



Transport
Canada

Transports
Canada

TP 14058E
(03/2003)

Airframe Log

TC-1000/08



Canada

Section 1: Record of maintenance and elementary work

Date	Total air time	Total	Details of task
May 16, 2018		C-GLKX	Brant Aero
Cessna 340A 340A1221	4038.4	TTAF	Quality Maintenance and Avionics Since 1972
Continental TSIO 520 NB, SN:521348 (Left)	972.8	TTSO	Approved Maintenance Organization AMO#10-74
Continental TSIO 520 NB, SN:228388-H (Right)	972.8	TTSO	
McCauley 3A32C515, SN:972269 (Left)	233.0	TTSO	
McCauley 3A32C515, SN:972272 (Right)	233.0	TTSO	
<u>Inspections</u> ➤ Annual inspection complied with IAW CAR's 625 app b part 1 & app C compliant inspection report. ➤ Re-certified Altimeter UI 5034P-P4, SN:15612 in accordance with Chapter 571 Appendix B section b, pages 29-33 of the Airworthiness Manual. ➤ Re-certified Transponder Bendix/King KT 76A in accordance with CARs CH. 571 APP. F I certify the pressure static system has been inspected & tested in accordance with chapter 571 Appendix B, sec. a&b of the airworthiness manual. Transponder/Encoder correspondence test performed to 30,800 Ft in accordance with airworthiness manual chapter 571 Appendix F System Re certified, log book entries complied with. ➤ Recertified Artex ELT 345 406 ELT, SN 267-04305 L.A.W. MFR's Manual# Artex ELT 345 Description, Operation, Installation and Maintenance Manual Y1-03-0282 Rev. H. Re-certified ELT L.A.W. C.A.R.S. Ch. 571 Appendix G, a, c.			
<u>Snag Rectification</u> ➤ Removed both oil filters and inspected. Found No metal in filters. Re installed new CH48108-1 oil filter on right engine torqued and safe tied. ➤ R/H engine moto stats: 1. 75/80, 2. 70/80, 3. 72/80, 4. 74/80, 5. 72/80, 6. 70/80. ➤ Re installed repaired Left engine Model TSIO 520 N, SN:521348 Cessna 340 MM. Torqued engine mount bolts to 350 in-lbs. All wires, lines, hoses and components removed re installed. Left prop re installed. ➤ Five new cylinder kits PN:SA52006-A22P installed at repair facility. ➤ Re installed overhauled left prop governor PN:DCFS290D9B/T3, SN:980311. Control re connected and movement checked, OK. ➤ Re-installed left prop S/N: 972269 after flushed by Hope Aero. Torqued to 50 ft/lbs. Installed IAW Cessna Model 340 Service Manual Section 10-propeller on to left engine. Prop track checked. ➤ Jack aircraft. Removed left and right forward and aft landing gear pivot bolts. Bolts inspected. All pins have wear marks on them. Customer advise to re install. Re installed pivot pins in original position with new roll pins and safety. Swing gear 5 fault free times. ➤ Re-checked the mag timing on the right engine. L Mag is 20.9degrees and R Mag is 21.2degrees. ➤ Cleaned the R/H and L/H engine during the 100 hour inspection and cleaned under both wings. ➤ Removed left and right alternators. Installed new alternator clutches on each. Left p/n 646655 s/n 110811 right p/n 646655 s/n 110812. Installed alternators with new gaskets. ➤ Completed lubrication of both turbo waste gates with mouse milk. ➤ Fill left and right engine with Phillips 20W50 XC oil. ➤ Cleaned and lubricated both O/B aileron bearings with LPS2. ➤ Replaced left and right engine air filter with new item PN:P128156. ➤ Complied with US2000-01-16 AD part B (visual inspection), C (remove tail pipes and visually inspect) and E (pressure test) on the right and left engine. No faults found. ➤ Clean, inspect, gaped and tested left and right engine spark plugs. Re installed plugs with new gaskets and torqued to 30 ft/lbs. ➤ Removed fuel cell cover on top right wing for inspection. Cleaned fuel stains and installed new cover gasket P/N: 5026014-1 and re-installed fuel cell cover. ➤ Removed fuel cell cover on top right wing for inspection. Cleaned fuel stains and installed new cover gasket P/N: 5026014-1 and re-installed fuel cell cover. ➤ Topped up oxygen to 1800 psi. ➤ Hooked up pressurization cart. Set up aircraft as per instructions. Pressurized aircraft. Found a leak coming from lower left panel of nose baggage compartment. Removed panel and found the retraction boot for the nose linkage leaking heavily. Also found the duct between heater and ram air valve having a hole in it. Parts replaced on separate snags. Pressurized after replacing defective parts, obtain 4 psi. Re connect all components removed. ➤ Secured two loose clamps on ducting on forward side of fire wall in nose baggage. ➤ Cap tested battery for hard starting, battery OK. Replaced right engine starter P/N MHJ-4003S S/N G051192 with overhauled started (customer supplied) P/N 646275-1 S/N H-R081558. Inspect and cleaned left and right starter solenoids. ➤ Trim panel on pilot found to be very tight against seat back. When seat was adjusted it would come off. Lowered mounting position by relocating trim mounting anchors lower on there brackets. Anchors installed on .032" aluminum and mounted to seat brackets. Installed seat trim. Found to fit better, not as tight. ➤ Replaced static wick on right horizontal stab outboard. ➤ Right tank trailing edge static wick found tight, L/H trailing static wick was found loose. Removed L H tank trailing edge static wick and re-installed with CR3242-4-4 and CR3242-2 rivets. ➤ Installed GAMI injectors kit s/n 27240 into right engine torqued and installed upper deck lines. Installed rocker cover labels and line flags. Installed GAMI injectors kit s/n 27239 into left engine torqued and installed upper deck lines. Installed rocker cover labels and line flags. System leak checked, no leaks. ➤ Replaced left and right wheel tubes with new item PN:302039402. ➤ Replaced fuse with new AGC5 fuse to rectify left locker light not working. System check OK.			
I have conducted an inspection for conformance to the type for the Flight/Powerplant controls that were affected by the work accomplished under W.O. # 17-29614		The maintenance was performed in accordance with applicable regulations and Brant Aero AMO 10-74. Further	

		Signature	AME or AMO/ACA
May 16, 2018	C-GLKX	Brant Aero	
Cessna 340A 340A1221	4038.4 TTAF	Quality Maintenance and Avionics Since 1972	
Continental TSIO 520 NB, SN:521348 (Left)	972.8 TTSO	Approved Maintenance Organization AMO#10-74	
Continental TSIO 520 NB, SN:228388-H (Right)	972.8 TTSO	Phone: [REDACTED]	
McCauley 3A32C515, SN:972269 (Left)	233.0 TTSO	[REDACTED]	
McCauley 3A32C515, SN:972272 (Right)	233.0 TTSO		
➤ Replaced defective bulb on pilot doom light with new bulb PN:1309. Function checked OK. ➤ Replaced all brake liners with new item PN:RA164-03300. Installed two new shims PN:068-01600. ➤ Replaced defective right nav light bulb with new item PN:WA7512-24, system function checked, OK. ➤ Found crack on tail cone already repaired. Painted with gloss white paint. ➤ Replaced pilots defrost duct with new P/N: CM3211-10B36.0. ➤ Left engine de ice control valve wire broken and found to be too short. Disconnected length of wire at knife splice and installed new length of wire of same size. Soldered wire to de-ice valve. ➤ Disassembled shimmy dampener, cleaned and inspected. No damage found. Reassembled shimmy dampener with new o-rings and serviced with new hydraulic fluid. Re installed shimmy dampener in aircraft. ➤ Corrected play in the L/H MLG upper side brace by installing a shim (P/N: 720013-013). ➤ Tested deice boot using CV-700 and found the boots to be inflating equally and cycling properly. ➤ New nose gear retract rod boot seal p/n: 9910011-1. Spacer: 511130-5 installed IAW AMM. Five fault free gear swings carried out. ➤ Replaced worn duct connecting heater to fresh air inlet with p/n: P612434. Checked serviceable. ➤ Both cable nose steering cable tensions adjusted to 25lbs IAW AMM. Checked serviceable. ➤ Replaced R/H tube with customer supplied P/N: 06-00849 Michelin Airstop Tube 6.50-10 STR. Replaced R/H tire with new P/N: 650X10X8FC3 S/N: 22172101.			
I have conducted an inspection for conformance to the type for the Flight/Powerplant controls that were affected by the work accomplished under W.O. # 18-3104 [REDACTED]		The maintenance described has been performed in accordance with applicable airworthiness requirements [REDACTED] her	

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Date / /	Total air time	Total landings/cycles	Details of task																																																																																								
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➤ Removed melted spiral-wrap off on the EGT and CHT probe wire bundle (tanis bundle has no melted spiral-wrap on it) on right engine. Disconnected cylinder 2,4&6 EGT and CHT probes at ring terminals and put 1ft of fire sleeve onto bundle (Fire sleeve P/N: 2650-12). Re-connected 2,4&6 EGT and CHT probes and covered with fire sleeve. ➤ Seal small hole on R/H engine #2 cylinder bottom spark plug lead rubber seal with silicon. ➤ Replace R/H engine rocker cover gasket with new P/N: 655528. ➤ Corrected the lock wire on the R/H engine tach. ➤ Prevented further chaffing of right engine prop control by securing prop control with silicon. ➤ Corrected R/H engine oil line chaffing on the oil breather scatt hose by applying red RTV between them. ➤ Adjusted cabin door cable tensions and tightened lock nuts. ➤ Applied 1.5 foot on clear leading edge tape to the tip tank.(P/N:09-31615) ➤ Replaced I/B and O/B fuel vent grommets with new P/N: AN931-4-7. ➤ Corrected R/H wing fuel qty. indicator cannon plug lock wire. ➤ Replaced R/H rudder cable with new P/N: 5300400-10. New cable installed IAW Cessna M.M P/N: D930 Section 7. ➤ Cleaned old fuel stain on R/H tip tank pump line and re inspect after running pump. No leaks found. ➤ Adjusted elevator turnbuckles to bring cable tensions to within limits. Installed new turnbuckle clips. ➤ Loose R/H wing I/B fuel pump power cable need secured with clamps. ➤ Replaced the button missing on the lower side of the L/H wing near the fuel bowl with new p/n: BUTTON-3/8. ➤ Removed steps from door and de-rieveted hinges. Match drilled holes in new hinges and installed on steps with cherry max rivets. Cut hinge pins to size and installed steps back onto cabin door. Parts installed, hinge half's on top and bottom step P/N: 5311211-40 and 5311211-41. Hinge pins installed P/N: 20253-2. ➤ Repaired hole in main cabin door seal by filling with RTV3145-30Z GRAY. ➤ Cleaned corrosion off emergency door frame and door. Applied alodine coating. ➤ Corrected loose window tint liner on window aft of emergency door. Only being held by two clamps. ➤ Replaced worn left brake disc with new item PN:RA164000806. ➤ Used epoxy to reapply plexy glass lens to inside of R/H wing tip nav light cover. ➤ Disassembled de-ice light cap and de-soldered broken wire. Soldered existing wire into light socket. Reassembled cap and re installed de-ice light. ➤ Check tight sump bolts on aft end of engine. Re inspect after ground run. No leaks found.																																																																																											
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CHAPMAN AIRCRAFT SERVICE LTD.		
C-GLKX	Cessna 340A	S/N340A1221 4064.3TTAF
L/H Engine TISO-520-NB S/N 521348. Oil filter inspected and found clean, installed new CH48110-2 filter. Added 9Q Phillips 20W50X/C oil. Reinstalled engine cowl. Engine run-up completed. Cowl opened and no oil leaks detected at filter or drain plug and Cowl reinstalled.		
R/H Engine: TISO-520-NB S/N228388-H Oil drained, added 9quarts Phillips 20W50 X/C oil. Engine run-up completed. Inspected connections on #1 CHT/EHG and #5 CHT, connections found tight. Engine run-up completed, <u>found starter adapter slipping on engine start</u> . No others defect noted. no leaks detected at drain plug, access at drain plug reinstalled.		
Airframe: Completed inspection of Janitrol solenoid valve as per AD2004-25-16R1 paragraph (c)1 and (c)2, no defects noted. Reinspect in 100hrs AIRCRAFT TIME IN SERVICE or 12 months.		
The maintenance described has been performed in accordance with the applicable standards of airworthiness.		
F. Chamberlain...		June 6, 2018

Transcribed from Journeylog:

4072.4 TAF 8/6/2016

R/H Tip transfer pump intermittent, unit replaced with new. Leak check carried out. No faults noted. The described maintenance has been c/o IAW the applicable standards of airworthiness -

CHAPMAN AIRCRAFT SERVICE LTD.		
C-GLKX	Cessna 340A	S/N340A1221 4083.9TTAF
L/H Engine TISO-520-NB S/N 521348 Oil filter inspected and found clean. Installed CH48108-1 oil filter and lock wired. Oil change Phillips 20W50 X/C. Checked magneto timing found at 19°BTDC as per engine data plate. Completed AD2000-01-06 paragraph b 50hr inspection of exhaust system, no defects noted, slip joints and waste gate lubricated with mouse milk. Engine air filter inspected, found clean. Completed Engine run-up, no defects noted. Engine air filter inspected, found clean.		
R/H Engine: TISO-520-NB S/N228388-H Oil filter inspected and found 4 Magnetic particles. Installed CH48108-1 oil filter and lock wired. Oil change Phillips 20W50 X/C. Checked magneto timing found at 19°BTDC as per engine data plate. Engine air filter inspected, found clean. Completed Engine run-up completed, Starter drive slipping on startup, no other defects noted.		
Airframe: outboard aileron bearings lubricated. AD2016-17-08 C/W inspection of Elevator trim tab control rod hardware, no defects noted		
The maintenance described has been performed in accordance with the applicable standards of airworthiness.		
F. Chamberlain...		June 15, 2018

CHAPMAN AIRCRAFT SERVICE LTD.		
C-GLKX	Cessna 340A	S/N340A1221 4084.1TTAF
L/H Engine TISO-520-NB S/N 521348 Completed repair of #2 Top ignition lead at magneto due to broken shielding by shortening cable 1/4". Completed Engine run-up, no defects noted.		
R/H Engine: TISO-520-NB S/N228388-H Removed starter drive P/N 642085A4 S/N 602101 and installed 642085A2 S/N CAM16-355 starter drive. Verified that Starter drive is getting good oil flow. Verified that starter is engaging/releasing as per CAM instructions dated Nov 22, 2016. Engine motored over and verified that starter drive disengages properly. Reinstalled hoses and Air filter housing assembly removed for access for starter drive. Reinstalled Starter MHJ-40035 S/N G051192 that was removed May 16, 2018 from this engine. Checked starter output friction and found at 4.5in-lb. Installed 2870 EGT probe S/N 114043 on #1 Exhaust. Completed Engine run-up, no defects noted.		
Airframe: Adjusted friction on nut on Pilots L/H window latch by squeezing and reinstalling. R/H Aux fuel tank defueled, replaced A8150B S/N 05255 Fuel pump with S/N 84282 using two 32448 knife connectors and oen36160 ring terminal. R/H aux fuel tank refueled, leak check carried out, covers reinstalled		
The maintenance described has been performed in accordance with the applicable standards of airworthiness.		
F. Chamberlain...		June 21, 2018

Oil drained and replaced with 11l of Phillips 20W50XC on both left and right engines. Drain plugs reinstalled and lock wired on both engines. Replaced L/H vacuum pump P/N 4420W S/N 175024 with S/N 175022 Engine pump function check completed. No defects found 22/7/2018

Section 3: Record of applicable airworthiness directives, airworthiness limitation, and equivalent mandatory requirements

Reference (e.g., AD #)	Date applicable / /	Compliance threshold	Compliance interval	Brief description or requirement
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Brant Aero
Quality Maintenance and Avionics Since 1972
Approved Maintenance Organization #11
Phone: [REDACTED]
http:// [REDACTED]



C-GLKX, CESSNA 340A. SN:340A1221

Airframe AWD's	Description	Compliance	Date of Compliance	Repetitive "Y" if Repetitive	Next Due
2016 17 08	Elevator Tab control system	CW	04 17 17		110 hrs / 12 mts
2014 03 03	flight into icing condition	NA by SN			
2009-0278	ATA26, fire protection	N/A	-	-	-
2005 01 19	Mode S transponder	Not installed	-	-	-
2004 25 16R1	Fuel reg shut off valve	CW	06/29/17	Y	100 hrs/ 12 mts
2004 21 05	B series combustion heater	C/W	07/26/16	Y	100 hrs/24 mts
2000 01 16	Exhaust system insp	CW	Jun 29, 2017	Y	-
98 25 02	Top mount antenna	N/A		-	-
98 24 14	Exhaust system component	N/A		-	-
98 04 28	AFM- Icing	CW	3 25 98	-	-
97 01 13	Fuel, oil, hydraulic hoses	CW	3 25 98	-	-
96 12 22	Full flow engine oil adapter	N/A	-	-	-
90 02 13	Main landing gear	N/A by SN		-	-
88 03 07	Inspect fuel lines	N/A		-	-
87 21 02 R1	Fuel filler opening	N/A by SN		-	-
82 26 05	Rudder balance wt Rib	CW	2 15 96	-	-
81 07 11 R1	Balance wt support structure	N/A by SN		-	-
80 19 10	deice system in Adverse weather	N/A by SN		-	-
80 13 14	Fuel flow transducers	N/A by SN		-	-
78 14 01	optional storage/Refreshment	N/A		-	-
78 13 05	Improperly installed seats	N/A by SN		-	-
78 11 05	Auto pilot actuator	N/A by SN		-	-
77 06 05	Fire hazard in oxygen system	N/A by SN		-	-
72 03 07	Landing gear failure	N/A by SN		-	-
76 04 03	ARC PA-500A actuator	N/A		-	-

The maintenance described has been performed in accordance with applicable airworthiness directives 10-74. Further details on WO# 17-29614

Dated: 29 June 2017

Signed: [REDACTED]





Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Left

Engine Logbook

TC-1001185



05/2005

Canada

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
				Engine repaired with reference to TCM overhaul manual P/N X30574A. Work accomplished and parts replaced as per attached report. AD97-26-17 complied with. ATC WO# 4992 The described maintenance has been performed in accordance with the applicable standards of airworthiness. Subject to satisfactory test flight: YES[X] NO[] SIGNED _____ Date: May 7 2018
May 16, 2018	C-GLKX 4038.4 TTAF	Brant Aero Quality Maintenance and Avionics Since 1972 Approved Maintenance Organization - AMO#10-74 Phone: _____		Cessna 340A 340A1221 Continental TSIO 520 NB, SN:521348 (Left) 972.8 TTSO Continental TSIO 520 NB, SN:228388-H (Right) 972.8 TTSO McCauley 3A32C515, SN:972269 (Left) 233.0 TTSO McCauley 3A32C515, SN:972272 (Right) 233.0 TTSO
Inspections ➤ Annual inspection complied with IAW CAR's 625 app b part I & app C compliant inspection report. Snag Rectification ➤ Fill left engine with Phillips 20W50XC oil. ➤ Re installed repaired Left engine Model TSIO 520 N, SN:521348 Cessna 340 MM. Torqued engine mount bolts to 350 in-lbs. All wires, lines, hoses and components removed re installed. Left prop re installed. ➤ Five new cylinder kits PN:SA52006-A22P installed at repair facility. ➤ Re installed overhauled left prop governor PN:DCFS290D9B/T3, SN:980311. Control re connected and movement checked, OK. ➤ Re-installed left prop S/N: 972269 after flushed by Hope Aero. Torqued to 50 ft/lbs. Installed IAW Cessna Model 340 Service Manual Section 10- propeller on to left engine. Prop track checked. ➤ Cleaned the L/H engine during the 100 hour inspection and cleaned under both wings. ➤ Removed left alternators. Installed new alternator clutches. Installed alternators with new gaskets. ➤ Completed lubrication of left turbo waste gates with mouse milk. ➤ Replaced left engine air filter with new item PN:P128156. ➤ Complied with US2000-01-16 AD part B (visual inspection), C (remove tail pipes and visually inspect) and E (pressure test) on the left engine. No faults found. ➤ Clean, inspect, gaped and tested left engine spark plugs. Re installed plugs with new gaskets and torqued to 30 ft/lbs. ➤ Installed GAMI injectors kit s/n 27239 into left engine torqued and installed upper deck lines. Installed rocker cover labels and line flags. System leak checked, no leaks.				
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CHAPMAN AIRCRAFT SERVICE LTD. C-GLKX Cessna 340A S/N340A1221 4064.3TTAF L/H Engine TISO-520-NB S/N 521348. Oil filter inspected and found clean, installed new CH48110-2 filter. Added 9Q Phillips 20W50X/C oil. Reinstalled engine cowl. Engine run-up completed. Cowl opened and no oil leaks detected at filter or drain plug and Cowl reinstalled. The maintenance described has been performed in accordance with the applicable standards of airworthiness. F. Chamberlain, _____ June 6, 2018				



WORK REPORT & PARTS LIST- W.O. 4992

L3V0K8

etails of task

FLEX AIR SERVICES INC

OTTAWA, ON

K2S 2H2

Bus

W.O.# 4992

S/N 521348

MAKE TCM

MODEL TSIO-520-N

P.O.#

000000

LABOUR DESCRIPTION

QTY. PARTS DESCRIPTION

DISMANTLE ENGINE AND CLEAN FOR INSPECTION.....

1 SA633570-A5 - GASKET SET.....

1 SA641250 - SEAL, C/S.....

INSPECT ENGINE FOR REPAIR, REFERENCE OVERHAUL
MANUAL.....

1 SA646592-A1M10 - BEARING SET, MAIN.....

1 649898 - CRANKSHAFT, PERMOLD, D/H'd.....

INSTALL NEW ROCKER ARM BUSHINGS AND MACHINE TO
SIZE. REFACE VALVE TIP.....

16 SA639193 - BUSHING, CWT.....

4 SA643626-105 - ROLLER.....

2 SA643626-103 - ROLLER.....

2 SA643626-104 - ROLLER.....

REPAIR CONNECTING ROD(S). INSTALL NEW BUSHINGS
AND MACHINE TO SIZE. CHECK ALIGNMENT.....

16 SA643629 - PLATE, CWT.....

16 SA629104 - RING.....

6 SA530658 - BUSHING, ROD 470/520.....

A.D. 97-26-17 COMPLIED WITH. CRANKSHAFT
INSPECTED AS PER CSB 96-8 AND U/T INSPECTED AS
PER MSB96-108.....

12 SA642398M10 - BEARING, ROD.....

2 SA641909 - LOCKPLATE, ALT DRIVE.....

1 105B-1A-UP - CAMSHAFT, RAM STC.....

6 SA628488 - LIFTER.....

DYNAMICALLY BALANCE ROTATING ASSEMBLY.....

6 SA646277 - LIFTER.....

5 SA52006-A22P - CYLINDER KIT, TSIO-520.....

PARTS REPLACED AS PER ATTACHED. ENGINE REPAIRED
AND ASSEMBLED.....

5 SA630046 - PISTON PIN.....

6 652129 - BUSHING, ROCKER ARM.....

6 SA530129 - BUSHING.....

4 SA638172 - BUSHING, MAG. COUPLING.....

6 SA633958-3 - SEAL.....

2 SA633958-5 - SEAL.....

6 SA640612 - FUEL INJ. NOZZLE PACKING.....

1 632970 - OIL PUMP ASSY.....

1 CH48108-1 - OIL FILTER.....



0 in-lbs. All wires, lines, hoses

- Re-installed left prop S/N: 972269 after flushed by Hope Aero. Torqued to 50 ft/lbs. Installed IAW Cessna Model 340 Service Manual Section 10- propeller on to left engine. Prop track checked.
- Cleaned the L/H engine during the 100 hour inspection and cleaned under both wings.
- Removed left alternators. Installed new alternator clutches. Installed alternators with new gaskets.
- Completed lubrication of left turbo waste gates with mouse milk.
- Replaced left engine air filter with new item PN:P128156.
- Complied with US2000-01-16 AD part B (visual inspection), C (remove tail pipes and visually inspect) and E (pressure test) on the left engine. No faults found.
- Clean, inspect, gaped and tested left engine spark plugs. Re installed plugs with new gaskets and torqued to 30 ft/lbs.
- Installed GAMI injectors kit s/n 27239 into left engine torqued and installed upper deck lines. Installed rocker cover labels and line flags. System leak checked, no leaks.

I have conducted an inspection for conformance to the type for the Flight/Powerplant controls that were affected by the work accomplished under W.O. # 18-31045

The maintenance described has been performed in accordance with applicable airworthiness requirements. Further

CHAPMAN AIRCRAFT SERVICE LTD.

C-GLKX

Cessna 340A

S/N340A1221

4064.3TTAF

L/H Engine TISO-520-NB S/N 521348. Oil filter inspected and found clean, installed new CH48110-2 filter. Added 9Q Phillips 20W50X/C oil. Reinstalled engine cowl. Engine run-up completed. Cowl opened and no oil leaks detected at filter or drain plug and Cowl reinstalled.

The maintenance described has been performed in accordance with the applicable standards of airworthiness.

F. Chamberlain

June 6, 2018

1

Section 4: Record of engine applicable airworthiness directives, airworthiness limitations and equivalent mandatory requirements

Reference (e.g. AD #)	Effective date --/--/--	Compliance threshold	Compliance interval	Description of requirements
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Brant Aero
Quality Maintenance and Avionics Since 1972



C-GLKX, CESSNA 340A. SN:340A1221. Left Engine, TSIO 520 NB, SN:521348

Engine AWD's	Description	Compliance	Date of Compliance	Repetitive "Y" if Repetitive	Next Due
2016 16 12	Cylinders assy	To comply with	1000 hrs eng time	To replace cylinders	-
2014 05 29	SAP replacement parts	N/A			
2012 10 13	Starter adapters	N/A			
2021 03 08	Fuel servo diaphragm	N/A	-	-	-
2010 11 04	Hydraulic lifters	N/A	-	-	-
2009 19 07	EQ3 cylinders	N/A	-	-	-
2007 04 19 R1	SAP cylinder assy	N/A	-	-	-
2004 08 10	Serial #ed cylinders	N/A	-	-	-
2000 23 21	Crankshaft	N/A	-	-	-
99 19 01	# 2 and 5 Crankshaft inspection	N/A	-	-	-
98 01 08	Exhaust roller Rocker arm	N/A			
97 26 17	crank shaft	CW at OH			
96 12 22	Full flow Oil adapter	N/A	-	-	-
93 16 05	Fuel pump drive shaft	N/A			
93 10 02	Missing cylinder valve key	N/A			
93 08 17	Oil pick up tube	N/A			
91 19 03	Oil filter	N/A			
89 24 01 R1	Scavenge oil pump gear	N/A			
88 03 06	Oil filter	N/A			
86 13 04 R3	Cylinder assemblies	N/A			
82 09 01	Fuel pressure regulator	N/A			
81 24 06	Engine driven fuel pump	N/A			
CF2005-40	Non conformance on piston engine	N/A			
80 01 04	Cylinder holddown flange assy	NA			
79 05 09	Oil pump assy or pressure relief screw	NA			
78 06 01	Intake tube PN:642590	NA			
2000 01 16 (d)	Exhaust inspection	CW	04 24 2017	Y	500Hrs
2000 01 16 (g)	Exhaust inspection	CW	03 01 07	Y	12 yrs/2500 hr
2000 01 16 (b)	Exhaust inspection	CW	29-06-2017	Y	50hr/30 Dys
2000 01 16 (c)	Exhaust inspection	CW	29-06-2017	Y	12 mts

The maintenance described has been performed in accordance with applicable airworthiness directives 10-74. Further details on WO# 17-29614.

Dated: 29 June 2017

Signed: [Signature]





Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

RIGHT

Engine Logbook

TC-1001185



05/2005

Canada

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task			
C-GLKX Cessna 340A S/N 340A1221 TTAF 3900.6 R/H Engine Engines cowls removed. Removed engine exhaust heat shields. Complied with visual inspection of L/H and R/H engine exhaust systems as per AD2000-01-16 paragraph (b). no defects found reinspect in 50hrs or 30 days whichever occurs later. Reinstalled exhaust heat shields. AD2004-25-16R1 C/W by visual inspection of heater fuel regulator per paragraph (e) (1) , no leaks detected. Oil change completed to using Phillips 20W50 X/C and 16oz of CAMGAURD. Oil filters inspected, found clean replaced with CH48108-1 filters and lock wired. Engine run-up completed, no defects noted, no oil leaks detected. Replaced R/H deice valve P/N 2H48-14 S/N 3AY33 with S/N 7220-7, adjusted R/H vacuum pump unloading valve to 1.5PSI. The maintenance described has been performed in accordance with the applicable standards of airworthiness. F. Chamberlain..... Sept 6, 2017							
<table style="width: 100%;"> <tr> <td style="width: 40%;"> May 16, 2018 Cessna 340A 340A1221 Continental TSIO 520 NB, SN:521348 (Left) Continental TSIO 520 NB, SN:228388-H (Right) McCauley 3A32C515, SN:972269 (Left) McCauley 3A32C515, SN:972272 (Right) </td> <td style="width: 20%;"> C-GLKX 4038.4 TTAF 972.8 TTSO 972.8 TTSO 233.0 TTSO 233.0 TTSO </td> <td style="width: 40%;"> Brant Aero Quality Maintenance and Avionics Since 1972 Approved Maintenance Organization AMO#10-74 </td> </tr> </table>					May 16, 2018 Cessna 340A 340A1221 Continental TSIO 520 NB, SN:521348 (Left) Continental TSIO 520 NB, SN:228388-H (Right) McCauley 3A32C515, SN:972269 (Left) McCauley 3A32C515, SN:972272 (Right)	C-GLKX 4038.4 TTAF 972.8 TTSO 972.8 TTSO 233.0 TTSO 233.0 TTSO	Brant Aero Quality Maintenance and Avionics Since 1972 Approved Maintenance Organization AMO#10-74
May 16, 2018 Cessna 340A 340A1221 Continental TSIO 520 NB, SN:521348 (Left) Continental TSIO 520 NB, SN:228388-H (Right) McCauley 3A32C515, SN:972269 (Left) McCauley 3A32C515, SN:972272 (Right)	C-GLKX 4038.4 TTAF 972.8 TTSO 972.8 TTSO 233.0 TTSO 233.0 TTSO	Brant Aero Quality Maintenance and Avionics Since 1972 Approved Maintenance Organization AMO#10-74 					
<u>Inspections</u> > Annual inspection complied with IAW CAR's 625 app b part 1 & app C compliant inspection report.							
<u>Snag Rectification</u> > Oil Filter inspected and replaced with CH48108-1, Engine fill with Phillips 20W50 XC oil. > R/H engine moto stats: 1. 75/80, 2. 70/80 ,3. 72/80, 4. 74/80 ,5.72/80 ,6.70/80. > Re-checked the mag timing on the right engine. L Mag is 20.9degrees and R Mag is 21.2degrees. > Cleaned the R/H engine during the 100 hour inspection and cleaned under both wings. > Removed right alternators. Installed new alternator clutches . Installed alternators with new gaskets. > Completed lubrication of right turbo waste gates with mouse milk. > Installed GAMI injectors kit s/n 27240 into right engine torqued and installed upper deck lines. Installed rocker cover labels and line flags. > Seal small hole on R/H engine #2 cylinder bottom spark plug lead rubber seal with silicon. > Replace R/H engine rocker cover gasket with new P/N: 655528. > Corrected the lock wire on the R/H engine tach. > Prevented further chaffing of right engine prop control by securing prop control with silicon. > Corrected R/H engine oil line chaffing on the oil breather scatt hose by applying red RTV between them. > Replaced left and right engine air filter with new item PN:P128156. > Complied with US2000-01-16 AD part B (visual inspection),C (remove tail pipes and visually inspect) and E (pressure test) on the right and left engine. No faults found. > Clean,inspect, gaped and tested right engine spark plugs. Re installed plugs with new gaskets and torqued to 30 ft/lbs. > Check tight sump bolts on aft end of engine. Re inspect after ground run. No leaks found. > Re installed repaired right prop governor. > Removed melted spiral-wrap off on the EGT and CHT probe wire bundle (tanis bundle has no melted spiral-wrap on it) on right engine. Disconnected cylinder 2,4&6 EGT and CHT probes at ring terminals and put 1ft of fire sleeve onto bundle (Fire sleeve P/N: 2650-12). Re-connected 2,4&6 EGT and CHT probes and covered with fire sleeve.							
I have conducted an inspection for conformance to the type for the Flight/Powerplant controls that were affected by the work accomplished under W.O. # 18-31045			The maintenance described has been performed in accordance with applicable airworthiness requirements. Further details on WO# 18-31045				

Signature

AME
ACA/AMO
SCA/AMO

CHAPMAN AIRCRAFT SERVICE LTD.

C-GLKX

Cessna 340A

S/N340A1221

4064.3TTAF

R/H Engine: TISO-520-NB S/N228388-H

Oil drained, added 9quarts Phillips 20W50 X/C oil. Engine run-up completed. Inspected connections on #1 CHT/EHG and #5 CHT, connections found tight. Engine run-up completed, found starter adapter slipping on engine start, No others defect noted. no leaks detected at drain plug, access at drain plug reinstalled.

The maintenance described has been performed in accordance with the applicable standards of airworthiness.

F. Chamberlain...

June 6, 2018

CHAPMAN AIRCRAFT SERVICE LTD.

C-GLKX

Cessna 340A

S/N340A1221

4083.9TTAF

R/H Engine: TISO-520-NB S/N228388-H

Oil filter inspected and found 4 Magnetic particles. Installed CH48108-1 oil filter and lock wired. Oil change Phillips 20W50 X/C.

Checked magneto timing found at 19°BTDC as per engine data plate. Completed Engine run-up completed, Starter drive slipping on startup, no other defects noted.

Airframe: outboard aileron bearings lubricated. AD2016-17-08 C/W inspection of Elevator trim tab control rod hardware, no defects noted

The maintenance described has been performed in accordance with the applicable standards of airworthiness.

F. Chamberlain...

June 15, 2018

CHAPMAN AIRCRAFT SERVICE LTD.

C-GLKX

Cessna 340A

S/N340A1221

4084.1TTAF

R/H Engine: TISO-520-NB S/N228388-H

Removed starter drive P/N 642085A4 S/N 602101 and installed 642085A2 S/N CAM16-355 starter drive. Verified that Starter drive is getting good oil flow. Verified that starter is engaging/releasing as per CAM instructions dated Nov 22, 2016. Engine motored over and verified that starter drive disengages properly. Reinstalled hoses and Air filter housing assembly removed for access for starter drive. Reinstalled Starter MHJ-40035 S/N G051192 that was removed May 16, 2018 from this engine. Checked starter output friction and found at 4.5in-lb. Installed 2870 EGT probe S/N 114043 on #1 Exhaust. Completed Engine run-up, no defects noted.

The maintenance described has been performed in accordance with the applicable standards of airworthiness.

F. Chamberlain...

June 21, 2018

Oil drained and replaced with 11 q Phillips 20W50XC. Drain plug lock wired. Engine run-up completed. No defects noted. 22 June 2018

C-GLKX

Chapman Aircraft Service Ltd.

Cessna 340A

S/N340A1221

4141.8TTAF

R/H Engine: Exhaust visually inspected as per AD2000-01-06 Paragraph b, no defects noted. Lubricated waste gate and slip joints with mouse milk. Inspected air filter, no defects noted. Engine Oil filter inspected and found clean, installed CH48108-1 oil filter and lock wired. Oil drained, reinstalled oil drain plug and lock wired. Spark plugs cleaned and gapped, reinstalled and torqued to 360in/lb. Oil change completed using Phillips 20W50 X/C oil. Cleaned Injector #2 & #4 with Hoppies #9 and Acetone, inspected and found clean, reinstalled using two 630979-9 O-rings and one 640612 washer per injector, completed fuel leak test of injector lines, no leaks detected. Installed G2 engine vibration sensor P/N 1000-004V S/N 33088 using previously installed wiring harness. Checked Magneto timing, found at 21°BTDC as per engine data plate. Engine run-up completed for 10min, Magneto check 90L/90R@ 1800RPM. No defects noted, no oil leaks detected. Cowl reinstalled. Replaced six MS27039C0808 Screws and five MS27039C1-07 screws on R/H engine lower cowl due to poor screw heads.

The Maintenance Described above has been performed in accordance with the applicable standards of airworthiness.

Fred Chamberlain...

August 17, 2018

** See 24 Aug 2018 entry on previous page*

Section 4: Record of engine applicable airworthiness directives, airworthiness limitations and equivalent mandatory requirements

Reference (e.g. AD #)	Effective date --/--/---	Compliance threshold	Compliance interval	Description of requirements
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Brant Aero
Quality Maintenance and Avionics Since 1972
Approved Maintenance Organization #10-314



C-GLKX, CESSNA 340A. SN:340A1221. Right Engine, TSIO 520 NB, SN:228388-H

Engine AWD's	Description	Compliance	Date of Compliance	Repetitive "Y" if Repetitive	Next Due
2016 16 12	Cylinders assy	To comply with	1000 hrs eng time	To replace cylinders	-
2014 05 29	SAP replacement parts	N/A			
2012 10 13	Starter adapters	N/A			
2012 03 06	Fuel servo diaphragm	N/A	-	-	-
2010 11 04	Hydraulic lifters	N/A	-	-	-
2009 19 07	EQ3 cylinders	N/A	-	-	-
2007 04 19 R1	SAP cylinder assy	N/A	-	-	-
2004 08 10	Serial #ed cylinders	N/A	-	-	-
2000 23 21	Crankshaft	N/A			
99 19 01	# 2 and 5 Crankshaft inspection	N/A	-	-	-
98 01 08	Exhaust roller Rocker arm	N/A			
97 26 17	crank shaft	CW at OH			-
96 12 22	Full flow Oil adapter	N/A			
93 16 05	Fuel pump drive shaft	N/A	-	-	-
93 10 02	Missing cylinder valve key	N/A		-	-
93 08 17	Oil pick up tube	N/A		-	-
91 19 03	Oil filter	N/A			
89 24 01 R1	Scavenge oil pump gear	N/A			
88 03 06	Oil filter	N/A		-	-
86 13 04 R3	Cylinder assemblies	N/A		-	-
82 09 01	Fuel pressure regulator	N/A		-	-
81 24 06	Engine driven fuel pump	N/A			
CF2005-40	Non conformance on piston eng	N/A			
80 01 04	Cylinder holddown flange assy	NA			
79 05 09	Oil pump assy or pressure relief screw	NA			
78 06 01	Intake tube PN:642590	NA			
2000 01 16 (d)	Exhaust inspection	CW	04 24 2017	Y	500Hrs
2000 01 16 (g)	Exhaust inspection	CW	03 01 07	Y	12 yrs/2500 hr
2000 01 16 (b)	Exhaust inspection	CW	29-06 2017	Y	50hr/30 Dys
2000 01 16 (c)	Exhaust inspection	CW	29-06-2017	Y	12 mts

The maintenance described has been performed in accordance with applicable airworthiness directives 10-74. Further details on WO# 17-29614.

Dated: 29 June 2017

Signed: [Signature]

