

"In Aviation Since 1927"



AMO 2-72

LEAVENS

•Engines •Propellers •Accessories •Parts •Supplies

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

LEAVENS

"IN AVIATION SINCE 1927"

Make

CONTINENTAL

Model

LT310-360-EB3

Mfg. S/N

306813-14

Leavens Aviation
2555 Derry Road E.
Mississauga, Ont. L4T 1A1
Tel. 905-678-1234
AOG 416-563-5221

Customer:

Barry Bach Av. Inc.

Log Book Re Wo# 33-0303

ENGINE SERVICE AND

INSTALLATIONS, INSPECTIONS,

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

TIME RUN

TIME SINCE
OVERHAUL

HRS.

MIN.

HRS.

MIN.

1784.6

CONTINENTAL LTSIO-360-EB3 ENGINE

LEAVENS

leavens aviation inc.

2555 Derry Road East, Mississauga, Ont.
L4T 1A1

AMO. 2-72

This engine has been overhauled in accordance with the applicable Continental manuals. All applicable FAA and Transport Canada Airworthiness Directives and Continental Service Bulletins have been complied with. All parts have been inspected and have been determined serviceable for use. All accessories as part of the type certificate are either new or newly overhauled. Refer to Component list for accessory part number, serial number and condition. Engine test run as per enclosed sheet.

Approved Inspector

Engine Model: LTSIO-360-EB
Serial #: 306813-H
Work Order: 33-0303
TTSO: 0.0 HRS
TSN: UNK
Date Completed: Feb 25/04



AVIATION STRAIGHT MINERAL OIL TO BE
USED FOR THE FIRST 50 HOURS OF
ENGINE OPERATION OR UNTIL OIL
CONSUMPTION AND CYLINDER COMPRESSION
HAVE STABILIZED, OTHERWISE WARRANTY
MAY BE VOID

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS
SERIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

S/N 306813-M Received for overhaul

Installed Components
W/O: 33-0303

LEAVENS

R. Magneto	10-72020-119	K059102DR	0.0 HRS TSO
L. Magneto	10-72020-119	L039120DR	0.0 HRS TSO
Starter	646238-2	A229805	0.0 HRS TSO
Alternator	ALX9525BP	D12094	0.0 HRS TSO
Fuel Pump	649368-27A1	B03GA378R	0.0 HRS TSO
Control Body	649051A6	A03GA307R	0.0 HRS TSO
Relief Valve	481029-9001	UER0141P	0.0 HRS TSO
Turbocharger	600573-9000	Z1019810	0.0 HRS TSO
Manifold	641032-11A8	G03GA327R	0.0 HRS TSO

IMPORTANT

Before installing this new replacement engine, all aircraft oil system components, oil coolers, lines and supply tanks, where used, must be thoroughly cleaned for contamination.

Leavens Aviation Inc. will not be held responsible for contamination to this newly installed engine.

**ELIGIBILITY FOR TOPCARETM
WARRANTY PROGRAM.
CUSTOMER MUST COMPLY
WITH T.C.M. S.I.D. 97-2**

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
KLARENBACH AVIATION LTD. AMO 286-91					5424 - 11 Street N.E. Calgary, Alberta T2E 7E9 Tel: (403) 274-5800
Klarenbach Work Order No. : 2880 & 2986					Date: Mar. 18, 2004
Aircraft: C-GTQG		Piper PA34-200T		S/N: 34-8070121	TTSN: 3351.4
Right Engine:		Model LTSIO-360-EB3		S/N: 306813-H	TSOH: 0.00
Left Engine:		Model TSIO-360-EB3B		S/N: 901272-H	TSOH: 0.00
Right Prop:		Model 3AF34C503		S/N: 7910069	TSOH: 478.4
Left Prop:		Model 3AF34C502		S/N: 799532	TSOH: 1424.9
1. Left and right engine mounts removed from aircraft, paint removed by glass bead, visually inspected for cracks and corrosion, repaired by Vanquard Aviation Corp. WO# 425.					
2. Installed right engine S/N 306813-H after overhaul by Leavens Aviation Inc WO# 33-0303 complete with all accessories, fuel system, exhaust system, turbo charger, oil cooler, fluid carrying hoses, propeller governor, inter-cooler, (4) new rubber mounts P/NJ-9613-58 and engine baffles.					
3. Installed left engine S/N 901272-H after overhaul by Leavens Aviation Inc WO# 33-0302 complete with all accessories, fuel system, exhaust system, turbo charger, oil cooler, hoses, propeller governor inter-cooler, (4) new rubber mounts P/NJ-9613-58 and engine baffles.					
Independent Inspection carried out on left and right engine propeller, throttle and mixture controls.					
1. 089587					
4. Repaired L/H engine fireWall crack with patch. M340997					
5. Both engines filled with 6 litres of Phillips 20W50 Type M.					
6. Left and right engine nose cowls repaired IAW PA34-200 Service Manual Section 4-64 and repainted to match aircraft.					
7. Installed (2) new propeller de-ice brushes on right engine P/N 3E1443-7.					
8. Replaced R/H engine oil quick drain P/N 492-283.					
9. Installed new exhaust tie rod P/N 654306 on R/H engine.					
10. Repaired R/H engine turbo heat de-flector mounting bracket.					
12. Re-seal R/H stab de-ice boot.					
13. Installed new auto-pilot Pitch Servo S/N 1417, P/N 1C784-3-895, Roll Servo S/N 1417, P/N 1C784-2-895, and Trim Servo S/N 665, P/N 1C791-3-895 IAW Century Flight Systems STC SA3475SW Master Drawing List No. 87A1193 dated 5-10-88 Rev B dated 5-15-95.					
14. Aileron and elevator cable tension adjusted, and elevator travel adjusted IAW Service Manual.					
15. Independent Inspection carried out on roll, pitch and trim bridle cable installation.					
1. 089587					
16. Installed (8) new brake linings P/N 066-6200. M340997					
17. Ground run aircraft, adjusted RPM and fuel pressures, no oil leaks found, engine operation checks normal.					
-----END-----					
Maintenance Release The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight. Pertinent details of the repair are on file at this agency under the above noted Work Order No.					
Signature of AME:					AME License No. 089587
CARRIED FORWARD					
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD ➔					

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No. : 2960

Date: APR 14, 2004

Aircraft: C-GTOG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3381.9
Right Engine:	Model LTSIO-360-EB3	S/N: 306813-H	TSOH: 11.7
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H	TSOH: 11.7
Right Prop:	Model 3AF34C503	S/N: 7910069	TSOH: 508.9
Left Prop:	Model 3AF34C502	S/N: 799532	TSOH: 1455.4

1. Repaired air leak found on R/H engine manifold pressure line.
2. Cleaned and tightend connection on R/H CHT sender.
3. Moved stabilator trim indicator wire back one grove in trim wheel.
4. Checked idle and full power metered fuel pressures on L/H engine and found O.K.
5. Serviced Tires to proper pressure.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No. M340597

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No. : 3023

Date: June 21, 2004

Aircraft: C-GTOG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3398.3
Right Engine:	Model LTSIO-360-EB3	S/N: 306813-H	TSOH: 28.1
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H	TSOH: 28.1
Right Prop:	Model 3AF34C503	S/N: 7910069	TSOH: 525.3
Left Prop:	Model 3AF34C502	S/N: 799532	TSOH: 1471.8

1. Drained left and right engine oil, refilled with 7 litres of 15W50 Aero-Shell per engine.
2. Removed oil filters, inspected for contaminants, none found, installed (2) new oil filters P/N CH48108.
3. Checked all tires for correct pressure.
4. Adjusted elevator trim cable tension and safetied.

Independent Inspection carried out on elevator trim turn buckle.

1. M340597
2. 089587
5. Aircraft ground run no leaks found.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No. 089587

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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No. : 3057

Date: Aug 20, 2004

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3419.6
Right Engine:	Model LTSIO-360-E3B	S/N: 306813-H	TSOH: 49.4
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H	TSOH: 49.4
Right Prop:	Model 3AF34C503	S/N: 7910069	TSOH: 527.8
Left Prop:	Model 3AF34C502	S/N: 799532	TSOH: 1474.3

- 100 hr/Annual Inspection carried out I.A.W. Piper PA34-200T Service Manual and CAR's Chapter 625 Appendix B and C.
- Removed ELT new battery installed and re-certification carried out by Canadian Avionics WO# A13392.
- Fire extinguisher inspected and found OK.
- Swung compass and installed new deviation card.
- First Aid kit inspected and found contents complete.
- Tachometer accuracy checked and found serviceable.
- R/H idle speed turned up 1/2 turn.
- Replaced heater combustion pressure switch with serviceable unit S/N 1C1-10A.
- Ground run carried out, no leaks found, operation checked normal.

END

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No.

M340597

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No. : 3086

Date: OCT 7, 2004

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3434.3
Right Engine:	Model LTSIO-360-EB3	S/N: 306813-H	TSOH: 64.1
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H	TSOH: 64.1
Right Prop:	Model 3AF34C503	S/N: 7910069	TSOH: 561.3
Left Prop:	Model 3AF34C502	S/N: 799532	TSOH: 1507.8

- Oil changed on L/H and R/H engines, engines serviced with 7 litres of Aeroshell 15W50 per engine
- Oil filters removed, cut open and inspected for metal, no metal found, installed new filters P/N CH48108-1
- R/H and L/H engine fuel pressures and idle mixtures adjusted IAW M.M.
- L/H engine wastegate actuator heat shield removed attach bracket repaired and shield and actuator reinstalled.
- Oil leak found on L/H engine turbo oil pressure line at turbo fitting. fitting removed from turbo, cleaned new sealant installed and fitting reinstalled.
- Engines ground run and no leaks found.

END

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No.

M340597

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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No. : 3101

Date: OCT 27, 2004

Aircraft: C-GTOG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3434.3
Right Engine:	Model LTSIO-360-EB3	S/N: 306813-H	TSOH: 64.1
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H	TSOH: 64.1
Right Prop:	Model 3AF34C503	S/N: 7910069	TSOH: 561.3
Left Prop:	Model 3AF34C502	S/N: 799532	TSOH: 1507.8

1. Removed right engine scavenge oil pump due to leaking oil.
Repaired by Stauffer Aero Ltd, WO# 04-3688 and re-installed.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME: AME License No. 089587

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No. : 3220

Date: June 16, 2005

Aircraft: G-GTQG	Piper PA34-200T	TTSN: 3469.9
Right Engine:	Model LTSIO-360-E3B	S/N: 306813-H TSOH: 101.8
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H TSOH: 101.8
Right Prop:	Model 3AF34C503	S/N: 7910069 TSOH: 599.0
Left Prop:	Model 3AF34C502	S/N: 799532 TSOH: 1545.5

1. Drained oil on L/H and R/H engines, removed oil filters and installed new CH48108-1 filters, engines each serviced with 7L 15W50 Aeorsshell oil.
2. L/H alternator voltage regulator adjusted
3. Engines ground run and no leaks found, L/H alternator voltage checked o.k.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME: AME License No. M340597

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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

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AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Work Order No.: 3269

Date: Sept. 23, 2005

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3517.0
Right Engine:	Model LTSIO-360-E3B	S/N: 306813-H	TSOH: 146.8
Left Engine:	Model TSIO-360-EB3B	S/N: 901272-H	TSOH: 146.8
Right Prop:	Model 3AF34C503	S/N: 7910069	TSOH: 625.2
Left Prop:	Model 3AF34C502	S/N: 799532	TSOH: 1571.7

1. 100 hr/Annual Inspection carried out I.A.W. Piper PA34-200T Service Manual and CAR's Chapter 625 Appendix B and C.
2. Changed left and right engine oil, refilled with 7liters of 15W50 per side.
3. Installed new oil filters P/N CH48108-1.
4. Replaced engine spark plugs with serviceable fine wire plugs (24) P/N RHM38S with new gaskets P/N 6800084.
5. Small cracks repaired in L/H engine baffles.
6. Replaced (3) broken baffle hook and springs on R/H engine.
7. Installed new engine air filters (2) P/N BA8.
8. Installed new Janitrol heater spark plug P/N 39D18, ground tested heater, checked OK.
9. Cleaned left and right fuel screens and re-installed with new seals P/N 751-898.
10. Repaired left and right landing gear actuators, installed new orings P/N MS28775-113, backup rings P/N MS28782-8 and retainers P/N 755-997, re-installed actuators, bleed air from system, swung gear 5 times fault fee.
11. Replaced worn R/H landing gear rod end P/N CA452-334A.
12. Replaced loose L/H engine exhaust path rivets with new Cherry Max rivets.
13. Adjusted rudder cables tension to 40 lbs and safety.

Independent inspection carried out on rudder cable turnbuckles.

1. *[Signature]* 064587

AM340SA7

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Aviation Ltd. Work Order No.: 3304

Date: Nov. 1, 2005

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3524.4
Right Engine: TCM	Model: LTSIO-360-E3B	S/N: 306813-H	TSOH: 154.2
Left Engine: TCM	Model: TSIO-360-EB3B	S/N: 901272-H	TSOH: 154.2
Right Prop: McCauley	Model: 3AF34C503	S/N: 7910069	TSOH: 632.6
Left Prop: McCauley	Model: 3AF34C502	S/N: 799532	TSOH: 1635.6

1. Trouble shoot right alternator going off line, removed unserviceable right engine alternator P/N ALX9525BP, S/N D12094 and installed newly overhauled alternator P/N ALX9525B, S/N F062174.
2. Removed leaking right landing gear actuator P/N 96860-000, and installed new replacement actuator P/N 00-558-010. Swung landing gear bleed actuator no leaks found operation checked normal.
3. Aircraft ground run, parallel right and left alternators, operation checked normal.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness subject to satisfactory test flight Pertinent details of the repair are on file at this agency under the above noted Work Order.

Signature of AME: *[Signature]* AME License No. 084587

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MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Aviation Ltd. Work Order No.: 3421

Date: June 21, 2006

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3568.0
Right Engine: TCM	Model: LTSIO-360-E3B	S/N: 306813-H	TSOH: 197.8
Left Engine: TCM	Model: TSIO-360-EB3B	S/N: 901272-H	TSOH: 197.8
Right Prop: McCauley	Model: 3AF34C503	S/N: 7910069	TSOH: 676.2
Left Prop: McCauley	Model: 3AF34C502	S/N: 799532	TSOH: 42.8

-END-

1. Oil drained on engines and engines serviced with 7L each Aeroshell 15W50 oil.
2. Oil filters removed and new CH48108-1 filters installed.
3. Installed chaffe tape on engine side cowls as necessary.
4. Lockwired hydraulic powerpack filler plug.
5. Engines ground run and filters checked for leaks; no leaks found.

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No. M340597

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Klarenbach Aviation Ltd. Work Order No.: 3441

Date: July 14, 2006

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3595.4
Right Engine: TCM	Model: LTSIO-360-E3B	S/N: 306813-H	TSOH: 225.2
Left Engine: TCM	Model: TSIO-360-EB3B	S/N: 901272-H	TSOH: 225.2
Right Prop: McCauley	Model: 3AF34C503	S/N: 7910069	TSOH: 703.6
Left Prop: McCauley	Model: 3AF34C502	S/N: 799532	TSOH: 70.2

-END-

1. Removed L/H gear actuator S/N 5-79, installed repaired actuator S/N 7-79.
2. Serviced hydraulic powerpack with Fluid 41, gear cycled 5 times and free fall checked serviceable.
3. Bolts tightened on L/H engine scavenge pump mount.

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No. M340597


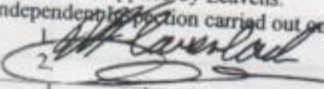
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ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS.
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
<p>KLARENBACH AVIATION LTD. AMO 286-91</p> <p>5424 - 11 Street N.E. Calgary, Alberta T2E 7E9 Tel: (403) 274-5800 Date: Aug 8, 2006</p> <p>Klarenbach Aviation Ltd. Work Order No.: 3455</p> <p>Aircraft: C-GTQG Piper PA34-200T S/N: 34-8070121 TTSN: 3608.4</p> <p>Right Engine: TCM Model: LTSIO-360-E3B S/N: 306813-H TSOH: 238.2</p> <p>Left Engine: TCM Model: TSIO-360-EB3B S/N: 901272-H TSOH: 238.2</p> <p>Right Prop: McCauley Model: 3AF34C503 S/N: 7910069 TSOH: 716.6</p> <p>Left Prop: McCauley Model: 3AF34C502 S/N: 799532 TSOH: 83.2</p> <p>END</p> <ol style="list-style-type: none"> 1. Drained oil on engines, re-serviced each engine with 7 liters of 15W50 Aeroshell oil. 2. Removed oil filters from engines and installed new filters P/N CH48108-1. 3. Engines ground run and oil filters checked for leaks, no leaks found. <p><u>Maintenance Release</u> The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.</p> <p>Signature of AME:  AME License No. <u>A340597</u></p>					
<p>KLARENBACH AVIATION LTD. AMO 286-91</p> <p>5424 - 11 Street N.E. Calgary, Alberta T2E 7E9 Tel: (403) 274-5800 Date: Aug 23/06</p> <p>Klarenbach Work Order No.: 3455</p> <p>Aircraft: C-GTQG Piper PA34-200T S/N: 34-8070121 TTSN: 3618.8</p> <p>Right Engine: TCM Model: LTSIO-360-E3B S/N: 306813-H TSOH: 248.6</p> <p>Left Engine: TCM Model: TSIO-360-EB3B S/N: 901272-H TSOH: 248.6</p> <p>Right Prop: McCauley Model: 3AF34C503 S/N: 7910069 TSOH: 727.0</p> <p>Left Prop: McCauley Model: 3AF34C502 S/N: 799532 TSOH: 93.6</p> <ol style="list-style-type: none"> 1. 100 hr/Annual Inspection carried out I.A.W. CAR's Chapter 625 Appendix B and C and Piper PA34-200T Service Manual using Piper Inspection Report P/N 230-856 as a guide. 2. Installed new engine air filters (2) P/N BA8. 3. Removed left engine exhaust, elbow P/N 643861-108 repaired by Acorn Welding WO# 19136, elbow assy. P/N 673861-117 repaired by Acorn Welding WO# 19134, and re-installed exhaust with (12) new gaskets P/N 630365. 4. Replaced left engine pneumatic pump P/N 441CC-7, S/N SLT230 OFF, S/N 45600 ON. 5. Cleaned left and right fuel screens and re-installed with new seal P/N 751-898. 6. Repaired nose landing gear actuator, installed new o rings (2) P/N MS28775-113, (1) P/N MS28775-110 and retainers P/N 755-997, re-installed actuator, bleed air from system, swung gear 5 times fault free. 7. Removed left engine propeller governor, repaired by Leavens WO#61-0224 and re-installed with new gasket supplied by Leavens. <p>Independent inspection carried out on left governor control.</p> <p> 089587 A340597</p>					
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TOTAL SINCE MFG.					

MAINTENANCE RECORD

8

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

8. Repaired left propeller de-ice leads.
9. Repaired aft cargo door inflatable seal line.
10. Replaced left voltage regulator P/N B-00288-1, S/N C6549 OFF, S/N C6550 ON, ground run and parallel system I.A.W. PA34-200T Maintenance Manual
11. Replaced nose gear scissor bushings (2) P/N 67026-007.
12. Installed new brake linings (8) P/N 066-06200.
13. Replaced left fuel tank lid gasket.
14. Removed auto-pilot control P/N 10937-2030314C91A, S/N 1772G, repaired by Century Flight Systems WO# 67295, reinstalled and ground checked by Canadian Avionics WO# A15201. Bose headset installed by Canadian Avionics under WO# A15501.
15. Removed ELT re-certification carried out by Canadian Avionics WO# A15196.
16. Fire extinguisher inspected and found OK.
17. Swung compass and installed new deviation card.
18. First Aid kit inspected and found contents complete.
19. Tachometer accuracy checked and found serviceable.
20. Dynamically balanced left propeller/engine.
21. Kelley Aerospace Service Information Letter A-110B, Inspected, not applicable to model installed.
22. AD 2004-21-05 Kelly Heater Inspection, completed and found serviceable.
23. AD2004-25-16R1 Heater fuel regulator inspected and no leaks found. Due Again in 1 yr. or 100 hrs.
24. AD2005-13-16, Piper SB 1123B, Nose landing gear inspection, all inspected and found OK, Due Again in 50 hrs.
25. Ground run carried out, no leaks found, operation checked normal.

-----END-----

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME: *[Signature]*

AME License No. 089587

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

KLARENBACH AVIATION LTD.
AMO 286-91

5424 - 11 Street N.E.
Calgary, Alberta T2E 7E9
Tel: (403) 274-5800

Date: Oct 10, 2006

Klarenbach Aviation Ltd. Work Order No.: 3480

Aircraft: C-GTQG	Piper PA34-200T	S/N: 34-8070121	TTSN: 3626.7
Right Engine: TCM	Model: LTSIO-360-E3B	S/N: 306813-H	TSOH: 256.5
Left Engine: TCM	Model: TSIO-360-EB3B	S/N: 901272-H	TSOH: 256.5
Right Prop: McCauley	Model: 3AF34C503	S/N: 7910069	TSOH: 734.9
Left Prop: McCauley	Model: 3AF34C502	S/N: 799532	TSOH: 78.1

1. Removed L/H starter drive adapter, inspected and no faults found. Reinstalled drive with new gaskets. L/H and R/H starters swapped for troubleshooting. Starter S/N 2051272 found faulty. Installed starter S/N G084854 on R/H engine.
2. Replaced L/H prop de-ice brushes with new P/N RA1543-7 brushes.
3. Found windshield hot plate plug terminals corroded, installed new terminals and hot plate checked serviceable.
4. Repaired pilot side window with acrylic plastic patches IAW AC 43.13-1B Chapt. 3-24.
5. Installed new landing gear downlock springs P/N's 587-261 and 487-495. Gear swing and free fall checks completed, no faults found.
6. Engines ground run leak checked and prop de-ice checked serviceable.

END

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No. M340597



Klarenbach
Aviation Ltd.

5424 - 11 Street N.E.
Calgary, Alberta
T2E 7E9
Tel: (403) 274-5800

Date: July 10, 2007

Klarenbach Work Order No.: 3610

Aircraft: C-GTQG	Piper PA34-200T	S/N: 36-8070121	TTSN: 3657.9
Right Engine: TCM	Model: TSIO-360-E3B	S/N: 306813-H	TSOH: 287.7
Left Engine: TCM	Model: TSIO-360-EB3B	S/N: 901272-H	TSOH: 287.7
Right Prop: McCauley	Model: 3AF34C503	S/N: 7910069	TSOH: 766.1
Left Prop: McCauley	Model: 3AF34C502	S/N: 799532	TSOH: 109.3

1. Drained oil refilled with 7 liters of 15W50 Aero Shell per engine and installed new oil filters P/N CH48108-1 on each engine.
2. Installed new pilots side window P/N 952 SG and sealed with PR1425B1/2 I.A.W. Piper PA34 Maintenance Manual.
3. Aircraft ground run and no leaks found.

END

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this agency under the above noted Work Order No.

Signature of AME:

AME License No. 089587

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

9

REPAIRS, ADJUSTMENTS, MODIFICATIONS

LICENCE

Right Eng Log 11/10/09

Date: 1/10/2009; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 3727.20; Work performed on Engine # 2; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 356.50, Last MOH: 3351.40-3/18/2004, SMOH: 2994.90; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 202.00, Last Prop MOH: 3523.60-4/12/2006, SMOH: 3321.60; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 356.50, Last MOH: 3351.40-3/18/2004, SMOH: 2994.90; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 834.20, Last Prop MOH: 2848.40-1/14/2000, SMOH: 2014.20

Ground ran engine to normal operating temperature and checked for correct operation and indication. Engine makes full power. Mag drops less than fifty RPM each. Compression test 1. 77/80 2. 76/80 3. 774/80 4. 76/80 5. 76/80 6. 74/80. Drained engine oil. Removed cut and inspected filter no contaminants of any kind at this time. Installed new CH48108-1 filter and safety wired. Cleaned and checked gap of spark plugs adjusted as required. Checked magneto to engine timing. Inspected fuel inlet screen of injection system and inspected nozzles for stain none noted at this time. Lubricated waste gate linkage and inspected turbo for condition no defect noted at this time. Engine manifold drains and breather free and clear. Inspected Brackett airfilter for slippage of gasket, security of screen and replaced filter element. Refilled Sump with Aeroshell 15W50. Inspected intercooler and induction side of system for security no evidence of leakage at this time. I certify that this engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition at this time.

Approved by: Brent Alder Certificate A-P388781708
Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770


Date: 8/31/2009; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 3759.70; Work performed on Engine # 2; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 389.00, Last MOH: 3351.40-3/18/2004, SMOH: 2962.40; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 234.50, Last Prop MOH: 3523.60-4/12/2006, SMOH: 3289.10; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 389.00, Last MOH: 3351.40-3/18/2004, SMOH: 2962.40; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 866.70, Last Prop MOH: 2848.40-1/14/2000, SMOH: 1981.70

Drained engine oil from both engines and removed oil filters. Installed new CH48108-1 filters (from owner) prefilled with oil. Refilled sumps with Aeroshell 15W50 oil. Ground run leak check detected no leaks at this time. Safety wired filters.

Approved by: Brent Alder Certificate A-P388781708
Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <u>NOTE:</u> USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					



Klarenbach

Aviation Ltd.

5424 - 11 Street N.E.
Calgary, Alberta
T2E 7E9
Tel: (403) 274-5800

Date: Aug. 24, 07

Klarenbach Work Order No. : 3679

Aircraft: C-GTQG	Piper: PA34-200T	S/N: 34-8070121	TTSN: 3673.9
Right Engine: TCM	Model: LTSIO-360-E3B	S/N: 306813-H	TSOH: 264.6
Left Engine: TCM	Model: TSIO-360-EB3B	S/N: 901272-H	TSOH: 264.6
Right Prop: McCauley	Model: 3AF34C503	S/N: 7910069	TSOH: 743.0
Left Prop: McCauley	Model: 3AF34C502	S/N: 799532	TSOH: 109.6

1. 100 hr/Annual Inspection carried out I.A.W. CAR's Chapter 625 Appendix B and C and Piper PA34-200T Service Manual using Piper Inspection Report P/N 230-856 as a guide.
2. Cleaned gapped, tested and re-installed spark plugs with new gaskets P/N M674.
3. Installed new engine air filters (2) P/N BA8.
4. Installed new elevator trim tab link P/N 96003-000, washers P/N 494-022 and bushings P/N 452-413.
5. Independent inspection completed on elevator trim control.
6. ~~Removed ELI re-certification~~ carried out by Canadian Avionics WO# A16022 and re-installed.
7. Removed #1 transponder S/N2639, #2 transponder S/N 32804, pilots encoding altimeter S/N 2608 and co-pilots encoding altimeter S/N 11857 for 2yr re-cert completed by Canadian Avionics WO# A16022. Components reinstalled after re-cert and Pitot/Static system leak check completed by Canadian Avionics WO# A16022.
8. Fire extinguisher inspected and found OK.
9. Swung compass and installed new deviation card.
10. First Aid kit inspected and found contents complete.
11. Tachometer accuracy checked and found serviceable.
12. AD2004-25-16R1 Heater fuel regulator inspected and no leaks found. Due Again in 1 yr. or 100 hrs.
13. AD2005-13-16, Piper SB 1123B, Nose landing gear inspection, all inspected and found OK, Due Again in 50 hrs.
14. Ground run carried out, no leaks found, operation checked normal.

-END-

Maintenance Release

The maintenance described above has been performed in accordance with the applicable standards of airworthiness. Pertinent details of the repair are on file at this office under the above noted Work Order No.

Signature of AME: OK Carelson AME License No. 084582

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TOTAL THIS PAGE

TOTAL FROM
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MAINTENANCE RECORD

10

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

Date: 4/29/2010; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 3782.50; Work performed on Engine # 2; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 411.80, Last MOH: 3351.40-3/18/2004; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 411.80, Last MOH: 3351.40-3/18/2004
 Ground ran right engine to normal operating temperature. Function tested engine and propeller for correct operating indication. Mag drops both less than 75 RPM per mag. Compression test 1. 77/80 2. 76/80 3. 74/80 4. 76/80 6. 76/80. Did not change oil this inspection. less than 10hrs. on oil. Checked mag to engine timing. Inspected engine for evidence of fuel leaks. None found. Inspected engine for general security of attachment an evidence of defect no defects found require maintenance. lubricated engine control attach points and cowl flap attachment. Lubricated waste gate installation shaft and linkage with MOUSE MILK. Inspected airfilter element for condition and security. I certify that this engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition at this time.

Approved by: Buffy Malin Certificate ARP38871081A
 Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770

Date: 7/07/2010; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 3806.00; Work performed on Engine # 1; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 435.30, Last MOH: 3351.40-3/18/2004, SMOH: 2916.10; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 280.80, Last Prop MOH: 3523.60-4/12/2006, SMOH: 3242.80; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 435.30, Last MOH: 3351.40-3/18/2004, SMOH: 2916.10; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 913.00, Last Prop MOH: 2848.40-1/14/2000, SMOH: 1935.40
 Removed propeller and slip ring assembly. Removed and replaced crank shaft seal. Solvent washed engine and cowl.

Approved by: Buffy Malin Certificate ARP3887108
 Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770

Date: 4/21/2011; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 3853.60; Work performed on Engine # 2; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 482.90, Last MOH: 3351.40-3/18/2004; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 482.90, Last MOH: 3351.40-3/18/2004
 Ground ran engine to normal operating temperature. Checked for correct indication and noted discrepancies. Mag drops check normal but rough. Drained engine oil and inspected for general condition and source of leakage. Compression test hot. 1. 73/80 2. 73/80 3. 73/80 4. 73/80 5. 72/80 6. 73/80. Removed oil filter cut and inspected, no debris found at this time. Installed new filter and safety wired. Refilled sump with Aeroshell 15W50. Solvent washed engine. Lubricated engine controls. checked fuel screen for contaminants. Solvent washed engine. Lubricated engine controls. Cleaned and reset gaps on spark plugs. Reinstalled spark plugs and torqued. I certify This engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition at this time.

Sublet Service Completed: 4/14/2011
 Description: Magneto Repair p/n S6RN-25P s/n K159102DR
 Performed By: Aircraft Magneto Service PO #: 1890
 Removed magnetos from engines and routed to Aircraft Magneto Service for inspection. Magneto conditions beyond repair and brought to overhauled condition. Reinstalled magnetos and replaced pressurization plumbing due to condition with tygon tubing. Mag drops check good after reinstallation.
 Sublet Service Completed: 4/21/2011
 Description: Magneto 500Hr Inspection p/n S6RN-25P s/n L639120DR
 Performed By: Aircraft Magneto Service PO #: 1892

Approved by: Buffy Malin Certificate ARP38871081A
 Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

TIME SINCE

Date: 4/23/2012; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 3955.00; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 584.30, Last MOH: 3351.40-3/18/2004, SMOH: 2767.10; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 429.80, Last Prop MOH: 3523.60-4/12/2006, SMOH: 3093.80; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 584.30, Last MOH: 3351.40-3/18/2004, SMOH: 2767.10; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 1062.00, Last Prop MOH: 2848.40-1/14/2000, SMOH: 1786.40
Ground ran engine to normal indicated operating temperature was indicated. Checked engine performance by static maximum rpm check and mag drop check. No defect at this time Checked compression by cylinder leakage test. 1. 73/80 2. 72/80 3. 72/80 4. 72/80 5. 73/80 6. 73/80. Cleaned, gaped, and tested spark plugs. Reinstalled spark plugs. Inspected induction and injection systems for defects or leaks none found at this time. Solvent washed spinner bulkhead and slip ring installation. Cleaned prop deice brushes. Removed and replaced induction air filter element. I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition at this time.

Approved by:

Bastley J. Hallin

Certificate

A+P3688119 IA

Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368

360-385-7770

Date: 5/01/2013; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 4020.70; Work performed on Engine # 2; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 650.00, Last MOH: 3351.40-3/18/2004, SMOH: 2701.40; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 495.50, Last Prop MOH: 3523.60-4/12/2006, SMOH: 3028.10; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 650.00, Last MOH: 3351.40-3/18/2004, SMOH: 2701.40; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 1127.70, Last Prop MOH: 2848.40-1/14/2000, SMOH: 1720.70

Ran engine until normal oil temperature was indicated. Checked mag drops, less than 100 rpm at 1700. Checked for idle mixture rise and correct operation of engine indicators. Compression test 1. 74/80 2. 76/80 3. 72/80 470/80 5. 74/80 6. 72/80. Cleaned gapped and tested spark plugs. Checked engine for general condition and security of installation. Checked accessories for security of attachment. Checked mag to engine timing. Drained engine oil. Removed oil filter, cut and inspected for debris none found at this time. Refilled sump with Aeroshell 15W50. Installed new filter and safety wired. Re installed spark plugs(torqued). Checked engine for security of attachment and condition of accessories. Solvent washed engine. Lubricated waste gate shaft as required with Mouse Milk oil. Leak checked engine after completion of maintenance. No leakage at this time. I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition at this time.

Approved by:

Bastley J. Hallin

Certificate

A+P3688119 IA

Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368

360-385-7770

Date: 11/27/2013; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 4050.60; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 679.90, Last MOH: 3351.40-3/18/2004, SMOH: 2671.50; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 525.40, Last Prop MOH: 3523.60-4/12/2006, SMOH: 2998.20; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 679.90, Last MOH: 3351.40-3/18/2004, SMOH: 2671.50; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 1157.60, Last Prop MOH: 2848.40-1/14/2000, SMOH: 1690.80
Removed spark plugs cleaned and gapped plugs. Reinstalled and set gaps. Run check and still missing rough idle on right mag.

Checked engine compression hot found cylinders 1,2,3,5 at 0/80 4. 40/80 6. 60/80. Removed all six cylinders and routed to Avian Aeronautics for evaluation and repair. #5 cylinder exhaust valve head had broken and found 1/4 of valve head in intake port of same cylinder. Inspected engine, turbo and all other equipment for damage due to foreign objects or broken valve piece. Reinstalled all 6 cylinders after repair by Avian Aeronautics. Ground ran engine. Removed cowl after engine run found left side valve covers leaking. Removed and reinstalled cover gaskets after washing and drying(not charged).

Sublet Service Completed: 11/20/2013

Description: Cylinder Repair 6ea

Performed By: Avian Aeronautics PO #: 2231

Approved by:

Bastley J. Hallin

Certificate

A+P3688119

Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368

360-385-7770

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TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

11

Date: 4/14/2014; Aircraft: N123JW; Type: PA-34-200T; S/N: 8070121; Total Time: 4057.40; Work performed on Engine # 2; Engine 1 Type: TSIO-360-EB, S/N: 901272-H, Time: 686.70, Last MOH: 3351.40-3/18/2004, SMOH: 2664.70; Prop 1 Type: 3AF34C502, S/N: 799532, Time: 532.20, Last Prop MOH: 3523.60-4/12/2006, SMOH: 2991.40; Engine 2, Type: LTSIO-360-EB, S/N: 306813-H, Time: 686.70, Last MOH: 3351.40-3/18/2004, SMOH: 2664.70; Prop 2, Type: 3AF34C503, S/N: 7910069, Time: 1164.40, Last Prop MOH: 2848.40-1/14/2000, SMOH: 1684.00

Removed waste gate controllers and tail pipes. Routed waste gate controllers Merlyn for evaluation and repair. Re-installed after repair by Merlyn. Re used "v-band clamps" New heat shields and support clamps installed at this time. Documents and data updated aircraft logs. Cleaned and ground ran for leak check. Removed and replaced upper deck pressure seals and grommets of fuel injection shrouds and manifold pressure fittings. Re checked engine performance and manifold pressure for stability and balance at sea level. Requires test flight to altitude for complete function check.

Tightened oil cooler fittings on turbo charger housing and cleaned oil from area. Ground ran and leak checked no significant leakage at this time.

Cleaned gapped and tested spark plugs. Checked engine for general condition and security of installation. Checked accessories for security of attachment. Checked mag to engine timing. I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition at this time.

Approved by: Bartley Miller Certificate AHP3688119IA
Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368

360-385-7770

4/19/2015 N123JW LTSIO 360EB 306813-H
TOTAL TIME AIRCRAFT 4132.9 ENGINE TSOH 762.2
RAN ENGINE UNTIL NORMAL OPERATING TEMPERATURE INDICATED. CHECKED MAG DROPS LESS THAN 75 @ 1800RPM. CHECKED IDLE MIXTURE REFE AND CLEAN CUT OFF. CHECKED FUEL PUMP OPERATION. CHECKED MAG SWITCH OPERATION. ALL ENGINE INDICATIONS NORMAL. COMPRESSION/CYLINDER LEAKAGE CHECK 1.76/80 2.76/80 3.77/80 4.76/80 5.76/80 6.77/80 LEADED GAP CHECKED & TESTED SPARK PLUGS. CHECKED MAGNETO TO ENGINE TIMINGS. RE-INSTALLED TORQUED SPARK PLUGS. SOLVENT WASHED ENGINE. CHECKED ACCESSORIES FOR CONDITION AND SECURITY OF ATTACHMENT. OIL & OIL FILTER CHANGED BY OWNER AT THIS TIME. LUBRICATED WASTE GATE SHAFT/LINKAGE WITH MOORE MILK LUBRICANT. POST MAINTENANCE LEAK CHECKS GOOD. CHECKED ENGINE AD STATUS THROUGH THIS DATE. NO AD REQUIRED ACTION AT THIS TIME. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

Bartley Miller AHP3688119IA

MAXIMUM HOURS BETWEEN OVERHAULS _____

HOURS.

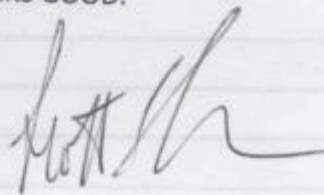
ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
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03/15/2016 AFTT:4184.6 813.9 SMOH

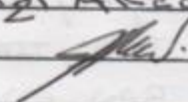
RUN-UP, DRAINED OIL, REPLACED FILTER WITH NEW AND CUT OPEN OLD FILTER, NOTHING FOUND. REPLACED OIL USING 8 QTS AEROSHEL 15W-50. COMPRESSIONS CHECKED: #1 62/80, #2 68/80, #3 70/80, #4 63/80, #5 62/80, #6 70/80. REPLACED ALL SPARK PLUGS WITH NEW URHM38E TEMPEST PLUGS. CHECKED ALL EXHAUST AND INTAKE. CHECKED ENGINE MOUNTS. CHECKED AND LUBED ALL ENGINE CONTROLS. WIPED DOWN ENGINE AND FIREWALL. REPAIRED BUSTED HEAT EXHAUST SHIELD BEHIND EXHAUST PIPE. INSTALLED E.T ENGINE MONITOR PROBES I.A.M. E.I INSTALLATION INSTRUCTIONS AND STANDARD PRACTICES. A.D'S SEARCHED THRU REV 2016-14 DATED 02/22/2016. RUN-UP, MAG AND IGNITION SWITCH CHECKS GOOD.

This Engine serviced and
inspected in accordance with
an annual inspection.
Ok for return to service.
Scott Erickson AP36297041A



10/25/16 4241.6

RUN UP & DRAINED OIL CUT OPEN
OLD FILTER - NOTHING FOUND
REPLACED OIL & FILTER 8QT AEROSHEL
15W50



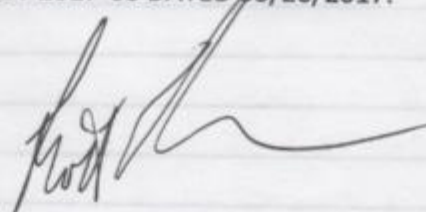
N123JW

ENGINE RIGHT

04/01/2017 4242.5 871.8
AFTT SMOH

RUN-UP, NO OIL CHANGE AT THIS TIME. CHECKED MAG TIMING. SERVICED AND ROTATE ALL PLUGS. COMPRESSIONS CHECKED: #1 52/80, #2 64/80, #3 70/80, #4 56/80, #5 64/80, #6 64/80. PRESSURE CHECKED EXHAUST, NO CRACKS FOUND. CHECKED INTAKES AND ENGINE MOUNTS. CHECKED AND LUBED ALL ENGINE CONTROLS. LUBED TACH DRIVE ADAPTER. WIPED DOWN FIREWALL AND COWL. RUN-UP, AND LEAK CHECKED, NONE NOTED. MAG AND IGNITION SWITCH CHECKS GOOD. A.D'S SEARCHED THRU REV 2017-06 DATED 03/20/2017.

This Engine serviced and
inspected in accordance with
an annual inspection.
Ok for return to service.
Scott Erickson AP36297041A



09/06/17 4227.3

RAN UP & DRAINED OIL. CUT OPEN
FILTER - NOTHING FOUND REPLACE

CARRIED FORWARD

8 QTS AEROSHEL
15W50



TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

12

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

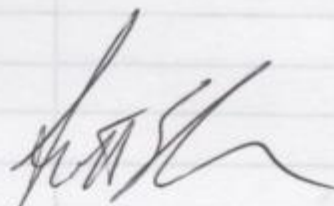
LICENCE
NUMBER

N123JW

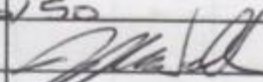
RIGHT ENGINE

04/10/2018 4290.4 919.7 RUN-UP, COMPRESSIONS CHECKED: #1 42/80, #2 72/80, #3 64/80, #4 54/80, #5 58/80, #6 56/80. REPAIRED INTAKE LEAK AT #1 CYLINDER. NO OIL CHANGE AT THIS TIME. CHECKED MAG TIMING, NOTHING FOUND. CHECKED FUEL SCREEN, NOTHING FOUND. OPS CHECKED AND ROTATE ALL PLUGS. CHECKED ALL EXHAUST AND INTAKES. CHECKED ENGINE MOUNTS AND FIREWALL. WIPED DOWN COWLING. TIGHTENED SOME LOOSE TURBO MOUNT BOLTS. CHECKED ALT AIR DOOR AND REPAIRED SOME CHAFEING AT AIRBOX INLET. A.D'S SEARCHED THRU REV 2018-06 DATED 03/19/2018.

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JUNE 29/18 Run up & drained oil Replace
Oil & Filter with 8 qts Aeroshell 20/50
Repaired oil temp wire. AFT 4322



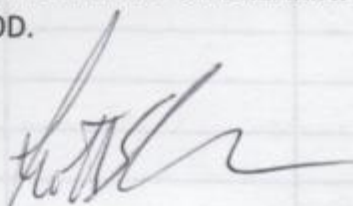
3A02A90

N123JW

RIGHT ENGINE

04/01/2019 4359.0 988.3 RUN-UP, DRAINED OIL, CHANGED FILTER, CUT OPEN OLD FILTER, NOTHING FOUND. COMPRESSIONS CHECKED: #1 20/80, #2 60/80, #3 60/80, #4 60/80, #5 60/80, #6 62/80. REMOVED #1 CYLINDER DUE TO LOW COMPRESSION FROM EXHAUST GUIDE. REPLACED USING NEW CONTINENTAL STEEL CYLINDER ASSY AND NEW RINGS I.A.W CONTINENTAL IO-360 OVERHAUL MANUAL. USED ALL NEW GASKETS AND SEALS. REPLACED OIL USING 100W. CLEANED, GAP, OPS CHECK AND ROTATE PLUGS. CHECKED ALL EXHAUST AND INTAKES FOR LEAKS. OPS CHECKED AND LUBED ALL ENGINE AND CABIN CONTROLS. LUBED TURBO WASTE GATE. CHECKED MAG TIMING, NO CHANGES. CHECKED FUEL SCREEN, NOTHING FOUND. A.D'S SEARCHED THRU REV 2019-06 DATED 03/18/2019. AIRCRAFT TEST FLOWN AND CYLINDER #1 TEMP NORMAL FOR BREAKIN. MAG AND IGNITION SWITCH CHECKS GOOD.

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MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORWARD →

053/19 TAF 439A Run Up & Drained Oil R

- N123JW

- RIGHT ENGINE

07/01/2020 4442.1 1071.4 RUN-UP, DRAINED OIL, CHANGED FILTER, CUT OPEN OLD FILTER, NOTHING FOUND. COMPRESSIONS CHECKED: #1 74/80, #2 69/80, #3 70/80, #4 64/80, #5 64/80, #6 66/80. BORESCOPED ALL CYLINDERS, CHECKED VALVES FOR BURNING OR DETERIORATION, NONE NOTED. OPS CHECK, CLEAN AND GAP AND ROTATE PLUGS. WASHED ENGINE AND FIREWALL. CHECKED MAG TIMING, NO CHANGES. LUBED TACH DRIVE. CHECKED ALL EXHAUST AND INTAKES FOR LEAKS, NONE NOTED. OPS CHECK AND LUBE ALL ENGINE CONTROLS. REPLACED OIL USING AEROSHELL 15W-50. TIGHTENED SOME LOOSE BAFFLING. CHECKED TURBO CLAMPS FOR TIGHTNESS. A.D'S SEARCHED THRU REV 2020-12 DATED 06/08/2020. RUN-UP, MAGS AND IGNITION SWITCH CHECKS GOOD. REPAIRED A CHT PROBE. AIRCRAFT FLOWN AND ALL PARAMETERS CHECKED NORMAL.

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08/26/20 TAF 4445.0 Replaced all sparkplugs w

10023/21 TAF 4482 Run Up & Drained Oil REPLAC

N123JW

RIGHT ENGINE

08/01/2021 4481.9 1111.2 RUN-UP, NO OIL CHANGE AT THIS TIME. CUT OPEN OLD FILTER SUPPLIED BY OWNER, NOTHING FOUND. COMPRESSIONS CHECKED: #1 76/80, #2 70/80, #3 64/80, #4 50/80, #5 60/80, #6 70/80. BORESCOPED ALL CYLINDERS. FOUND A CRACK INDICATION IN #6 CYLINDER. REMOVED #6 FOR INSPECTION. CLEANED AND FOUND NO CRACKS. REINSTALLED USING NEW GASKETS WORK COMPLETED I.A.W CONTINENTAL IO-360 OVERHAUL MANUAL. CLEANED ALL FUEL INJECTORS AND REINSTALLED USING NEW SEALS. CHECKED MAG TIMING, NO CHANGES. CHECKED ALL EXHAUST AND INTAKES FOR LEAKS. CHECKED ENGINE MOUNTS. TURBO REPLACED WITH OWNER SUPPLIED PART. SEE AIRFRAME SIGNOFF FOR DETAILS. CLEAN, GAP, AND ROTATE PLUGS. A.D'S SEARCHED THRU REV 2021-14 DATED 07/05/2021. ENGINE RUN-UP AND LEAK CHECKED. FUEL FLOWS AND MANIFOLD PRESSURES CHECKED NORMAL. MAG AND IGNITION SWITCH CHECKS NORMAL.

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TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMARY
TOTAL SINCE MFG.

TOTAL
SINCE MFG.