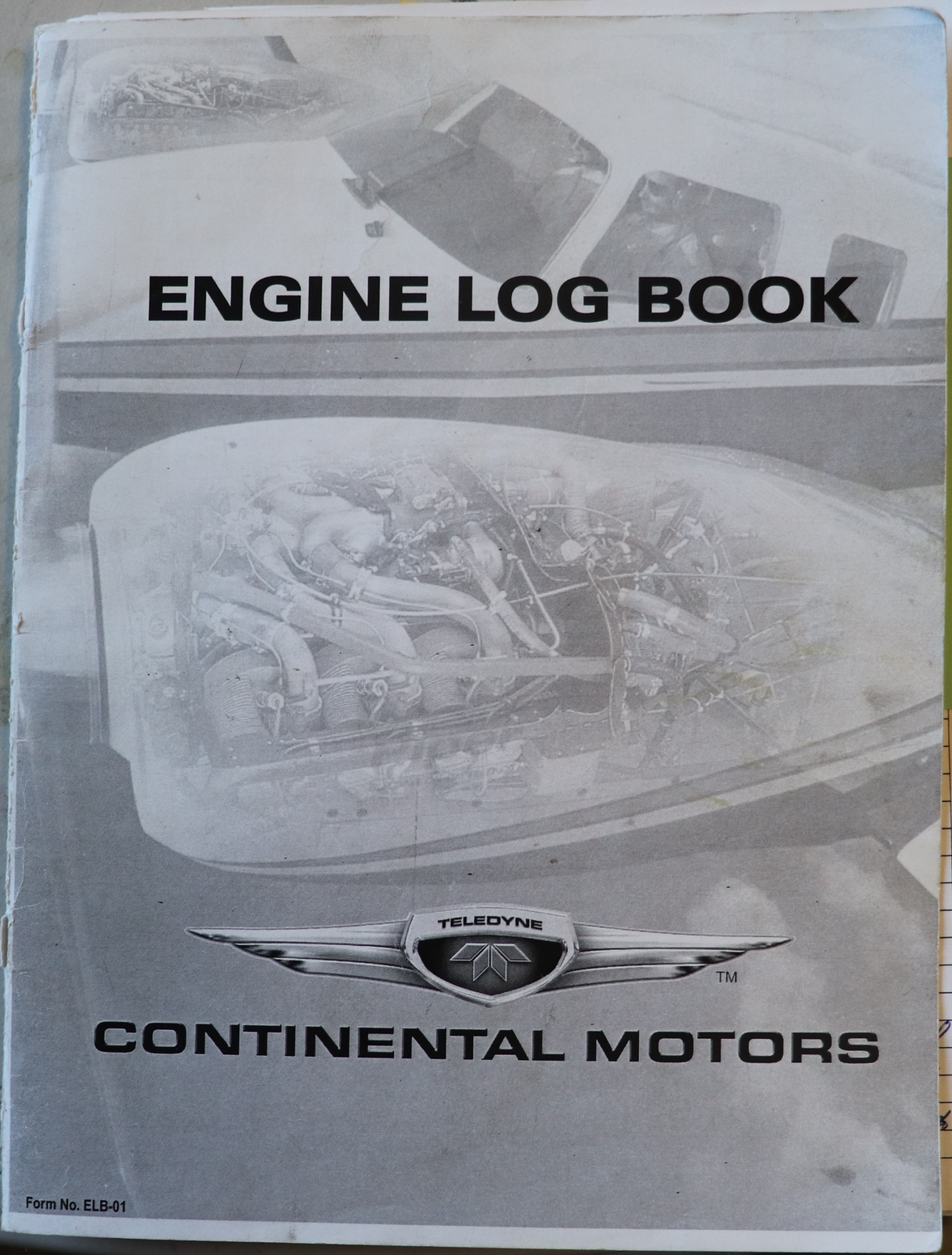


ENGINE LOG BOOK

TELEDYNE

TM

CONTINENTAL MOTORS

Form No. ELB-01

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model TSIO520P8B

Engine Serial Number 278895-R

Testing Completed

Standard Acceptance Test:

Date of Completion 11-18-01 Test Operator 31638

TELEDYNE

CONTINENTAL MOTORS

Form No 98344

-8 see designation

slick mags
24 V
remanufactured

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

This engine model ___TSIO520P8___, Serial No. 278895-R, was rebuilt/zero timed on 11/19/2001 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
M79-2	79-05-09	REPLACED WITH NEW PART	M92-6	N/A	ROCKER SHAFT RETENTION IMPROVEMENT
M80-20	80-22-05	ADDED PLATES & BOLTS	M92-16	N/A	CRANKSHAFT REPLACED
M80-26	81-24-06	N/A BY PART SERIAL NUMBER	MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE
M86-7	86-13-04	REPLACE WITH NEW PARTS	CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE
M87-5	97-26-17	CRANKSHAFT ULTRASONIC INSPECTION	CSB94-15	N/A	CRANKCASE STUD INSPECTION
M88-4	88-03-06	REPLACED WITH NEW PARTS	CSB96-8	N/A	REPLACEMENT OF AIRMELT (NON-VAR) CSHAFTS
M90-21	N/A	ULTRASONIC INSPECTION OF BARREL	MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION
M91-6	N/A	ULTRASONIC INSPECTION OF BARREL	MSB94-8A	N/A	MAGNETO TO ENGINE TIMING
M91-7	N/A	ULTRASONIC INSPECTION OF BARREL	CSB9710A	97-21-02	PISTON PIN PLUG WEAR
N/A	91-19-03	OIL FILTER CHANGE	CSB98-1	N/A	INTAKE AND EXHAUST VALVE INSPECTION

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

TCM 10

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time Hrs.	Total Time Min.	Time Since Last Overhaul Hrs.	Time Since Last Overhaul Min.	
02-05-02	Tach =	1410.0	0.	0	Installed Factory "0" time engine on this date. Model - TSIO520P8, SN - 278895-R. Installed all new engine Lord mounts. Installed all new flex. fuel and oil hoses. Installed 2 new V clamps on exhaust. Installed new Alternator belt and new AC belt. Installed new Alternator, PN - E3FF10300AAR. Installed new RA216CW Vacuum Pump. Installed 2 new check valves PN - $2361-1 and AN6249-16 on turbo system. Serviced engine with 10 qts AS40ND oil and a new oil filter. Installed Newly Overhauled Propeller, model - D3A34C402 SN-804929. Also installed newly Overhauled Prop Governor - PN-C290D4K/TZ, SN-802067 [redacted] DATE 3-1-2002 TACH. TIME 1410.0 I CERTIFY THAT THIS HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION ALTA AIR [redacted]
6-27-2002	Tach	1446.1	36.	1	Changed oil and filter - Inspected old filter and metal found - Serviced engine with 10 qts AS15-50 oil and a CH48109 oil filter - Ordinated idle RPM and full power manifold pressure [redacted]
4-4-2003	Tach	1484.2			Annual inspection completed on this date. Serviced engine with 11 qts AS15-50 oil and a CH48109 filter - Certify that this engine has been inspected in accordance with an Annual inspection and determined to be in an airworthy condition. [redacted]
	Eng TT =	74.2			

1

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time Hrs.	Total Time Min.	Time Since Last Overhaul Hrs.	Time Since Last Overhaul Min.	
Brought Forward →					
6-18-04					Changed oil and filter. Serviced w/ 10 qts AS15-50w oil and a CH48109-1 oil filter.
Eng SMOH =	131.3				
Eng TT =	131.3				Installed new AN6-15A bolt on Airconditioning Pump mounting bracket. Washed engine and test run engine and checked for leaks.
					DATE 6-18-04 TACH. TIME 1547.3 I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION ALTA AIRCRAFT MAINTENANCE [redacted]
8/3/04	143.3				Removed Engine from Cessna P210N S/N P21000589 for Rolls Royce conv.
8/31/04	143.3				Installed Engine on Cessna P210N (N152BT) S/N P21000486. Used All hoses with engine. Transfered the tani's heater, Cylinder head temperture probe, fuel flow sending unit, and oil temperture probe from the earlier engine that was on P21000486. (N152BT). Adjusted all engine controls per Service manual. Test run for leek check and systems check. Test Flight was Satisfactory. Change engine oil using 15-50W Aeroshell. Installed the vacuum pump P/N: 442-8 from N152BT [redacted]
Tach Time =		3502.0			

Date	Total Time Hrs.	Total Time Min.	Time Since Last Overhaul Hrs.	Time Since Last Overhaul Min.	
Brought Forward →					
5 Nov 04	1960		1960		Inspected engine per 100 hour ~~does cessna~~ Inspection guidelines, Engine test ran O.K. Item of note: Changed oil using 15-50 Aeroshell, New oil filter 48109 Cleaned & gapped plugs - used plugs from earlier engine that are fine wire with 1200 hours on plugs Checked timing - Ok. Lubed controls. [redacted]
Tach	time				
	3554	7			
3 Jan 2005	Tach: 3575.6				Inspected Engine for Annual Inspection per FAR 43-AppdxD and Cessna P210 Series Inspection Checklist. See below for work accomplished. This Engine determined to be in airworthy condition. [redacted]
TS "0" Time:	216				
3 Jan 2005	216	9	216	9	Cleaned, Gaped; Inspected Spark Plugs. Installed new heat shield on motor mount, Repaired drain line on plenum manifold. Checked Compression on all cyls: 1- 74/80 2- 74/80 3- 74/80 4- 74/80 5- 64/80 6- 76/81. New seal on Injector pipe of cyl #1 [redacted]
Mar 15, 05	241	3	241	3	Changed oil & filter using Aeroshell 15-50 oil & 48109 filter Ops check OK [redacted]
Tach time			3600	0	

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: 01/09/06 Tach: 3663.1 TSN: 304.4 Performed hot compression check: #1 70/80, #2 72/80, #3 72/80, #4 70/80, #5 72/80, #6 70/80. Drained oil, removed replaced filter and safety wired. Serviced with 10 qts Aeroshell 15W50. Inspected exhaust and induction systems. Checked magneto timing and inspected points. Checked and lubed controls. Checked inlet fuel filter. Cleaned, gapped and tested spark plugs. Engine run-up and leak check satisfactory. I certify that this engine has been inspected in accordance with FAR 43, Appendix D, annual inspection form and was found to be in airworthy condition. The aircraft or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found airworthy and approved For R.T.S. Pertinent details of the repair are on file at this agency under W/O#001209. Date: 1/9/06 Signed: [redacted] Signature of Authorized Inspector for Oxford Aviation, Inc. [redacted] Oxford Aviation INCORPORATED
April 30, 06	Tach Time		3685.1		Installed Vacuum Pump P/N: 442CW-8 S/N: 3601 (See AC Log for details) [redacted]
Aug 3, 2006	Tach	Time	3712	4	Changed oil & filter using Aeroshell 15-50 w oil and Tempest 48109 filter. Repaired Intake Intercooler temp line. Run for Ops check - all O.K. [redacted]
Nov 17, 06	Tach	Time	3771	.2	Oil & Filter Change using Aeroshell 15-50 w and 48109 filter. Ran for Oil Leak Check. [redacted]

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: 01/16/07 Tach: 3781.6 TSN: 422.9 Performed hot compression check: #1 70/80, #2 73/80, #3 70/80, #4 74/80, #5 73/80, #6 78/80. Inspected exhaust and induction systems. Checked magneto timing and inspected points. Checked and lubed controls. Checked inlet fuel filter. Cleaned, gapped and tested spark plugs. Engine run-up and leak check satisfactory. Repaired #6 cylinder baffling. I certify that this engine has been inspected in accordance with FAR 43, Appendix D, annual inspection form and was found to be in airworthy condition. Date: 01/16/07 Signed: [redacted]
Oct 2007	Tach Time		3799	0	Change oil & filter - Ops check Ok Def I [redacted]
Jan 25, 08	Tach Time		Time To		Inspected per 100 hour inspection and found Airworthy. CW oil filter adapter 96-12-22 AD and Inspected exhaust per AD 81-23-03 R2. Compression is good 1- 76/80 2- 73/80 3- 77/80 4- 74/80 5- 77/80 6- 78/80 Inspected per P210 Service checklist. - engine air worthy [redacted]
	3833.4		474	7	
2-1-08					Inspected Engine for Annual inspection Tach 3833.4 all ADs Complied with. Found Aircraft to be Airworthy [redacted]

1. Approving national aviation authority/country: Transport Canada
2. AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078
3. Form Tracking No. A50876
4. Approved organization name and address: Pro Aero Engines Inc., 2965 Airport Road, Kamloops, BC V2B 7W8 Canada
5. Work order/contract/invoice A50876
6. Item 1
7. Description SLICK MAGNETO
8. Part No. 6320
9. Eligibility* N/A
10. Qty 1
11. Serial(batch) No. 08050835
12. Status/Work REPAIRED
13. Remarks SB2-08A NOT APPLICABLE DUE TO S/N. INSTALLED CARBON BRUSH P/N AM3215 RENDERING SB3-08A NOT APPLICABLE. ASSEMBLED AND TEST RUN. NO OTHER WORK PERFORMED.
14. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 13.
15. Authorized signature
16. Certificate/Approval ref. No. AMO 15-82 SCA PAEI #11
17. Name
18. Date (dd/mmm/yyyy) 24 OCT. 2008
19. ☒ CAR 571 10 Maint. [redacted] AUTHORIZED FOR RETURN TO SERVICE
* Installer must cross-check eligibility with approved data

11/9/09

(LH side)

Service and Maintenance Record

..., Inspections, Airworthiness Directives, Special Inspections, ...ns and Service Bulletins

...rotor Exhaust Stud #3 Cyl

... Oil + Filter 12qT AMO 15-50

... Engine oil + Filter 12qT 15-50

... Check No Leaks OK

...formed Compression Test Cold:
1) 76/80 2) 76/80 3) 76/80 4) 76/80 5) 76/80 6) 76/80. Cleaned + checked. Performed 500hr check on RH ...installed new carbon brush. Installed ... Mag s/n 6320, S/N 08050835 on ...side. Checked Exhaust for cracks. ...tained per Service Manual ...al inspection check list. I ...tify this engine was inspected ... Accordance with an Annual ...pection and found Airworthy ... this time — End —

[redacted]

Oil Filter 12qT 15-50 Annual
Bendix 6 Top Plugs Champion Fine Wire
HMP [redacted]

Oil Filter 15-50 - T.O.T OK
Ready For Alaska Trip

11/09	3980.4		Oil Filter 12qT 15-50 Test Run OK
TTSO	6213		

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Date	Total Time Hrs.	Total Time Min.	Time Since Last Overhaul Hrs.	Time Since Last Overhaul Min.	Engine Service and Maintenance Record — Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward →					
2-22-10			622	3	Tach Time 3981.4
					Compression ① 72/80 ② 72/80 ③ 72/80 ④ 75/80 ⑤ 72/80 ⑥ 72/80
					Lube Turbo Waste Gate
					Lube Fuel Valve Assy
					Check Mag Timing - Exhaust System Checked Per Manual - Spark Plugs Cleaned + Rotated.
					I Coatity This Engine was Inspected in Accordance with an Annual Inspection and Found Airworthy At this time
					[redacted]
3/20/10			643.5		Change Oil 12qt 15-50 + Filter
					Grease Box No Leaks Taught
					Changed Gapped Spark Plugs. ① 67/80 ② 68/80 ③ 76/80 ④ 67/80 ⑤ 67/80 ⑥ 68/80
					Checked Oil & Ga Sirens.
					Changed Oil + Filter
					DATE 7-15-11 TIME ON ~~ATP ENGINE~~ 674.9 SFMH
					TACH TIME 4034.0
					I certify that this Engine has been ... with a Annual inspection ... determined to be in airworthy condition. All current and ... ADS complied with.
					[redacted]

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Engine Service and Maintenance Record

Date	Total Time Hrs.	Total Time Min.	Time Since Last Overhaul Hrs.	Time Since Last Overhaul Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward →					
6/12/08	3849.1				BrA Broken Exhaust Stud #3 Cyl
9/1/08	3940.6				Replace Oil + Filter 12qt AeroShell 15-50
10/15	3881				Change Engine oil + Filter 12qt 15-50
	TSOH	522.3			ops Check No Leaks OK
2/2/09					Performed Compression Test Cold:
Tach:	3894.0				1) 68/80 2) 67/80 3) 70/80 4) 70/80 5) 70/80 6) 72/80. Cleaned
TSOH:	535.3				Plugs + checked. Performed 500hr check on RH
					Mag + installed new carbon Brush. Installed
					New Mag s/n 6320, S/N 08050835 on
					LH Side / checked Exhaust for cracks.
					inspected per Service Manual
					Annual inspection check list. I
					Certify this engine was inspected
					in Accordance with Ann Annual
					inspection and found Airworthy
					at this time — End
					[redacted]
7/09 TACH	39 30.1				Oil Filter 12qt 15-50 AeroShell
					Replace 6 Top Plugs Champion Fine Wire
					Champion # RHB32S Test Run No Leaks
10/2	39 39				Oil Filter 15-50 - T.O.T OK
					Ready For ALASKA Trip
11/09	39 80.4				Oil Filter 12qt 15-50 Test Run OK
TTSO	621.3				

Engine Service and Maintenance Record

Date	Total Time Hrs.	Total Time Min.	Time Since Last Overhaul Hrs.	Time Since Last Overhaul Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward →					
2-22-10			622	3	Tach Time 3981.4
					Compression ① 72/80 ② 72/80 ③ 73/80 ④ 75/80 ⑤ 73/80 ⑥ 72/80
					Lube Turbo Waste Gate
					Lube Fuel Valve Assy
					Check Mag Timing - Exhaust System Checked
					Per Manual. - Spark Plugs Cleaned +
					Rotated.
					I Certify This Engine WAS Inspected in
					Accordance with an Annual Inspection and
					Found Airworthy At this time
					[redacted]
8/20/10			643.5		Change Oil 12qt 15-50 + Filter
					Ground Run No Leaks Taught
					4002.6
					Cleaned & Gapped Spark Plugs.
					① 67/80 ② 68/80 ③ 70/80 ④ 67/80 ⑤ 67/80 ⑥ 67/80
					Checked oil & Ga Sweeva.
					Changed oil & filter
					DATE 3-15-11 TIME ON ~~AIRFRAME~~ ENGINE 674.9 SFMH
					TACH TIME 4034.0
					I certify that this Engine has been in
					accordance with a Annual inspection and
					determined to be in airworthy condition. All current and
					recurrent ADS complied with.
					[redacted]

Date	Total Time		Time Since Last Overhaul		**Engine Service and Maintenance Record**
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Br					

Maine Aviation
Aircraft Maintenance, LLC.

406 Yellowbird Road • Portland International Airport • Portland, ME 04102
(207) 780-1811 • Fax (207) 772-6900

CRS FSER011E

Date	WO#	Registration	Type/Model	SN	ACTT	Engine TSO
04-01-12	35535	N152BT	TSIO-520 P8	278895-R	4057.5	667.0

Inspected iaw M.A.A.M. High Performance Single Engine Annual Inspection Guide
The following airworthiness directives were complied with:
AD 81-23-03 R2 "Exhaust System"—inspected per the AD **Next Due: 50 Hrs. TIS**
AD 11-13-03 "Turbocharger Housing Inspection"—N/A to turbocharger part number
AD 11-25-51 "Starter Adapter Shaft Gear"—N/A to engine model
AD 12-03-06 "AFS Fuel Servo Diaphragm"—N/A to fuel servo part number
AD 10-11-04 "Hydraulic Valve Lifters"—N/A by engine overhaul date and no lifters replaced
AD 08-08-17 "Turbocharger Turbine Flange"—N/A to turbocharger serial number
AD 09-19-07 "TCM EQ3 Cylinders"—verified no affected cylinders installed
Drained oil, removed and inspected filter—no contamination noted. Installed new CH48109-1 Filter and serviced with 10 qts. of Philips 20W-50M oil.
Performed cylinder compression check: #1 52/80 #2 38/80 #3 60/80 #4 66/80 #5 59/80 #6 65
The following discrepancies were noted and corrected:

- Reinstalled induction air intercooler after mount bracket repair by Pete Most Welding (wo19611)
- Replaced unserviceable turbine exhaust clamp with new p/n NH1000897-50 Clamp
- Replaced 3 unserviceable spark plugs with new p/n RHB32S Plugs
- Replaced upper deck line seals with new p/n 633958-3 Packings
- #1, 3, and 5 exhaust risers repaired by Dawley Aviation (wo105706)
- Removed #1 Cylinder due to low compression
  - Replaced worn intake valve with new p/n 655783 Valve
  - Replaced worn exhaust valve guide with new p/n 636242 Guide
  - Lapped valves and seats
  - Replaced worn piston pin with new p/n 630046 Pin
  - Replaced piston rings with new p/n 654716 Ring Set
  - Replaced 1 broken exhaust stud with new p/n 640482 Stud
  - Reinstalled cylinder with new p/n 646563A1 Gasket Set iaw TCM TSIO-520 Overhaul Manual
- Removed #2 Cylinder due to low compression
  - Replaced worn intake valve with new p/n 655783 Valve
  - Replaced worn exhaust valve guide with new p/n 636242 Guide
  - Lapped valves and seats
  - Replaced worn piston pin with new p/n 630046 Pin
  - Replaced piston rings with new p/n 654716 Ring Set
  - Replaced pitted exhaust valve lifter with new p/n 658077 Lifter
  - Reinstalled cylinder with new p/n 646563A1 Gasket Set iaw TCM TSIO-520 Overhaul Manual
- Removed #3 Cylinder
  - Replaced 3 broken exhaust studs with new p/n 640482 Studs
  - Replaced worn intake valve with new p/n 655783 Valve
  - Replaced worn exhaust valve with new p/n 655771 Valve
  - Replaced worn exhaust valve guide with new p/n 636242 Guide
  - Lapped valves and seats
  - Replaced worn piston pin with new p/n 630046 Pin
  - Replaced piston rings with new p/n 654716 Ring Set
  - Reinstalled cylinder with new p/n 646563A1 Gasket Set iaw TCM TSIO-520 Overhaul Manual
- Removed #5 Cylinder
  - Replaced worn intake valve with new p/n 655783 Valve
  - Replaced worn exhaust valve with new p/n 655771 Valve
  - Replaced worn exhaust valve guide with new p/n 636242 Guide
  - Lapped valves and seats
  - Replaced pitted intake valve lifter with new p/n 658088 Lifter
  - Replaced worn piston pin with new p/n 630046 Pin
  - Replaced piston rings with new p/n 654716 Ring Set
  - Replaced 1 broken exhaust stud with new p/n 640482 Stud
  - Reinstalled cylinder with new p/n 646563A1 Gasket Set iaw TCM TSIO-520 Overhaul Manual
- Retorqued forward crank case thru bolt nuts

Engine run up—all ground checks satisfactory, no leaks noted

I certify that this Engine has been inspected in accordance with an **Annual Inspection**, and was determined to be in airworthy condition.
All applicab[redacted] to service.
Signature [redacted]
MAINE AV[redacted]
REPAIR S[redacted]

Date	Total Time		Time Since Last Overhaul		**Engine Service and Maintenance Record**
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward →					
					Compression ①72 ②70 ③73 ④75 ⑤74 ⑥70 80
					oil + Filter Changed Shell 15-50
					Timed Both Magnetos
					Cleaned all fuel Screens

4-10-13
DATE _____ TIME ON ~~AIRFRAME~~ ENGINE 689.2 T.S.O.
TACH TIME 4079.7

I certify that this Engine has been inspected in accordance with a Annual inspection, and was determined to be in airworthy condition. All current ADS complied with.
[redacted]

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 8/08/2014; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 2899.60; Tach: 4096.40; Total Time: 4096.40
* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the P210 Maintenance Manual.
* Performed a Differential Compression Check with the following results: Cylinder #1 62/80, Cylinder #2 62/80, Cylinder #3 62/80, Cylinder #4 53/80, Cylinder #5 53/80, Cylinder #6 55/80.
* Cleaned, gapped, and tested the spark plugs.
* Lubricated the engine controls and slip joints after cleaning.
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 10 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
* Removed the fuel nozzles and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted. Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued.
* Removed, inspected, cleaned, and reinstalled fuel servo inlet filter.
* Fabricated and installed a new 1/4" hard line for the fuel drain on the forward crossover induction tube in accordance with the TCM Maintenance Manual. Installed with 193-4 hose.
* Adjusted the mixture control rod end to provide clearance on the panel. Operationally tested the mixture control stop to stop with satisfactory results.
* Set the fuel flow parameters per the Service Manual and SID 97-3F. Reset the engine RPM to manufacturer's specifications.
* Removed the aft exhaust shroud to access the hose clamp for the #2 and 4 cylinder. Repositioned the hose and realigned the clamps.
* Reset the magneto timing to within manufacturer's specifications.
* Troubleshot the cabin heat control. Found the heat control was catching on the "L" bracket. Adjusted the "L" bracket and operationally tested the cabin heat control with satisfactory results.
* Re-secured the right cowl flap control cable rubber guide boot and operationally tested the right cowl flap control cable with satisfactory results.
* Tested the bottom inter-cooler probe and determined to be inoperative. Removed the inter-cooler gauge p/n 307CD s/n 05848 and sent out for repair. Received the repaired gauge (see 8130) and reinstalled with new customer supplied probes p/n 307C. Found a shorted probe wire and repaired the wire harness. Installed new connectors at the inter-cooler end. Operational check was satisfactory.
* Repositioned the magneto harness and added a clamp stand off to the crankcase. Applied tywraps as required.
* Removed the right magneto and performed a visual inspection. Cleaned and installed new point p/n A13081 and carbon brush p/n M3215.
* Complied with AD 81-23-03R2, Inspection of the Engine Exhaust with reference to SIL SE82-3 paragraph (B.) Next inspection due again in 50 hours at 2949.6hrs Hobbs.
* Removed the #2 cylinder induction pipe. Removed the hose from the #6, 4 and 2 elbow assembly and found the pipe was crushed around the flange. Removed the elbow. Installed a serviceable induction pipe p/n 643255 (see 8130.) Cleaned the left and right fuel primer nozzles. Performed a leak check with no leaks noted.
* Installed a test standby generator and checked for voltage at the terminal. Reviewed schematic and operation with poor results. Applied heat shrink to the terminals and tied off. No further action taken at this time.

Infinity Aviation Services LLC PAGE 2 OF 2
* Reinstalled the oil dipstick tube and torqued the hose clamp.
* Installed a new alternator belt.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers [redacted]
Date: 8/8/2014, W/O: I1536
Infinity Aviation Services LLC
FAA Certified Repair Station [redacted]

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 10/01/2014; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 2923.20; Tach: 4121.10; Total Time: 4121.10
* Removed the intercooler to gain access to the oil filter. Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 10 quarts of Aeroshell 15W50 oil. Reinstalled the intercooler. Ground ran the engine and checked for oil leaks with no leaks noted.

Signature: Alan Desrosiers [redacted]
Date: 10/1/2014, W/O: 1547
Infinity Aviation Services LLC
[redacted]

10

5. Work Order/Contract/Invoice Number: W/O#50006

FAA Approved Repair Station# [redacted]MR190K
Certificate NO: EASA.145.6274
(800) 647-8615 or (559) 635-3322

234 South Cotta Court
Visalia, Ca. 93292 U.S.A.

Date: 10/26/2015; Aircraft: N
* Performed a 100 Hour/Ann
Maintenance Manual.
* Performed a Differential Co
Cylinder #4 67/80, Cylinder #
* Checked the Magneto Timi
* Cleaned, gapped, and tes
* Lubricated the engine cont
* Drained and s[illegible]ened the
noted. Installed a new oil filte
varsol and dried with compre
* Removed, inspected, clear
* Removed the turbo p/n 465
the housing. Torqued and sa
* Removed the exhaust, ra
rocker shafts and washers,
exhaust pieces. Reinstalled
the hold down nuts to ma
manufacturer's specificatio
heat deflector shield on the
Performed an engine grou
* Removed and replaced the
* Installed a new oil cap chain p/n C156001-0104.
* Removed the right magneto. Reset the internal timing and cleaned the distributor contacts. Reinstalled the right magneto. Re-timed both magnetos to within manufacturer's specifications.
* Installed a new wastegate spring p/n 477312-0000. Operational check was satisfactory.
* Fabricated a new heat shield for the #2 to #4 cylinder intake tube and installed.
* Complied with AD81-23-03R2, Engine Exhaust System Integrity in reference to SIL82-3 para (B) with no defects noted. Next inspection due at 4178.0hrs Tach.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Sig
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IDENTIFICATION TAG
OMNI
P.N.: Omni P/N-KS538178 Cust P/N-32800-1088 Rev: 1
S.N.: N/A Lot # 10386
Operator #: 4195 Date: 8-19-14
Inspector #: 4193 Date: 8-19-14
Electrical Test: Passed

ALTHORIZED RELEASE CERTIFICATE

8. Part Number:	9. Serial/Batch Number	10. Status/Work	11. Remarks
465680-4			

-artzell overhaul manual P/N 400600-0000 Revis
letins and AD notes complied with.
anual.

In conformity to:
ndition for safe operation.
n Block 12.

13c. Approval/Authorization No.:
13e. Date (dd/mmm/yyyy):

User/Ins

Document alone does not automatically constitute au
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ccepts aircraft engine(s) or propeller(s) specified in
craft maintenance records must contain an installa

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INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 1/12/2016; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 3007.90; Tach: 4217.60; Total Time: 4217.60
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 10 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

Signature: [redacted]
Date: 1/12/
Infinity Avia
[redacted]

LIFETIME

FAA Approved Repair Station# MAMR190K
Certificate NO: EASA.145.6274
(800) 847-8815 or (559) 635-3322

5. Work Order/Contract/Invoice Number:
W/O#50006

Date: 10/26/2015; Aircraft:
* Performed a 100 Hour/An
Maintenance Manual.
* Performed a Differential C
Cylinder #4 67/80, Cylinder
* Checked the Magneto Tim
* Cleaned, gapped, and tes
* Lubricated the engine con
* Drained and screened the
noted. Installed a new oil fil
varsol and dried with compr
* Removed, inspected, clea
* Removed the turbo p/n 46
the housing. Torqued and s
* Removed the exhaust, int
rocker shafts and washers,
exhaust pieces. Reinstalled
the hold down nuts to manu
manufacturer's specificatior
heat deflector shield on the
Performed an engine groun
* Removed and replaced th
* Installed a new oil cap chain p/n C15600I-0104.
* Removed the right magneto. Reset the internal timing and cleaned the distributor contacts. Reinstalled the right magneto. Re-timed both magnetos to within manufacturer's specifications.
* Installed a new wastegate spring p/n 47731 2-0000. Operational check was satisfactory.
* Fabricated a new heat shield for the #2 to #4 cylinder intake tube and installed.
* Complied with AD81-23-03R2, Engine Exhaust System Integrity in reference to SIL82-3 para (B) with no defects noted. Next inspection due at 4178.0hrs Tach.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for [redacted] ection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 10/26/2015, W/O: 1
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y

8. Part Number:	
465680-4	

erhaul manual P/N 400600-0000 Revi
AD notes complied with.

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2.

13c. Approval/Authorization No.:

13e. Date (dd/mmm/yyyy):

User/In

alone does not automatically constitute au
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craft engine(s)/propeller(s)/article(s) from t
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1. Approving Civil Aviation Authority/Country: FAA/United States
2. **AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG
3. Form Tracking Number: 1633C
4. Organization Name and Address: Unlimited Aero Engines 537 Crawford St. Fitchburg Ma 01420
5. Work Order/Contract/Invoice Number:

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Cylinder Assy	655470A1	1	N/A	Repaired

12. Remarks:
1.) Repaired above described engine assy in blocks 7,8,10,11 I.A.W. current Continental Motors Overhaul manual #X30575. All applicable Service bulletins and Airworthiness Directives are in compliance as of date in block 14e. Details of work performed are on file at this agency under WO1633
>>END<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

13a. Certifies the items identified above were manufactured in conformity to:
☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☑ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 [redacted] as accomplished in accordance with Title 14, Code of [redacted] said in respect to that work, the items are approved for

13b. Authorized Signature:
13c. Approval/Authorization [redacted]
14c. Approval/Certificate No.: U53R556B
13d. Name (Typed or Printed):
13e. Date (dd/mmm/yyyy):
14e. Date (dd/mmm/yyyy): 08/Oct/2015

User/Instal

It is important to understand that the existence of this document alone does not automatic [redacted] raft engine/propeller/article.

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.

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.

FAA Form 8130-3 (02-14) NSN: 0052-00-012-9005

Infinity Aviation Services LLC PAGE 2 OF 2
* Reinstalled the oil dipstick tube and torqued the hose clamp.
* Installed a new alternator belt.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers [redacted]
Date: 8/8/2014, W/O: I15362
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 10/01/2014; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 2923.20; Tach: 4121.10; Total Time: 4121.10
* Removed the intercooler to gain access to the oil filter. Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 10 quarts of Aeroshell 15W50 oil. Reinstalled the intercooler. Ground ran the engine and checked for oil leaks with no leaks noted.

Signature: [redacted]
Date: 10/1
Infinity Aviation Services LLC
[redacted]

10

5. Work Order/Contract/Invoice Number: W/O#50006

FAA Approved Repair Station# MAMR190K
Certificate NO: EASA.145.6274
(800) 647-8815 or (559) 635-3322

634 South Cotta Court
Visalia, Ca. 93292 U.S.A.

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 10/26/2015; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 2965.00; Tach: 4177.50; Total Time: 4177.50
* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the P210N Maintenance Manual.
* Performed a Differential Compression Check with the following results: Cylinder #1 60/80, Cylinder #2 47/80, Cylinder #3 67/80, Cylinder #4 67/80, Cylinder #5 60/80, Cylinder #6 60/80.
* Checked the Magneto Timing.
* Cleaned, gapped, and tested the spark plugs.
* Lubricated the engine controls and slip joints after cleaning.
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 12 quarts of Phillips 20W50M oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
* Removed, inspected, cleaned, and reinstalled fuel servo inlet filter.
* Removed the turbo p/n 465680-4 s/n KFO168 and sent out for repair. Received the overhauled unit (see 8130,) fitted and realigned the housing. Torqued and safetied the bolts. Reinstalled and secured the hardware.
* Removed the exhaust, intake manifolds and baffles to gain access to the #2 cylinder. Removed the #2 cylinder p/n 655470A1 with rocker shafts and washers, sent out for repair. Cleaned the case face around the cylinder hold down studs. Inspected the removed exhaust pieces. Reinstalled the repaired cylinder (see yellow tag,) rocker shafts and washers with new seals and gaskets. Torqued the hold down nuts to manufacturer's specifications. Reinstalled the intake manifold and exhaust with new gaskets and torqued to manufacturer's specifications. Reinstalled the fuel nozzles and fuel rail. Reinstalled the baffles and rocker covers. Reinstalled the heat deflector shield on the intake couplings. Reinstalled the CHT and EGT probes. Pre-oiled the cylinder and engine for pressure. Performed an engine ground run with satisfactory results. Performed a cylinder break-in flight with satisfactory results.
* Removed and replaced the #6 CHT probe p/n M-5050T. Operational check was satisfactory.
* Installed a new oil cap chain p/n C156001-0104.
* Removed the right magneto. Reset the internal timing and cleaned the distributor contacts. Reinstalled the right magneto. Re-timed both magnetos to within manufacturer's specifications.
* Installed a new wastegate spring p/n 477312-0000. Operational check was satisfactory.
* Fabricated a new heat shield for the #2 to #4 cylinder intake tube and installed.
* Complied with AD81-23-03R2, Engine Exhaust System Integrity in reference to SIL82-3 para (B) with no defects noted. Next inspection due at 4178.0hrs Tach.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: [redacted]
Date: 10/2
Infinity Aviation Services LLC
FAA Certified Repair Station
[redacted]

8. Part Number: 465680-4

overhaul manual P/N 400600-0000 Rev
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13c. Approval/Authorization No.:
13e. Date (dd/mm/yyyy):

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INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 1/12/2016; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 3007.90; Tach: 4217.60; Total Time: 4217.60
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 10 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

Signature: [redacted]
Date: 1/12
Infinity Aviation Services LLC
[redacted]

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FAA Approved Repair Station# MAMR190K
Certificate NO: EASA.145-6274
(800) 847-8815 or (559) 635-3322

5. Work Order/Contract/Invoice Number: W/O#50006

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 10/26/2015; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 2965.00; Tach: 4177.50; Total Time: 4177.50
* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the P210N Maintenance Manual.
* Performed a Differential Compression Check with the following results: Cylinder #1 60/80, Cylinder #2 47/80, Cylinder #3 67/80, Cylinder #4 67/80, Cylinder #5 60/80, Cylinder #6 60/80.
* Checked the Magneto Timing.
* Cleaned, gapped, and tested the spark plugs.
* Lubricated the engine controls and slip joints after cleaning.
* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 12 quarts of Phillips 20W50M oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
* Removed, inspected, cleaned, and reinstalled fuel servo inlet filter.
* Removed the turbo p/n 465680-4 s/n KFO168 and sent out for repair. Received the overhauled unit (see 8130,) fitted and realigned the housing. Torqued and safetied the bolts. Reinstalled and secured the hardware.
* Removed the exhaust, intake manifolds and baffles to gain access to the #2 cylinder. Removed the #2 cylinder p/n 655470A1 with rocker shafts and washers, sent out for repair. Cleaned the case face around the cylinder hold down studs. Inspected the removed exhaust pieces. Reinstalled the repaired cylinder (see yellow tag,) rocker shafts and washers with new seals and gaskets. Torqued the hold down nuts to manufacturer's specifications. Reinstalled the intake manifold and exhaust with new gaskets and torqued to manufacturer's specifications. Reinstalled the fuel nozzles and fuel rail. Reinstalled the baffles and rocker covers. Reinstalled the heat deflector shield on the intake couplings. Reinstalled the CHT and EGT probes. Pre-oiled the cylinder and engine for pressure. Performed an engine ground run with satisfactory results. Performed a cylinder break-in flight with satisfactory results.
* Removed and replaced the #6 CHT probe p/n M-5050T. Operational check was satisfactory.
* Installed a new oil cap chain p/n C156001-0104.
* Removed the right magneto. Reset the internal timing and cleaned the distributor contacts. Reinstalled the right magneto. Re-timed both magnetos to within manufacturer's specifications.
* Installed a new wastegate spring p/n 477312-0000. Operational check was satisfactory.
* Fabricated a new heat shield for the #2 to #4 cylinder intake tube and installed.
* Complied with AD81-23-03R2, Engine Exhaust System Integrity in reference to SIL82-3 para (B) with no defects noted. Next inspection due at 4178.0hrs Tach.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: [redacted]
Date: 10/2[redacted]
Infinity Avi[redacted]
[redacted]ir Station

8. Part Number: 465680-4

erhaul manual P/N 400600-0000 Re
AD notes complied with.

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13c. Approval/Authorization No.:

13a. Date (dd/mmm/yyyy):

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INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 4/20/2017; Aircraft: N152BT; Type: P210; S/N: P21000486; Hobbs: 3071.90; Tach: 4276.20; Total Time: 4276.20
*Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the C206 Maintenance Manual.
Performed a Differential Compression Check with the following results: Cylinder #1 22/80, Cylinder #2 69/80, Cylinder #3 58/80, Cylinder #4 45/80, Cylinder #5 58/80, Cylinder #6 59/80.
Checked the Magneto Timing.
Cleaned, gapped, and tested the spark plugs.
Lubricated the engine controls and slip joints after cleaning.
Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 10 quarts of Phillips 20W50M oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
Removed, inspected, cleaned, and reinstalled fuel servo inlet filter.
*Removed the rocker box cover and stake the valves with no change. Boroscope the cylinder and found the exhaust valve to be burnt. Removed the cylinder and send out for repair. Received the repaired cylinder p/n 655470A1, s/n KO79. See 8130 from Ultimate Aero Engines. Installed the cylinder in accordance with the T.C.M. maintenance manual. Secure the baffling, CHT probe, EGT probe, Tanis heater, exhaust / intake and starter etc. Serviced the engine with mineral oil see #102. Performed a ground run and break in flight with no leaks noted.
*Fabricated a new baffle attachment at the #1 cylinder. Fitted and secured in place.
*Fabricated a new baffle attachment bracket at #6 cylinder.
*Repositioned the distributor vent line away from the bracket and # 2 cylinder fuel line. Applied high temperature spiral wrap.
*Secured the fuel pump vent line to black hose to prevent chafing of the vent hose.
*Removed the hardware at the # 6 cylinder exhaust collector, shimmed and reinstalled the hardware.
*Replaced the #5 cylinder EGT probe. Operationally checked satisfactory.
*I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: [redacted]
Date: 0[redacted]
I[redacted]
F[redacted]

Engine Make/Model: Continental TSIO520P8B **Engine SN: 278895-R**
Aircraft Tach Time: 4,289.8 **Engine TSMOH: 899.3** **Date: 05/16/2018**

Complied with all routine 12 month service and inspection items in accordance with the current Cessna P 210 and Continental Maintenance Manuals. Compression test results: 1: 74/80, 2: 76/80, 3: 72/80, 4: 76/80, 5: 70/80, 6: 74/80. Engine oil system serviced with Phillips 20W50 Oil. Replaced Oil Filter CH 48109-1 with new and cut open old filter to inspect with no defects noted. Researched current and past AD's for Compliance (see separate log for details). I certify that this engine was inspected in accordance with an annual inspection per FAR 43 appendix D and is found to be in airworthy condition at this time.

[redacted]

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 1/03/2020; Aircraft: N152BT; Type: P210N; S/N: P21000486; Hobbs: 3116.70; Tach: 4317.20; Total Time: 4317.20
Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the P210N Maintenance Manual.
*Performed a Differential Compression Check with the following results: Cylinder #1 62/80, Cylinder #2 50/80, Cylinder #3 67/80, Cylinder #4 55/80, Cylinder #5 64/80, Cylinder #6 60/80.
*Checked the Magneto Timing.
*Cleaned, gapped, and tested the spark plugs.
*Lubricated the engine controls and slip joints after cleaning.
*Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1 torqued and safetied. Added 9 quarts of Aeroshell 15W-50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
*Removed, inspected, cleaned, and reinstalled fuel servo inlet filter.
*Complied with AD81-23-03R2, Engine Exhaust System Integrity in reference to SIL82-3 para (B) with no defects noted. Next inspection due at 4367.2 hrs Tach.
*Cleaned and rebonded the CDT wire harness pad to the back of the intercooler.
*Removed corrosion from the wastegate turbo mounting bracket and treated, painted with high temp paint.
*Removed the heat shield for the induction tube #3 & #5 and cleaned the corrosion then painted with high temp paint.
*Drilled out a broken nut plate at the rear right cowl aft channel attachment and riveted a new nut plate p/n MS21059L3.
*Installed one new spark plug p/n RHB32S at the #1 cylinder.
I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: [redacted]
Date: 01/03/2020; W/O: 117234
Infinity Aviation Services LLC
[redacted]

Twin Oaks Aircraft Maintenance, LLC

Date: **2/24/2020**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**; Propeller S/N: **803335**; Tach: **4347.2**; ETSMOH: **1115**

Change oil and fitler, open filter and check for contamination, found clean, took and sent sample, service with 10 qts. Shell 15W50 and check for leaks.

[redacted]

Twin Oaks Aircraft Maintenance, LLC

Date: **2/24/2020**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**; Propeller S/N: **803335**; Tach: **4347.2**; ETSMOH: **1168.5**

Change oil and filter, open filter and check for contamination, found clean, took and sent sample, service with 10 qts. Shell W 100 and check for leaks.

[redacted]

Twin Oaks Aircraft Maintenance, LLC

Date: **5/29/2020**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**; Propeller S/N: **803335**; Tach: **4422.8**; ETSMOH: **1190.6**

Change oil, service with 10 qts. Shell W 100 and check for leaks.

[redacted]

Twin Oaks Aircraft Maintenance, LLC

Date: **7/15/2020**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**; Propeller S/N: **803335**; Tach: **4444.6**; ETSMOH: **1212.4**

Change oil and filter, open filter and check for contamination, found clean, took and sent sample, service with 10 qts. Shell W100 and check for leaks.

[redacted]

Twin Oaks Aircraft Maintenance, LLC

Date: **11/25/2020**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**; Propeller S/N: **803335**; Tach: **4475.1**; ETSMOH: **1242.9**

Completed annual inspection per service manual and FAR 43 appendix D. Change oil and filter, open filter and check for contamination, found clean, took sample and sent, service with 10 qts. Shell W100 oil and check for leaks. Compressions: #1- 72/80, #2- 70(rings)/80, #3- 70/80, #4- 78/80, #5- 76/80, #6- 70/80. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

[redacted]

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 →					
					Twin Oaks Aircraft Maintenance, LLC Date: **8/31/2021**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**, Propeller S/N: **803335**; Tach: **4604.2** Change oil and filter, open filter and check for contamination, found clean, took sample and sent, service with 10 qts. Shell W100 oil and check for leaks. [redacted]
					Twin Oaks Aircraft Maintenance, LLC Date: **12/8/2021**; Registration: **N152BT**; Make/Model: **Cessna/P210N**; S/N: **P21000486**; Engine: **Continental TSIO-520-P**; Engine S/N: **278895-R**; Propeller: **McCauley D3A34C402/90DFA-10**; Propeller S/N: **803335**; Tach: **4618.8**; ETSMOH: **1386.6** Completed annual inspection per service manual and FAR 43 appendix D. Change oil and filter, open filter and check for contamination, found clean, took sample and sent, service with 10 qts. Shell W100 oil and check for leaks. Compressions: #1- 74/80, #2- 60(rings)/80, #3- 66/80, #4- 60/80, #5- 72/80, #6- 78/80. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition. [redacted]

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 →					

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Date	

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CONTINENTAL MOTORS

A Teledyne Technologies Company

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FORM No. ELB-01

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LIFETIME