

ASA-SE-2

Engine Record General Information

Manufacturer Teledone Continental	Motors Model IO-52	0-ECD/0-470-50
Manufacturer Teledone Continental Serial 215908-R	Type Certificate	E5CE
This engine is currently installed in airc $5erial # 31515$	raft: Cessna 180	Reg. N 4617 B
Minimum Octane Fuel /00	Oil Grade Summer	Winter
Magneto Time 22° BTDC	Point Setting	Firing Order
Spark Plug Gap		
Manufacturer's Recommended Overhau	l at <u>2000</u> hours	

Notes

Date: 4-8-2010 Aircraft # N4617B Serial # 215908-R

Tach: 579.0 Total Time: 540 SFRM SMOH: 00.0

Comments:

New Parts used in overhaul:

657175 Crank Gear TCM

SA646591-A1 Main Bearings K090072747 CR 10-15-09

SA630826 Connecting Rod Bearings H090072114 Rev J 8-24-09

SA628109 Rod Nuts H090072056 REV G 8-13-09

SA629340 Rod Bolts A080061975 REV G 1-22-08

SA536379 Crank Gear Bolts J090072265 REV F 9-9-09

630046 Piston Pins & Plugs TCM

AEC631397 ECI Titan Cylinder #1 Serial # 650024-24, #2 64965-10, #3 65148-27,

#4 64965-07, #5 65148-12, #6 65014-17

Prepared By: Stephan Pierce

Certification #2852926 A&P

Date: 4-8-2010

Aircraft#

N4617B

Serial # 215908-R

Tach: 579.0

Total Time: 540 SFRM

SMOH: 00.0

Comments:

Logbooks for this engine were lost but from airframe records it had accumulated approximately 540 hours since factory remanufacture by Teledyne Continental Motors on 4-21-1998. A core sample from the crankshaft flange was taken IAW Master Service Bulletin 00-5 and sent to TCM and on 6-9-2009 it was determined that the Metallurgical structure of the crankshaft was acceptable and in compliance with MSB00-5 and AD 2000-23-21.

Engine was converted from an IO-520-E to an IO-520-ECD IAW TCM Service Bulletin M75-6, Rev. 1 and subsequently the fuel injection system removed and engine modified to operate with a carburetor IAW P. Ponk Aviation STC SE4988NM.

Engine disassembled for overhaul. Crankshaft, connecting rods, cam shaft, lifters, rocker arms and all internal steel was overhauled by Aircraft Specialty Services under work order 176686. Reciprocating parts were balanced by Barrett Precision Engines under work order 10949. Crankcase overhauled by Divco under work order 93849. Engine was reassembled IAW TCM Overhaul Manual X30039A and P.Ponk Aviation STC SE4988NM using all new standard main and rod bearings, rod nuts and bolts, new ECI Nickel cylinder assemblies with equal weight pistons and pins, new rocker shafts, crank and cam bolts, seals gaskets and locking devices. Carburetor prt# 10-4893-1 was modified per STC SE4988NM and overhauled by Avstar Fuel Systems under work order 109381. Magnetos were checked and found in compliance with all ADs thru 2010-07/08. Propeller governor was overhauled by Wings West Governor under work order WW21753. All ainworthiness directives checked, see AD Compliance Record this date. Installed F&M oil filter adapter C6LC-S IAW STC# SE09356SC. Replaced air filter element. Serviced with 11 quarts of Aeroshell 100 mineral oil, ran and checked for leaks. None found. I certify this engine for return to service.

Prepared By: Stephan Pierce

Certification # 2852926 A&P

High Plus

erations mber of

entries.)

YEAR	RECORDING Tach Time	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endor	spections, Tests, Repairs sed with Name, Rating and Cer Facility. (<i>See</i> back pages for oth	tificate Number of
DATE						
6/15/0	597.5			OIL Conge	Prim Zit 50 Ca	Na-
7/12/0	618,4	•		0,00h	Phh 20/50 C	man // /
9-7-11	720.7			Completed 100	hr. inspection, a	angel of and
filter.	Serviced	$\int \omega /$	Phillips	20 w 50 XC	and Com guard. Re	placed an litter
Clean	ed and a	RABOU	garl	slugs, Adiast.	al mag telning 1	Poplaced harrism
on G	A hard	exh		K. a. I certify	that this en me w	13 IA/V andOO
hr. in	spection	1º Co	enperessio	ns all 75 /8	or better.	
	7			A A	2851976 ASI	<u>Q</u>
Date	: 10-1-2012		Aircraft	# N4617B	Serial # 215908-R	
Tact	n: 790.1		Total Ti	ime: 759.1 SFRM	SMOH: 219.1	2 2
Com	ments:					
		Inspection	n this data AF	e checked soo AD Co-	nlianes Daniel (1984) A 10 D	
and	gapped spark	nispection ≀ plugs. A	djusted magn	eto timing. Checked cylin	pliance Report with A/C Record der compressions, all 70/80 or b	s. Cleaned
Cha	inged oil and f	filter. Serv	riced w/20w50	XC and Camguard. Rep	aced exhaust nut on #6 and che	ecked
torq	ue on all exha	aust and ir	ntake flanges.	Cleaned engine, ran and	checked for leaks. "I certify that	at this
eng	ine has been i	inspected	IAW a 100 hr	. inspection and was four	nd to be in an airworthy conditio	n."

Certification #2852926 A&P

Prepared By: Steve Pierce

YE/	Completed 100 Hr. Inspection this date. Checked compression, #1-74/80, #2-68/80, #3-77/80, #4-76/80, #5-76/80, #6-76/80. Changed oil and filter. Cleaned and gapped spark plugs and replaced gaskets. Adjusted magneto timing. Removed carburetor to facilitate gascolator removal. Checked ADs, see AD Compliance Checklist. Cleaned engine and ran up to check for leaks, none found. "I certify that this engine has been inspected IAW a 100 hr. Inspection and was found to be in an airworthy condition."
	Steve Pierce 2852926 A&P
	Continental O-470-50 SERIAL# 215908R TACH 901.4 SMOH 330.4 4-14-2015
	Completed 100 Hr. Inspection this date. Checked compression, all cylinders except #2 & 4 were 74/80 or better. Removed cylinders #2 & 4. Replaced exhaust valve guide and dressed valve Exchanged cylinder #4 with rebuilt unit from LyCon. Changed oil and filter. Installed new fine wire spark plugs. Adjusted magneto timing. Removed carburetor and had jetted and new style float installed by LyCon. Checked ADs, see AD Compliance Checklist. Cleaned engine and ran up to check for leaks, none found. "I certify that this engine has been inspected IAW a 100 hr. Inspection and was found to be in an airworthy condition."

Compression 75/80 or better (all cyls). Plugs cleaned and tested, Engine oil changed, & serviced with Phillips 11 Qts. 20/W50 & CH48108-A1 filter LH, exhaust stack removed, repaired, & reinstalled. Replaced engine air filter with new bracket PN# 8005. Engine Controls ckd for security and ease of operation. Fuel Strainer Cleaned & resealed .All Current AD's CW. This engine has been inspected IAW 100 hr inspection found to be airworthy this date. Ted Fenton A P 3665731 03/23/2016 TACH: 990.0 HRS SMOH: 419.0 HRS N4617B I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE AIRWORTHY. PHILIP D. CHAFFEE A&P 1990828 IA	03/23/2016	Tach 990.0	SMOH 419.0	N4617 B	ations er of atries.)
LH, exhaust stack removed, repaired, &reinstalled. Replaced engine air filter with new bracket PN# 8005. Engine Controls ckd for security and ease of operation. Fuel Strainer Cleaned & resealed .All Current AD's CW. This engine has been inspected IAW 100 hr inspection found to be airworthy this date. Ted Fenton A P 3665731 03/23/2016 TACH: 990.0 HRS SMOH: 419.0 HRS N4617B I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE AIRWORTHY.	Compression 75/	80 or better (all cyls)). Plugs cleaned and to	ested,	
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with new bracket PN# 8005. Engine Controls ckd for security and ease of operation. Fuel Strainer Cleaned & resealed .All Current AD's CW. This engine has been inspected AW 100 hr inspection found to be airworthy this date. Ted Fenton A P 3665731 03/23/2016 TACH: 990.0 HRS SMOH: 419.0 HRS N4617B I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE AIRWORTHY.					
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I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE AIRWORTHY.	_		tion found to be airw	orthy this date.	
	I CERTIFY THIS ENC	GINE HAS BEEN INS VAS DETERMINED T	PECTED IN ACCORD OF BE AIRWORTHY.	ANCE WITH AN ANNUAL	

YEAR		RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
DATE		TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
	Cont	inental O-	470-50 \$	SERIAL# 215	908R TACH 998.8 SMOH 427.8 12-14-2016
	Repla	ced vacuu	ım pump	. Changed	oil and filter. Ran up to check for leaks, none found.
		Pierce 28			A la control reality, mone round.
		08/17/20)17		Tach 1055.2
		Right and	l left ma	gnetos Exch	nanged with overhauled units ,
		from Qua	ality Airc	raft Accesso	ories.
				025444 & #	
				gine, test ru	
		Engine Oi	il And Fil	ter Change	d, Serviced With 10 Qts. Phillips 20/50 XC
		And Tem	pest AA	-48108-2 F	ilter. Engine Test Run, No Leaks Found
			TH		rest Run, No Leaks Found
			10	a	Ted Fenton AP 3665731
	,				

EAR	02/20/2018	Tach 1079.5	SMOH 508.5	N4617B	d Alterations ate Number of pecific entries.)
ATE	Compression #1	75/80 #2 79/80	#3 73/80 #4 73/80	#5 71/80 #6 72/80	——————————————————————————————————————
				I. For Cracks And Burn	
			Serviced With 10 Qts		
			ols checked for Secu		
			lo Leaks found. I cert		
			100 Hr Inspection ar		
	Airworthy this d		100 m mspection at	ia was round to be	
		4			
	- led	Veylor	Ted	Fenton A P 3665731	
	_				
	02/20/2018 TACH: 1	079.5 HRS SMOH:	508.5 HRS	N4617B	
	I CERTIFY THIS EN	GINE HAS BEEN IN	SPECTED IN ACCOR	DANCE WITH AN ANNI	UAL ———
	INSPECTION AND	VAS DETERMINED	TO BE AIRWORTHY		
	Me	lis d. Chil	FHILIF D. CH	AFFEE A&P 1990828 1	Α
		/ //			

E	02/21/2019	Tach 1121.9	SMOH 550.9	N4617B	l Alte
	compression #1	77/80 #2 75/90	#2 70/00 #4 74/00	WF 70 /50	ecific
	Compression #1	27/00 #2 75/00	#3 70/80 #4 74/80	#5 70/80 #6 71/80	
	Plugs Cleaned. C	iappeu and rested.	Both Muffler Cans R	eplaced With New	
			n New Hardware. En		
			roshell W-100 & Oil I		
			d With New Part # B		
	Engine Controls	checked for Securi	ty and Ease of Opera	tion. Engine Test Bug	
	Good No Leaks f	ound. I certify this	engine has been insp	pected in accordance	
			und to be Airworthy		
	1	1 F			
	Lei		Ted	Fenton A P 3665731	
				J.	
	02/21/2010 75	I I	4011 44 0 0 HDC	N4617B	
	1 CERTIFY THE	CH: 1121.9 HRS SN	AOH: 550.9 HRS En inicdected in AC	CCORDANCE WITH AN	ANNU
	INSPECTION A	ND WAS DETERMI	NIED TO DE AIDWOD	THY. P.D. CHAFFEE A&P 19	
				0.00	10074

DATE	TACH TIME	FLIGHT	SERVICE				Name, Rating an See back pages f			
4-4-19	1152,0			0,1 + 3	6-64	duma	100 Jal	1 14-	1/	1192
•					6	a for				
8-11-19	1194.2			0,6 +	ph	de A	m 17.		11	Q+
-		ا کدی		1 54.7055		•	ne Log			
-				l Airport ka, Ks 66616		N461 IO-52	г/в 20-ECD/O-470-!	50		
- 4	ilespex A	riation Inc.	•	M12R006L			215908-R	.		
_			W.O. i	#20-6055		04-01	1-2020			
-): 655.7 HRS			H: 1234.7 HRS			
							TER. REMOVED			
GAPP	ED, TESTED,	& ROTA	TED ALL SP	ARKPLUGS.	REINSTA	ALLED WITH	I NEW GASKET	S. DRAIN	IED OIL	_

REMOVED FILTER AND INSPECTED FOR METAL, NO METAL NOTED, INSTALLED NEW FILTER, SERVICED ENGINE WITH 11 QTS OF 15/50 AEROSHELL. REMOVED LH & RH EXHAUST, HAD REPAIRED BY ASW 1EA

TOTAL

TODAY'S

YEAR

RECORDING

AIRWORTHY CONDITION.

COLLECTOR WO 190728, 6EA MISC 1-ER RISERS-FAB NEW, 6EA PN 07501300-31 CLAMP CESSNA 180, INSTALLED REPAIRED LH & RH EXHAUST WITH NEW GASKETS, TORQUED ALL FASTENERS, INSTALLED MUFFLERS. OPS & LEAK CK GOOD, LOCATED & DRILLED HOLES IN STACKS FOR EGT PROBES, INSTALLED PROBES. INSTALLED NEW #5 & 6 CYL EXH. STUDS 3EA PN 657985-39P003 & 1EA PN 657985-1.38. REMOVED #6 CYLINDER FUEL PRIMER LINE. REMOVED & RE-FLARED TUBE. INSTALLED SERVICEABLE FITTING. INSTALLED #6 CYLINDER PRIMER LINE. OPS CHECK GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN

PN 0750290-23-R CESSNA 180 LH COLLECTOR WO 190727, 1EA PN 0750290-24-R CESSNA 180 RH

RE-FLARED TUBE. INSTALLE NE. OPS CHECK GOOD. I CERT N AND WAS DETERMINED TO KEITH HETRICK

Description of Inspections, Tests, Repairs and Alterations

YEAR RECORDING TACH TIME

TODAY'S FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of
Technician or Repair Facility. (See back pages for other specific entries.)



785.354.7055 Billard Airport Topeka, Ks 66616 R.S. #M12R006L W.O. #20-6105

Engine Log N4617B IO-520-ECD/O-470-50 SN: 215908-R 04-28-2020 TACH: 1240.0 HRS

KEITH HETRICK

INSTALLED NEW #1 EGT PROBE PN P-110-F. REMOVED OIL PRESS ADJ FITTING, INSPECTED PLUNGER & SPRING ASSY, TORQUED & RESAFETIED, REISNTALLED. OPS & LEAK CK GOOD. THIS ENGINE HAS BEEN APPROVED FOR RETURN TO SERVICE.



785.354.7055 Billard Airport Topeka, Ks 66616 R.S. #M12R006L W.O. #20-6197 Engine Log N4617B IO-520-ECD/O-470-50 SN: 215908-R 09-15-2020 TACH: 1256.6.0 HRS

REMOVED, CLEANED, GAPPED, TESTED, & ROTATED ALL SPARKPLUGS. REINSTALLED WITH NEW GASKETS. DRAINED OIL REMOVED FILTER AND INSPECTED FOR METAL, NO METAL NOTED, INSTALLED NEW FILTER, SERVICED ENGINE WITH 11 QTS OF 20/50 PHILLIPS.
THIS ENGINE HAS BEEN APPROVED FOR RETURN TO SERVICE.

KEITH HETRICK

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspe	ections, Tests, Repairs and Alterations
-			785.354	1.7055	Engine Log
		Marie Control of the	Billard A	Airport	Engine Log N4617B IO-520-ECD/O-470-50 SN: 215908-R 05-17-2021 TACH: 1286.5 HRS AT 76/80 OR BETTER. DRAINED OIL REMOVED OTED, INSTALLED NEW FILTER, SERVICED ENGINE AGS. REMOVED, CLEANED, GAPPED, TESTED SPARK MAINING SPARKPLUGS & REINSTALLED WITH NEW OUEL BOWL SCREEN, I CERTIFY THIS ENGINE HAS
- HET	RICK AVI	ATION			
			785.354.7055 Billard Airport Topeka, Ks 66616 R.S. #HN9R720Y W.O. #21-0249 TSMOH: 707.5 HRS N TEST; ALL CYLINDERS AT 76/80 OR BETTER. DRAINED OIL REMOVED R METAL, NO METAL NOTED, INSTALLED NEW FILTER, SERVICED ENGINE IPS X/C. ADJ LH & RH MAGS. REMOVED, CLEANED, GAPPED, TESTED SPARK URHB32S, ROTATED REMAINING SPARKPLUGS & REINSTALLED WITH NEW CARB INLET SCREEN & FUEL BOWL SCREEN, I CERTIFY THIS ENGINE HAS ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY		
the many many		Handamar and			05-17-2021
		w. or	TSMOH	l: 707.5 HRS	TACH: 1286.5 HRS
PERFO	RMED COMP	PRESSIO	N TEST; ALL	CYLINDERS AT 76/80 OF	R BETTER. DRAINED OIL REMOVED
_ FILTER	AND INSPEC	CTED FO	R METAL, NO	D METAL NOTED. INSTAL	LED NEW FILTER SERVICED ENGINE
WIIH 11	1 Q1S OF 20/	/50 PHILL	.IPS X/C. AD.	J LH & RH MAGS. REMO\	ED. CLEANED. GAPPED. TESTED SPARK
– PLUGS,	REPLACED	6EA PN (JRHB32S, R	OTATED REMAINING SPA	ARKPLUGS & REINSTALLED WITH NEW
GASKET	rs. Cleanei	D FUEL C	ARB INLET	SCREEN & FUEL BOWL S	CREEN, I CERTIFY THIS ENGINE HAS
BEEN IN	ISPECTED I/	A/W AN A	ANNUAL INS	PECTION AND WAS DETI	ERMINED TO BE IN AIRWORTHY
CONDIT	ION.			,	N/ ====================================
					human
					KEITH HETRICK
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- Performed 100 Hour/Annual Inspection I/A/W FAR 43 Appendix. D. All work was performed I/A/W applicable Cessna 100 series Maintenance and Continental Overhaul manuals.
- Checked ADs through ATP revision dated 6/25/2022, see AD Compliance Report in aircraft records.
- C/W AD 2022-04-04 I/A/W F&M Enterprises, Inc. Mandatory Service Bulletin SB-001 Rev B. Reinstalled W/New (2 each) MS35769-48 gaskets, torqued to 65 Foot LBS, double safety wired, and applied orange 83314 torque seal. Installed new Tempest AA48108-2 oil filter and safety wired. Starter was removed, cleaned, and reinstalled W/New O-ring W/New P/N AS3578-038 for access. Final engine run and leak checks were good.
- Performed engine run to normal operating oil temperature. Performed cylinder compression tests; #1 71/80, #2 62/80, #3 *16/80 exhaust valve leakage, #4 78/80, #5 50/80 exhaust valve leakage, #6 *2/80 exhaust valve leakage. Borescope inspection found burnt exhaust valves and delamination of ECi cylinder CermaNil plating on #6 cylinder.
- Drained engine oil. Took oil sample and provided to owner. Removed and inspected oil filter, minor iron contaminates were noted in filter.
- Propeller was removed for overhaul and reinstalled, see propeller logbook.
- Replaced crankshaft seal W/New P/N 641250. Installed W/PLYOBOND.
- Removed oil cooler and adapter plate, all 6 cylinders and all lifters. Flushed and cleaned oil sump W/Minerai Spirits and drained oil cooler.
- Removed engine oil pressure relief valve, cleaned, inspected, reinstalled and re-safety wired.
- Inspected, bled, cleaned, lubricated, and reinstalled passing lifters. Found #6, 4, and 2 exhaust lifters P/N 658077, #3 and 4 intake lifters P/N 658088 faces are pitted. P/Ns stamped on the liters are 653888 intake and 653877 exhaust. Not affected by AD 2009-24-52. Cam inspection found no obvious galling. Replaced #2, #4, and #6 exhaust lifters W/New (3 each) P/N 658077. Replaced #3 and #4 intake lifters W/New (2 each) P/N 658088.
- Installed 6 repaired cylinder kits from PAP repaired on W/O 4403 dated 6/15/2022, see tags. Installed W/New supplied piston pins, rocker shafts, pistons, rings, and gaskets. Torqued all I/A/W Continental 520 series OVH Manual.
- Reinstalled oil cooler W/New gaskets (1 each) P/N 652079 and 654554. Torqued nuts and bolts to 85 Inch LBS.
- Completed assembly of valve train and dry tappet clearance check.
- Reassembled/reinstalled engine related baffles and components to engine.
- Magneto to engine timing checks were good at 22° BTC. No adjustment needed.
- Cleaned, inspected, tested, and reinstalled all spark plugs W/Annealed gaskets.
- Cleaned all 5 primer nozzles in acetone and reassembled primer system. Torqued nozzles to 60 Inch LBS.
 "Continued Next Page"

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- Replaced oil quick drain valve W/New P/N S6250.
- Serviced engine W/12 Quarts Aeroshell 100 Mineral oil due to engine oil sump, oil pressure valve, and oil filter adapter
 was completely drained of oil and cleaned. New AA48108-2 was installed during removal and reinstall of oil filter adapter.
- Performed engine pre-oil procedure and prepared for engine run.
- Performed engine run for 4 minutes. Oil pressure and leak checks were good. Performed additional run to full RPM. Leak
 and operational checks were good.
- Owner performed 1 hour 75% power flight test.
- I certify that this Engine was inspected I/A/W a 100 Hour/Annual Inspection and was determined to be in airworthy condition.

William Dorothy A&P 3504028 IA

6/27/2022 Tach. 1346.0, TSOH 765.0/4-8-2010, TSTOP 2.0

N4617B Engine Log Entry

Removed engine cowl and drained engine oil after 2-hour engine cylinder break in. Filter not changed at this time. Visual inspection noted no oil leaks.

Serviced engine W/10 Quarts Aeroshell 100 Mineral Oil. Reinstalled engine cowling.

William Dorothy A&P 3504028 TA

- · Removed engine cowl. Drained engine oil and removed oil filter. Inspection of oil filter found no abnormal contaminates Took Blackstone oil sample and provided to owner.
- Serviced engine W/10 Quarts Aeroshell 100 Mineral Oil and Tempest AA48108-2.
- Completed ICA of oil filter adapter I/A/W Stratus Tool Technologies MSB-001 Rev B. step (4.d). Inspection noted no oil leaks, movement, or torque putty disruption.
- Replaced left, front, upper inter-cylinder baffle support W/New P/N AF0851700-96.
- Performed engine run. Operational and leak checks were good.

Reinstalled engine cowling.

wallendsa William Dorothy A&P 3504028

10/4/2022 Tach. 1371.4, TSOH 790.4/4-8-2010, TSTOP 27.4

N4617B Engine Log Entry

- Removed engine cowl. Drained engine oil and removed oil filter. Inspection of oil filter found no abnormal contaminates.
- Took Blackstone oil sample and provided to owner.
- Performed cold compression test: #1 75/80, #2 75/80, #3 73/80, #4 70/80, #5 70/80, #6 70/80.
- Serviced engine W/10 Quarts Aeroshell W100 Plus Oil and Tempest AA48108-2.
- Completed ICA of oil filter adapter I/A/W Stratus Tool Technologies MSB-001 Rev B. step (4.d). Inspection noted no oil leaks, movement, or torque putty disruption.
- Tensioned alternator drive belt and re-safety wired.
- Corrected loose wire connection at #1 EGT probe. Operational check was good.
- Performed engine run. Operational and leak checks were good.

 Reinstalled engine cowling Tellem Coca

William Dorothy A&P 3504028

11/30/2022 Tach. 1372.7, Total Time	e 4283	283	3.
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N4617B Airframe Log Entry

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- Performed engine run and verified #3 EGT indication is erratic.
- Removed top cowling and replaced #3 EGT probe W/New P/N RP-3522.
- Reinstalled top cowling and performed engine run. Operational checks were good.

William Dorothy A&P 3504028 IA

3/27/2023 Tach. 1395.9, TSOH 814.9/4-8-2010, TSTOP 51.9

N4617B Engine Log Entry

- Removed engine cowl. Drained engine oil and removed oil filter. Inspection of oil filter found no abnormal contaminates.
- Took Blackstone oil sample and provided to owner.
- Serviced engine W/10 Quarts Aeroshell W100 Plus Oil, 12 Oz. AVBLEND and New Tempest AA48108-2 oil filter.
- Completed ICA of oil filter adapter I/A/W Stratus Tool Technologies MSB-001 Rev B. step (4.d). Inspection noted no oil leaks, movement, or torque putty disruption.
- Repaired broken wire connection at #4 CHT probe and replaced #2 EGT probe W/New P/N RP-3522.
- · Performed engine run. Operational and leak checks were good.

Reinstalled engine cowling

William Dorothy A&P 3504028

William Non



- Performed 100 Hour/Annual Inspection I/A/W FAR 43 Appendix. D. All work was performed I/A/W applicable Cessna 100

 Performed and Continental Overhaul manuals. series Maintenance and Continental Overhaul manuals.
- series Maintenance and ATP revision dated 7/22/2023, see AD Compliance Report in aircraft records.

 Checked ADs through ATP revision dated 7/22/2023, see AD Compliance Report in aircraft records.
- Checked ADs through AT Total operating oil temperature. Performed cylinder compression tests; #1 75/80, #2 72/80, #3 73/80, #5 73/80, #6 74/80. 77/80, #4 72/80, #5 73/80, #6 74/80. 77/80, #4 1200, #5 1500 il sample and provided it to owner. Removed and inspected oil filter, no iron contaminates

 • Drained engine oil. Took oil sample and provided it to owner. Removed and inspected oil filter, no iron contaminates
- Drained engine oil. Took oil outside inspection of filter for suspect bronze contamination per last oil sample report. Found some fine bronze particles in the bottom of the oil filter can. some line biolized parameters for inspection of connecting rod piston pin bushings. Visual inspection found #4 and #3
- connecting rod bushings are in place W/No suspect movement noted. Bore scope inspected #2, 1-, 5-, and 6 connecting rod, piston pin bushings. All looked good except for #2. #2 connecting
- rod piston pin bushing had noticeable movement out of place. • Removed #2 cylinder and piston. Found #2 connecting rod, piston pin bushing worked out of place.
- Removed #2 connecting rod for repairs with Aircraft Specialties Services.
- Magneto to engine timing checks were good at 22° BTC. No adjustment needed.
- Cleaned, inspected, tested, and reinstalled all spark plugs W/New M674 gaskets.
- Removed engine oil quick drain valve and cleaned residual oil from bottom of sump W/Mineral spirits and wiped clean.
- Reinstalled quick drain valve and safety wired. Reinstalled #2 connecting rod after repairs by Aircraft Specialties Services on W/O #279957, see FAA 8130-3 tracking

- number ASI-194950 dated 18 JUL 2023. Installed W/New standard bearings (2 each) P/N SA630826, (2 each) SA62934
- Bolts, and (2 each) SA628109 Nuts. Torqued each bolt to 39 FT LBS I/A/W current Appendix B of M-0, Standard Practice
- Reinstalled #2- and #4-cylinders W/New base O-rings (2 each) P/N SSR641066 and intake gaskets (3 each) P/N Maintenance Manual and installed new cotter pins.
- SSR536413. Torqued 2- and #4-cylinder base nut I/A/W Appendix B of M-0, Standard Practice Maintenance Manual. Completed engine baffle and exhaust reinstallation. Reinstalled left fuel primer lines and leak checked. Torqued all side spark pluge and a spark pluge and spark plugs and serviced engine W/11 Quarts Phillips XC 20W50 oil and new AA48108-2 oil filter. Reinstalled EGT/CH probes and wiring
- probes and wiring. Completed ICA of oil filter adapter I/A/W Stratus Tool Technologies MSB-001 Rev B. step (4.d).
- Continued Next Page"

 engine shock mount be Performed engine run t Reinstalled engine cow I certify that this <u>Engine</u> 	ilts. o normal operating lina.	temperature and then to full th	unt bolts loose/under torqued. Retorqued all rottle. Operational and leak checks were good. on and was determined to be in airworthy
condition.	buth		
William Dorothy A&P 350	4028 IA		
7/26/2023 Tach. 1406.	8, TSOH 827.8/4-8	-2010, TSTOP 62.8	N4617B Engine Log Entry
 Detailed inspection of 	oil filter found very	oil and removed oil filter. I little bronze, and no iron conta	aminates. ND and New Tempest AA48108-2 oil filter.
	a. Operational and lowling.	leak checks were good.	and New Tempest 700-2 on filter.
William Dorothy A&P 35	504028		-

- Performed 100 Hour/Annual Inspection I/A/W FAR 43 Appendix. D. All work was performed I/A/W applicable Cessna 100
- Checked ADs through Veryon revision dated 8/11/2024, see AD Compliance Report in aircraft records.
- Removed complete engine cowling and performed engine run to normal operating oil temperature.
- Hot cylinder compression test results were #1 70/80, #2 74/80, #3 73/80, #4 68/80, #5 75/80, #6 72/80.
- Drained engine oil. Took oil sample and provided it to owner.
- Removed and inspected oil filter, no abnormal contaminates noted in filter.
- Completed ICA of oil filter adapter I/A/W Stratus Tool Technologies MSB-001 Rev B. step (4.d).
- Installed new Tempest oil filter P/N AA48108-2 and safety wired.
- Serviced engine W/10 Quarts Aeroshell W100 Plus oil and 12 OZ AVBLEND.
- Magneto to engine timing check was good at 22° BTC.
- Removed all spark plugs, cleaned and inspected. Reinstalled W/New M674 gaskets and torqued to 29 FT lbs.
- Performed engine run to normal operating temperature and then to full throttle. Operational and leak checks were good. Reinstalled engine cowling.
- certify that this <u>Engine</u> was inspected I/A/W a <u>100 Hour/Annual Inspection</u> and was determined to be in airworthy condition

William Dorothy A&P 3504028 IA