

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

AeroTRANSPORT™ 

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ENGINE DATA

1. Make LYCOMING
2. Model IO-360-A1B6D
3. Specification IE10
4. Manufacturer's Serial Number ~~L-16299~~ STA RL-27876-SIA
5. Date of Manufacture 15 NOV, 2001
6. Aircraft Inspection Cycle CAR 625 App B+C

Section 3A: Engine Service and Maintenance Log

INSTALLATIONS, INSPECTIONS


DATE	TIME RUN		TIME SINCE OVERHAUL		Sub Total	TOTAL	CYCLES
	HOURS	min	HOURS	min			
APR 11/12	20	3	1	0			
30 Aug 12	34	5	55	8			
21 Dec 12	10	6	66	4			
SEP 6/13	10	2	76	6			
THIS PAGE TOTALS							
PREVIOUS TOTALS							
TOTALS SINCE NEW						76	6

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Cavalier AVIATION LTD. C-GWTP
Ph. 403-288-5160
Oil and filter change carried out. Oil filter oil. Aircraft ground run and leak checked


Reference Cavalier WO # 12-193
The described maintenance has been performed
Signed: *[Signature]*

Cavalier AVIATION LTD. C-GWTP
Ph. 403-288-5160
Oil and Filter Changed, oil drained and filter safetied. 8 liters Phillips 20W-50 oil replaced

Reference Cavalier WO# 12-524
The described maintenance has been performed
Signed: *[Signature]* Name: Brad Hvenegaard License: 


Cavalier AVIATION LTD. C-GWTP
Ph. 403-288-5160
TAT: 2602.1 DATE: 12/21/12

- ANNUAL INSPECTION C/W IAW CAR'S 625 APP. "B". GROUND RUN AND CHECKED SERVICEABLE.
- IDLE AND MIXTURE ADJUSTED. GROUND RUN AND CHECKED SERVICEABLE.
- AD2012-19-01 (CRANKSHAFTS) N/A DUE TO SB569 BEING C/W.
- AD2012-03-06 (FUEL SERVO) N/A DUE TO PART NOT INSTALLED.
- AD2011-26-04 (FUEL INJECTOR LINES) C/W. FOUND SERVICEABLE.
- AD CF90-03R2 (HEAT MUFF) C/W. FOUND SERVICEABLE.

Reference Cavalier WO# 12-708
The described maintenance has been performed in accordance with the applicable airworthiness requirements.
Signed: *[Signature]* Name: Jason Palslet License: 

Cavalier AVIATION LTD. C-GWTP
Ph. 403-288-5160
SN: 177RG1044 DATE: Sept 6/2013 TAT: 2612.3

> New Propeller Assembly P/N B2D34C207/78TCA-0 S/N 120737 Installed and safetied IAW McCauley Install instructions. Aircraft Ground run and function checked serviceable.

Reference Cavalier WO# 13-355
The described maintenance has been performed in accordance with the applicable airworthiness requirements.
Signed: *[Signature]* Name: Brad Hvenegaard License: 

ITEM: 2
QTY: 1
U/M: EA
BESCA: FILTER OIL

Approving National Aviation Authority: Cavalier FAA/UNITED STATES		AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		LICENCE: AME or AMO/JACA 2818654	
Cessna Aircraft Company (PCA) Cessna Parts Distribution Dept. 702 5800 F Pawnee, Wichita, KS 67218		NAME/SIGNATURE		10340/	
2	FILTER OIL	CH48103-1	N/A	1	N/A
EXPORT CANADA					
PO# 1264					
14. Confirm the items described above were manufactured to conformity with: <input checked="" type="checkbox"/> FAA approved design and as set in a condition for safe operation <input type="checkbox"/> FAA approved design (FAA certified or listed) 15. Authorized Signature: <i>[Signature]</i> 16. Name (Typed or Printed): KENNETH E. WYSOCKI SR. 17. Date (Typed): JUL/30/2010 18. Approval/Authorization No.: ODA-100129-CE 19. Date (Typed): 20. Authorized Signature: 21. Approved/Certificate No.: 22. Name (Typed or Printed): 23. Date (Typed):					

Section 3A: Engine Service and Maintenance Log

DATE	TIME RUN		TIME SINCE OVERHAUL		Sub Total	TOTAL
	HOURS	min	HOURS	min		
11 Apr 18	21	1	2876	8	341	1
11 Oct 18	51	00	2927	8	372	1
17 Jan 2019	22	4	2950	2	414	5
17 Apr 19	8	2	2958	4	422	7
THIS PAGE TOTALS			2958	4	422	7
PREVIOUS TOTALS						
TOTALS SINCE NEW			2958	4	422	7

INSTALLATIONS, INSPECTIONS

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Cavalier
AVIATION LTD.

C-GWTP

S/N: 177RG1044

DATE: 6 April 2018

TAT: 2876.8

Ph. 403-288-5160

- > Annual inspection IAW CARs 625 Appendix B. Ground run leak checked serviceable.
- > Oil and filter change completed. Serviced with Phillips 20W50. SOAP sample taken. Leak checked serviceable.
- > Heat muff inspected IAW AD CF90-03R2 and checked serviceable.
- > Seven (7) spark plugs replaced and function checked serviceable.
- > Fuel lines and clamps inspected IAW AD 2015-19-07 and checked serviceable.
- > Ground runs carried out and leak checked serviceable.

Reference Cavalier WO# 18-191

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

Signed: *[Signature]*

Name: Ed Chamberlain

License:



Cavalier
AVIATION LTD.

C-GWTP

S/N: 177RG1044

DATE: 11 October 2018

TAT: 2927.8

Ph. 403-288-5160

- > Oil and filter changed. Oil sample retained for analysis. Serviced with Phillips 20W50. Ground run leak checked serviceable.
- > Troubleshooting for 'gear up' indication carried out. Amber light did not 'press to test'. Bulb replaced. 'Press to test' functioned serviceable. Fault Confirmed and checked serviceable.

Reference Cavalier WO# 18-505

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

Signed: *[Signature]*

Name: Ed Chamberlain

License:



Cavalier
AVIATION LTD.

C-GWTP

S/N: 177RG1044

DATE: 17 Jan 2019

TAT: 2950.2

Ph. 403-288-5160

- > Cracked Engine Cylinder #4 exhaust riser replaced with repaired unit. Checked serviceable.
- > Damaged LH Heat Muff Air Duct replaced with new and checked serviceable.

Reference Cavalier WO# 19-015

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

Signed: *[Signature]*

Name: Michael Cummings

License:



Cavalier
AVIATION LTD.

C-GWTP

S/N: 177RG1044

DATE: 17 April 2019

TAT: 2958.4

Ph. 403-288-5160

- > Annual inspection IAW CARs 625 Appendix B. Ground run leak checked serviceable.
- > Oil and filter change completed. Serviced with Phillips 20W50. SOAP sample taken. Leak checked serviceable.
- > Heat muff inspected IAW AD CF90-03R2 Part 1 and checked serviceable.
- > Fuel lines and clamps inspected IAW AD 2015-19-07 par (1)(e)(ii) and checked serviceable.
- > Post inspection ground runs carried out and leak checked serviceable.

Reference Cavalier WO# 19-223

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

Signed: *[Signature]*

Name: Ed Chamberlain

License:



Section 3A: Engine Service and Maintenance Log

DATE	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
1 / 1			422	7		

INSTALLATIONS, INSPECTIONS

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17-Apr-2020 55.4 478.1

5-Aug-2020 40.2 518.3

16-Aug-2020 10.3 528.6

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Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: 6 May 2019 TAT: 2958.4
Ph. 403-288-5160

- > Cylinder #4 push rod tube seals replaced. Ground run leak checked serviceable
- > Cylinders #2 and 4 - clamps replaced securing fuel injection lines to push-rod tubes. Checked serviceable
- > All (4) brake linings replaced and checked serviceable
- > Backup lighting troubleshooting carried out and wiring re-soldered at pedestal switch. Function checked serviceable

Reference Cavalier WO# 19-264
The described maintenance has been performed in accordance with the applicable airworthiness requirements.

Signed: Name: Ed Chamberlain License:

Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: 25 May 2020 TAT: 3013.8
Ph. 403-288-5160

- > Annual inspection IAW CARs 625 Appendix B. Ground run leak checked serviceable. Compressions: /80 1 thru 4 - 77, 74; 77, 74.
- > Oil and filter change completed. Serviced with Phillips 20W50. SOAP sample taken. Leak checked serviceable.
- > Heat muff inspected IAW AD CF90-03R2 Part I and checked serviceable.
- > Fuel lines and clamps inspected IAW AD 2015-19-07 par (1)(e)(ii) and checked serviceable.
- > Engine Fuel Servo PN 2524489-N SN 63586 removed, leaking & mixture shaft loose. Overhauled Servo by Pro Aero superseded PN 2524054-11WO PAA1398 SN 33710 installed.
- > Servo ngged IAW MM. Dual checked serviceable for assembly, sense, safety and operation.
- > Rocker gasket #3 cylinder leaking, replaced with new and checked serviceable.
- > Post inspection ground runs carried out and leak checked serviceable.

Reference Cavalier WO# 20-130
Independent control check completed for the horizontal stab flight control and servo engine control.

Signed: Name: E Friesen License:

Signed: Name: Jason Palset License:

Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: 5 Aug 2020 TAT: 3054.0hrs
Ph. 403-288-5160

- > Engine runs completed and mixture and reduced power confirmed. Engine compressions completed and checked serviceable. Airbox and fuel injection system inspected with no leaks noted, but Alternate air door missing. Alt air door found partially blocking intake. Door and airbox repaired and engine runs performed. Mixture adjusted and checked serviceable.

Reference Cavalier WO# 20-250
The described maintenance has been performed in accordance with the applicable airworthiness requirements.

Signed: Name: Jason Palset License:

Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: Aug 16, 2020 TAT: 3064.3
Ph. 403-288-5160

- > Oil and filter change completed. Serviced with Phillips 20W50. Leak checked serviceable.
- > Oil sample taken and routed for analysis.
- > LH fuel tank defueled. Fuel tank access panel removed to retrieve object from tank. Access panel sealed and secured. Aircraft refueled and leak checked serviceable.

Reference Cavalier WO# 20-342
The described maintenance has been performed in accordance with the applicable airworthiness requirements.

Signed: Name: W. Kirk Mealey License: 479053

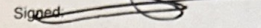
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Section 3A: Engine Service and Maintenance Log

DATE	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
1 1						
26 Nov 2021	35	6	529	6		
7 June 2021	5	9	570	1		
Aug 2 2022	35	0	605	1		
<p>THIS PAGE TOTALS →</p> <p>PREVIOUS TOTALS</p> <p>TOTALS SINCE NEW</p>						

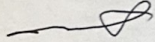
INSTALLATIONS, INSPECTIONS

Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: March 26, 2021 TAT: 3099.9
 Ph. 403-288-5160
 > Prop Spinner replaced with serviceable unit.

Reference Cavalier WO# 21-038
 The described maintenance has been performed in accordance with the applicable airworthiness requirements.
 Signed:  Name: M. Bushrod License: 424042

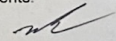
Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: 7 June 2021 TAT: 3105.8
 Ph. 403-288-5160

- > Annual inspection IAW CARs 625 Appendix B. Cylinder compressions 1-75/80, 2-78/80, 3-78/80, 4-78/80
- > Oil and filter changed. Engine serviced with Phillips 20W50 and leak checked serviceable. Sample sent for analysis.
- > No new ADs found since last annual or the last 12 months.
- > Heat muff inspected serviceable IAW AD CF90-03R2 Part I.
- > Fuel lines and clamps inspected serviceable IAW AD 2015-19-07 par (1)(e)(ii).
- > Post inspection ground runs carried out and leak checked serviceable.

Reference Cavalier WO# 21-256
 The described maintenance has been performed in accordance with the applicable airworthiness requirements.
 Signed:  Name: Jason Palset License: M364820

Cavalier AVIATION LTD. C-GWTP S/N: 177RG1044 DATE: Aug 2, 2022 TAT: 3140.8
 Ph. 403-288-5160

- > Annual inspection IAW CARs 625 Appendix B. Cylinder compressions 1-78/80, 2-75/80, 3-75/80, 4-74/80
- > Oil and filter changed. Engine serviced with Phillips 20W50 and leak checked serviceable. Sample sent for analysis.
- > Tachometer Accuracy check carried out. Found to be within +/- 4% of engine RPM at cruise mid-point. Checked serviceable.
- > AD search completed. AD 2022-03-15 for Garmin G3X is not applicable to the equipment installed on this aircraft. No other new ADs apply to this Mark.
- > Heat muff inspected serviceable IAW AD CF90-03R2 Part I.
- > Fuel lines and clamps inspected serviceable IAW AD 2015-19-07 par (1)(e)(ii).
- > Cowling mount on lower middle L/H side replaced and checked serviceable.
- > Post inspection ground runs carried out and leak checked serviceable.

Reference Cavalier WO# 22-253
 The described maintenance has been performed in accordance with the applicable airworthiness requirements.
 Signed:  Name: Kirk Mealey License: 479053

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Section 3A: Engine Service and Maintenance Log

DATE	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
21 Sept/22	9	3	605	1		
4 Oct/23	18	2	632	6		

INSTALLATIONS, INSPECTIONS

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Cavalier
AVIATION LTD
Ph. 403-288-5160

C-GWTP

S/N: 177RG1044

DATE: 21-Sep-22

TAT: 3150.1

- Removed cylinder #1 P/N: LW-12993, S/N: PA3202-1 and sent for repair. Installed repaired cylinder P/N: LW-12993, S/N: PA3202-1. Replaced all 8 spark plugs. Checked serviceable.
- Stall warning system tested and function checked serviceable.
- Inspected valve and guide clearance on cylinders #2, #3 and #4 IAW Lycoming SB#388C. Checked serviceable.
- Performed ground run and checked serviceable.

Reference Cavalier WO# 22-348
The described maintenance has been performed in accordance with the applicable airworthiness requirements.



Signed: *[Signature]*

Name: M. Bushrod

License:

Cavalier
AVIATION LTD
Ph. 403-288-5160

C-GWTP

S/N: 177RG1044

DATE: October 4, 2023

TAT: 3,168.3

- Annual inspection IAW CARs 625 Appendix B.
- Compressions: 1: 70/80 2: 72/80 3: 74/80 4: 75/80
- Heat muff inspected IAW AD CF90-03R2 Part I and checked serviceable.
- Fuel lines and clamps inspected IAW AD 2015-19-07 par (1)(e)(ii) and checked serviceable.
- Alternator belt replaced with new, checked serviceable.
- Induction filter replaced with new, checked serviceable.
- Post inspection ground runs carried out and leak checked serviceable.

Reference Cavalier WO 23-400
The described maintenance has been performed in accordance with the applicable airworthiness requirements.

Signed: *[Signature]*

Name: N. Catellier

License: 776927