

# ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T18208484 N223JM

ENGINE MODEL AND SERIAL TIO-540 - AKIA L-12247-61A

D5518-3-13

### INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

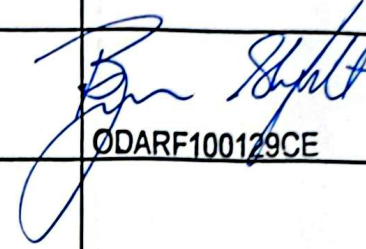
NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

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### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2005				
11/23			<p style="margin: 0;">T18208484</p> <div style="border: 2px solid orange; padding: 10px; margin: 10px 0;"> <p style="text-align: center; margin: 0;"><b>NEW RECIPROCATING ENGINE CERTIFICATE</b></p> <p style="margin: 5px 0;">This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by <b>LYCOMING</b> specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.</p> <p style="margin: 5px 0;">MODEL <u>TIO-540-AK1A</u> SERIAL NO. <u>L-12247-61A</u></p> <p style="margin: 5px 0;">DATE <u>NOV 07 2005</u> <u>Timothy Saedner</u> (AUTHORIZED REPRESENTATIVE)</p> <p style="margin: 5px 0;"><b>LYCOMING</b> <small>A Textron Company</small></p> <p style="margin: 5px 0; text-align: right;"><b>LYCOMING ENGINES</b> 652 Oliver Street Williamsport, PA 17701 U.S.A.</p> <p style="margin: 5px 0;"><small>Form No. 777-B (Rev. 3/03)</small></p> </div>	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2006 01/19	5	0	Engine model TIO-540-AK1A, S/N <u>L-12247-6A</u> has been installed on aircraft # <u>718208484</u> with TTAF <u>5.0</u> . Engine TT was <u>5.0</u> . This Engine serviced with Phillips X/C 20W50 Engine oil.	 ODARF100129CE

July 1, 2006  
TIO-540-AK1A

N223JM  
S/N: L-12247-61A

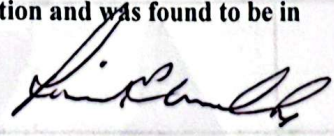
TTE: 80.9  
Tach: 80.9

1. Performed an annual inspection and maintenance in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.
2. Complied with AD2002-26-01 Fuel Injector Line and Clamp Inspection dated 31 January 2003 by visual inspection. No defects noted in accordance with Textron Lycoming MSB No. 342D, dated 10 July 2001. Next inspection due at 180.9 hours, next annual, or if any fuel injector line clamp is moved, loosened or replaced.
3. See AD listings for compliance records.
4. Cylinder compressions: #1 - 74/80, #2 - 73/80, #3 - 76/80, #4 - 74/80, #5 - 74/80, #6 - 75/80.
5. Drained oil, inspected oil filter, serviced engine with 9 quarts Aeroshell 15W50 oil & CH48110-1 oil filter. Oil filter inspection, run up, and leak check okay.
6. Removed prop. Sent to Aero Propeller for reseal and replacement of hub S/N 060971 (see prop log book for maintenance release, WO# 15117). Reinstalled repaired propeller.
7. Installed oil quick drain (CCB-37000).  
Timed magnetos to engine @ 25\* BTDC.

I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.



Legacy Air, Inc  
11900 Airport Way  
Broomfield, CO 80021  
303-404-0277



Richard E. Marcellus  
A&P 2882133 IA

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<b>Jackson Hole Aviation, LLC</b> P.O. Box 3829 Jackson, WY 83001 (307) 733-4767	Date - 12-23-06    A/C Reg. - N223JM Tach - 174.4        Eng. TT - 174.4 A/C TT - 174.4      TSN - 174.4 Hobbs - 198.1
			Drained oil, took oil sample and inspected old oil filter, found normal. Installed new oil filter P/N# AA48110. Serviced engine with 9 qts. Phillips XC 20w-50 and 1 pint AvBlend. Leak checked ok on post run-up. "The Aircraft, Airframe, <u>Engine</u> , Propeller, or Appliance identified herein was repaired and inspected in accordance with current regulations of the Federal Aviation Administration, and in respect to the work performed, is approved for return to service in accordance with FAR 43.9" Pertinent details of the repair are on file at this repair station under W/O# <u>3169</u> Dated <u>12-23-06</u> and a copy is attached to the product maintenance record. Inspector: <u>[Signature]</u> for Jackson Hole Aviation, LLC CRS#J3HR633H	

February 12, 2007

N223JM

TTE: 190.7

Lycoming TIO-540-AK1A

S/N: L-12247-51A

Tach: 190.7

1. Performed an annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.

2. Complied with AD2002-26-01 Fuel Injector Lines and Clamps Inspection dated January 31, 2003 by visual inspection. Next due at 290.7 or February 2008 or at next engine overhaul or when a clamp is loosened, moved or removed.

3. AD2005-19-11 Crankshaft Replacement dated October 21, 2005 does not apply per engine manufacture date.

4. AD2006-12-07 Cracked Cylinder Assemblies dated July 11, 2006 does not apply per ECi cylinder assemblies not installed.

5. AD2006-20-09 Crankshaft Retirement dated November 3, 2006 does not apply per engine serial number.

6. See AD listings for AD compliance.

7. Complied with Lamar LSI-001 Starter Bendix Cleaning and Lubrication.

8. Cylinder compressions: #1 - 75/80, #2 - 76/80, #3 - 76/80, #4 - 75/80, #5 - 76/80, #6 - 76/80.

9. Removed and inspected oil filter, installed new CH48110-1.

10. Replaced forward waste gate exhaust clamp (40D22383).

11. Cleaned fuel injector nozzles.

12. Adjusted mag timing.

13. Adjusted manifold pressure and idle settings.

14. Run up and leak check okay.

I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.




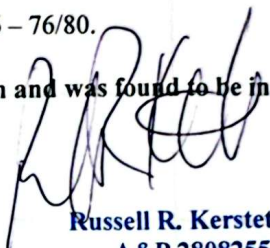
Legacy Air, Inc  
 11900 Airport Way  
 Broomfield, CO 80021  
 303-404-0277

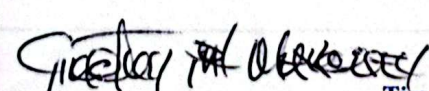
[Signature]

Russell R. Kerstetter  
 A&P 2808255 IA

SIGNATURE,  
 DATE TYPE  
 WBER

**MAINTENANCE RECORD**

<b>DATE</b>	December 17, 2007	N223JM	TTE: 287.7	SIGNATURE, DATE TYPE MEMBER
	Lycoming TIO-540-AK1A	S/N: L-12247-61A	Tach: 287.7	
	<ol style="list-style-type: none"> <li>1. Performed an annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.</li> <li>2. C/W AD2002-26-01 Fuel Injector Lines and Clamps Inspection dated January 31, 2003 by visual inspection, next due 387.7 or December 2008.</li> <li>3. C/W AD2007-08-03 Engine Compartment Fuel Hoses Inspection dated May 2, 2007 by c/w Cessna SB07-71-01 R1, by checking hose torques and torque sealing.</li> <li>4. See AD listings for AD compliance.</li> <li>5. C/W Cessna SB07-77-01 Tach Sender Replacement by installing MK206-77-01. Removed old unit 1A3C-1, S/N A1674 and installed new unit 1A3C-2, S/N A5098.</li> <li>6. C/W Lamar LSI-001 Starter Bendix Cleaning and Lubrication.</li> <li>7. Cylinder compressions: #1 - 74/80, #2 - 75/80, #3 - 75/80, #4 - 75/80, #5 - 74/80, #6 - 76/80.</li> <li>8. Oil and filter change not due at this time. Run up and leak check okay.</li> </ol>			
	<p>I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.</p>			
	 <p>Legacy Air, Inc 11705 Airport Way Unit C Broomfield, CO 80021 303-404-0277</p>			 Russell R. Kerstetter A&P 2808255 IA

<b>DATE</b>	January 29, 2009	N223JM	TTE/Tach: 431.9	SIGNATURE, DATE TYPE MEMBER
	Lycoming TIO-540-AK1A	S/N: L-12247-61A	Hobbs: 486.0	
	<ol style="list-style-type: none"> <li>1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.</li> <li>2. See AD listings for AD compliance.</li> <li>3. C/W AD2008-14-07 To prevent failure of the fuel injector lines and clamps by visual inspection.</li> <li>4. C/W AD84-26-02 To prevent possible engine power loss by replacing induction air filter with new P/N P10-6150. This AD is due by TTAF: 931.9 or upon condition.</li> <li>5. AD2008-19-05 To prevent loss of engine power N/A per ECI cylinder not installed.</li> <li>6. AD2008-08-14 To prevent a lean running engine N/A per S/N.</li> <li>7. C/W 500hr. Magneto inspection on both mags. Replaced points with new Aero Accessories P/N A-13081 date code Dec. 17 2008, and new Aero Accessories carbon brush's P/N AM3215. timed mags internally and reinstalled mags to engine with new gaskets and timed to engine.</li> <li>8. Compression test: #1-74/80, #2-74/80, #3-76/80, #4-74/80, #5-76/80, #6-78/80.</li> <li>9. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 9qts. Phillips XC 20W50 oil.</li> <li>10. Removed and reinstalled after cleaning manifold pressure line fitting on #3 cylinder.</li> <li>11. Removed and replaced all spark plugs with new RHB37E.</li> <li>12. Lubed wastegate with mouse milk.</li> <li>13. Cleaned, lubed, and inspected starter bendix.</li> </ol>			
	<p>I certify that this Engine has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.</p>			
				 Timothy P Mahoney A&P 522064076 IA

N223JM  
Engine Log

Date: 4-14-09  
Tach: 459.0  
Hobbs: 516.3

# WAIL VALLEY JET CENTER

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 8 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM.

  
PH# 970-524-4003 Matt Bergstreser A&P 2808675  
Work order #13975

**Next Oil Change Due 509.0 Tach  
556.3 Hobbs.**

N223JM  
Engine Log

Date: 5-28-09  
Tach: 481.7  
Hobbs: 541.4

Compression checked #1 74/80, #2 74/80, #3 72/80, #4 74/80, #5 72/80, #6 74/80. Drained oil from engine. Removed and replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 8 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM. Serviced O2.

  
PH# 970-524-4003 Reyes Pitman A&P 2803975  
Work order #13981

**Next Oil Change Due 531.7 Tach  
591.4 Hobbs.**

March 1, 2010

Lycoming TIO-540-AK1A

N223JM

S/N: L-12247-61A

TTE/Tach: 567.7

Hobbs: 637.6

1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.

### MAINTENANCE RECORD

2. See AD listings for AD compliance.

3. C/W AD2008-14-07 To prevent failure of the fuel injector lines and clamps by visual inspection.

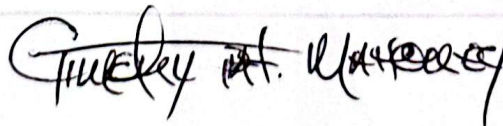
4. Compression test: #1-74/80, #2-75/80, #3-74/80, #4-73/80, #5-73/80, #6-72/80.

5. Changed filter, filter inspection normal, installed new CH48110-1 filter.

6. Lubed wastegate with mouse milk.

7. Cleaned, lubed, and inspected starter bendix.

I certify that this Engine has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.



Timothy P Mahoney  
A&P 522064076 IA

SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

ANCE RECORD

N223JM  
Engine Log  
**VAIL VALLEY  
JET CENTER**

Date: 9-30-09  
Tach: 505.5  
Hobbs: 567.7

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 8 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM. Serviced O2

  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #13641

**Next Oil Change Due 555.5 Tach  
617.7 Hobbs.**

THE WORK

N223JM  
Engine Log  
**VAIL VALLEY  
JET CENTER**

Date: 4-6-10  
Tach: 587.7  
Hobbs: 660.0

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 8 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM. Serviced O2

  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #14254

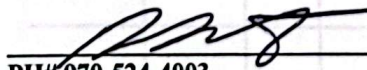
**Next Oil Change Due 637.7 Tach  
710.0 Hobbs.**

MAINTENANCE RECORD

N223JM  
Engine Log  
**VAIL VALLEY  
JET CENTER**

Date: 10-31-09  
Tach: 533.9  
Hobbs: 599.5

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 8 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM. Serviced O2


  
Reyes Pitman A&P 2803975  
PH# 970-524-4003 Work order #14027

**Next Oil Change Due 583.9 Tach  
649.5 Hobbs.**

N223JM  
Engine Log  
**VAIL VALLEY  
JET CENTER**

Date: 6-15-10  
Tach: 623.2  
Hobbs: 698.9

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM.

  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #14263

**Next Oil Change Due 673.2 Tach  
748.9 Hobbs.**

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED
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**N223JM Airframe Log**

Date: 6-15-10  
Tach: 623.2  
Hobbs: 698.9

**VAIL VALLEY JET CENTER**

Removed and Replaced Right Main Tire Tube with new P/N 302-246-401. Inflated tire to 42 p.s.i. Leak Check good. Serviced nose tire to 49 p.s.i. and left main to 42 p.s.i. IAW Cessna T182T MM. Serviced O2 to Full

*[Signature]*  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #14263

**N223JM Engine Log**

Date: 8-11-10  
Tach: 653.6  
Hobbs: 732.7

**VAIL VALLEY JET CENTER**

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM.

*[Signature]*  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #14427

**Next Oil Change Due 703.6 Tach  
782.7 Hobbs.**

**N223JM Engine Log**

Date: 12-29-10  
Tach: 681.77  
Hobbs: 763.2

**VAIL VALLEY JET CENTER**

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM.

*[Signature]*  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #14533

**Next Oil Change Due 728.6 Tach  
807.7 Hobbs.**

**N223JM Engine Log**

Date: 2-23-11  
Tach: 719.8

**VAIL VALLEY JET CENTER**

Removed and replaced #5 EGT Probe with New. P/N: 86317. Ops check good. IAW Cessna 182 MM.

*[Signature]*  
Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order 145411



February 15, 2011  
Lycoming TIO-540-AK1A

N223JM  
S/N: L-12247-61A

TTE/Tach: 715.2  
Hobbs: 800.5

1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.
  2. See AD listings for AD compliance.
  3. C/W AD2008-14-07 To prevent failure of the fuel injector lines and clamps by visual inspection.
  4. Compression test: #1-75/80, #2-75/80, #3-70/80, #4-74/80, #5-72/80, #6-74/80.
  5. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts Phillips XC 20W50.
  6. Lubed wastegate with mouse milk.
  7. Cleaned, lubed, and inspected starter bendix.
- I certify that this Engine has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.

Timothy P Mahoney  
A&P 3478191 IA

SIGNATURE,  
E TYPE  
SER

### MAINTENANCE RECORD

N223JM  
Engine Log

Date: 4-7-2011  
Tach: 745.3  
Hobbs: 834.3

**VAIL VALLEY  
JET CENTER**

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna 182T MM.

Tim McWilliams A&P 3350025  
PH# 970-524-4003 Work order #14549

**Next Oil Change Due 795.3 Tach  
884.3 Hobbs.**

N223JM  
Engine Log

Date: 6-7-2011  
Tach: 778.8  
Hobbs: 869.2

**VAIL VALLEY  
JET CENTER**

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna T182T MM.

Matt Bergstreser A&P 2808675  
PH# 970-524-4003 Work order #14758

**Next Oil Change Due 828.8 Tach  
919.2 Hobbs.**

**MAINTENANCE RECORD**



N223JM

Airframe Log

**VAIL VALLEY  
JET CENTER**

Date: 8-24-11  
Aircraft Hobbs: 912.4  
Engine TT: 816.3

E WORK PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

Drained oil from engine. Removed oil filter and installed new P/N CH48110 -1. Cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC20W-50. Ground ran engine for leak check no leaks noted all work done IAW Cessna 182 MM.

Matt Bergstreser A&P 2808675  
Work order # 14832

PH# 970-524-4003

10/07/2011

N223JM  
Engine Log

Tach: 817.3

1. Removed engine fuel injector servo for repair and installed. Repair completed by Ametek B&S Aircraft Parts & Accessories. See maintenance release tag for details, W.O. #R11-05449, dated: 10/05/2011. Adjusted fuel settings as required.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED. I have not performed nor been authorized to perform any inspection of this aircraft nor have I reviewed or been authorized to review the maintenance records, including Part 43 compliance.

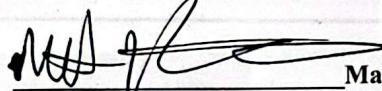


Legacy Air, Inc  
11705 Airport Way Unit C  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133

SIGNATURE,  
E TYPE  
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**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p align="center">N223JM Airframe Log</p> <p align="center"><b>VAIL VALLEY JET CENTER</b></p> <p>Date: 12-18-2011 Aircraft Hobbs: 940.4 Engine TT: 841.2</p> <p>Drained oil from engine. Removed oil filter and installed new P/N CH48110 -1. Cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC20W-50. Ground ran engine for leak check no leaks noted all work done IAW Cessna 182 MM.</p> <p> Matt Bergstreser A&amp;P 2808675 PH# 970-514-4003 Work order # 14903</p>	

03/21/2012

Lycoming TIO-540-AK1A

N223JM

S/N: L-12247-61A

Tach: 869.3

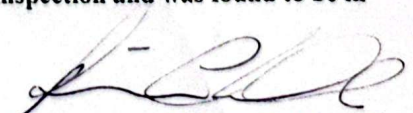
TTE: 869.3

1. Performed an annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.
2. See AD listings for AD compliance.
3. Cylinder compressions: #1 68/80, #2 68/80, #3 68/80, #4 67/80, #5 68/80, #6 66/80.
4. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C 20W-50 oil & CH48110-1 oil filter. Run up and leak check okay.
5. Complied with AD2011-26-04 Fuel Injector Lines, effective date: 01/25/2012 by visual inspection per Lycoming SB342F. Next due: 969.3 Tach/TTAF.
6. Replaced all spark plugs with new, (12)RHB37E.
7. Replaced #4 & #5 induction gaskets with new, (2)71973.
8. Replaced #3 rocker cover gasket with new, 75906.

I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.



Legacy Air, Inc  
11705 Airport Way Unit C  
Broomfield, CO 80021  
303-404-0277

  
Richard E. Marcellus  
A&P 2882133 IA

SIGNATURE,  
TYPE  
NR

**N223JM**  
**Engine Log**

**Date: 7-7-2012**

**Tach: 1010.1**

**VAIL VALLEY**  
**JET CENTER**

**Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna 182T MM.**



**Tim McWilliams A&P 3350025**

**PH# 970-524-4003**

**Work order #15209**

**Next Oil Change Due 1060.1 Tach**

N223JM  
Engine Log


Date: 10-30-12

Tach Time: 940.6

Hobbs: 1050.5

VAIL VALLEY  
JET CENTER

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna 182T MM.



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PH# 970-524-4003

Matt Bergstreser A&P 2808675

Work order #15286

March 28, 2013  
Lycoming TIO-540-AK1A

N223JM  
S/N: L-12247-61A

TTE/Tach: 961.9  
Hobbs: 1074.4

1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.

2. See AD listings for AD compliance.

3. C/W AD2011-26-04 To prevent failure of fuel injector lines and clamps by visual inspection.

4. AD2012-24-09C2 To prevent failure of turbo N/A per part not installed.

5. C/W 500hr. magneto inspection on left magneto installed new points, carbon brush, and seal kit.

6. Removed and replaced right magneto with new P/N 6361, S/N 13020546.

7. Compression test: #1-76/80, #2-76/80, #3-76/80, #4-76/80, #5-76/80, #6-74/80.

4. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips XC 20W50 oil.

5. Removed and replaced turbo oil drain can with new P/N 58B22954.

I certify that this Engine has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.



Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Curt Lee Power  
A&P 2882132 IA

DATE

SIGNATURE,  
TE TYPE  
IBER

N223JM  
Engine Log

Date: 6/23/14  
Tach: 1075.2  
Hobbs: 125.2

**VAIL VALLEY  
JET CENTER**

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna 182T MM.

  
PH# 970-524-4003

Matt Bergstreser A&P 2808675  
Work order # JMX-00043

N223JM  
Engine Log

Date: 10/2/2014  
Tach: 1077.1  
Hobbs: 147.1

**VAIL VALLEY  
JET CENTER**

Drained oil from engine. Removed and Replaced filter with new P/N CH48110-1, cut open old filter and inspected for contaminants none found. Serviced engine with 9 Qts. of Phillips XC 20W-50. Ground ran engine for leak check no leaks noted. IAW Cessna 182T MM.

  
PH# 970-524-4003

Matt Bergstreser A&P 2808675  
Work order # JMX-00195

May 16, 2014

Lycoming TIO-540-AK1A

N223JM

S/N: L-12247-61A

TTE/Tach: 1078.4

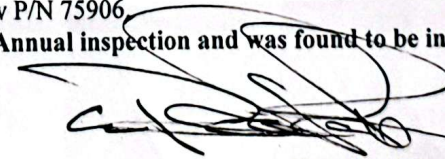
Hobbs: 1202.4

1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.
2. See AD listings for AD compliance.
3. C/W AD2011-26-04 To prevent failure of fuel injector lines and clamps by visual inspection.
4. Compression test: #1-76/80, #2-76/80, #3-76/80, #4-72/80, #5-76/80, #6-76/80.
4. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips XC 20W50 oil. Sent out oil sample for analysis.
5. Removed and replaced #1, 5, 2, 4, and 6 valve cover gaskets with new P/N 75906

I certify that this Engine has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.



Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021



Curt Lee Power  
A&P 2882132 IA



**VAIL VALLEY  
JET CENTER**

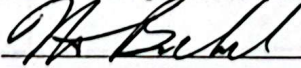
0871 Cooley Mesa Rd.  
Gypsum, CO 81637  
Phone: 970-524-4003  
amx@vvjc.com

12/16/2014

Engine N223JM Hobbs: 1255.3 SO# -14-00821

Drained oil from engine and serviced engine with 9 Qts. Phillips 20W-50. Removed oil filter and replaced with new P/N: CH48110-1. Cut open old filter and inspected for contaminants. No contaminants found at this time. Performed and engine run up to check for leak check. No leaks noted at this time. Operational check normal.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED ABOVE. I have not performed nor have I been authorized to perform any inspection of this aircraft or review any of the maintenance records including Part 39 compliance.



Nathan Beckel A&P 3400863

END

06/12/2015  
Lycoming TIO-540-AK1A

N223JM  
S/N: L-12247-61A

Tach: 1128.2  
TTE: 1128.2

DATE

1. Performed an annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.
2. See AD listings for AD compliance.
3. Cylinder compressions: #1 72/80, #2 76/80, #3 76/80, #4 74/80, #5 77/80, #6 76/80.
4. Oil change not due at this time.

SIGNATURE,  
ITE TYPE  
ABER



Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133 IA

ENGINE MODEL:  
TIO-540-AK1A  
ENGINE S/N:  
REG. NO. N223JM  
WORK ORDER: 6268

Dulles Aviation, Inc.  
Repair Station No. JBIR931E  
10501 Observation Road  
Manassas, Virginia 20110  
Phone: 703-361-2171

DATE: 1/28/2016  
A/C TON:  
ENG. TT:  
TACH: 1176.5

**Engine Entries**

(1) Removed left and right engine cowls, drained engine oil, removed oil filter, cut and inspected. Installed new oil filter part: CH48110-1, serviced engine with 9 qts Aeroshell 15W50 oil. Reinstalled left and right cowls. Ground run and leak check ok.

**Maintenance Release**

The aircraft and/or component(s) on N223JM was repaired and inspected in accordance with the current Code of Federal Regulations (CFR's) and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 6268.

DATE: 1/28/2016

SIGNED:

Richard Clinton Pittman  
Certified Repair Station No. JBIR931E

Work Order: 6268

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**MAINTENANCE RECORD**

DATE



Teton Aviation Center  
253 Warbird Lane  
Driggs, ID 83422  
208-354-3100

Date: 5/12/2016

Tach. Time: 1194.9


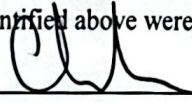
Total Time: 1194.9


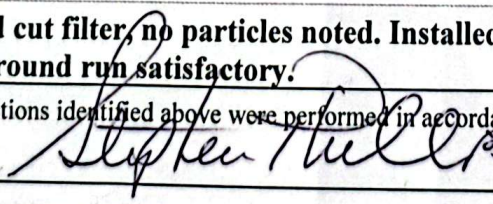
Removed defective nose wheel tire and tube. Installed new 5.00x5 6 ply tire and 5.00x5 tube. Serviced tire to 49 PSI. Reinstalled nose wheel on aircraft. Ops check good.

I certify that the repairs/inspections identified above were performed in accordance with current FARs and is approved for return to service. *Jordan J Hathaway* A+P 3768197



**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
		 <p>Teton Aviation Center 675 Airport Rd. Driggs, ID 83422 208-354-3100</p>	<p>Date: 6/8/2016</p> <p>Tach Time: 1220.3</p> <p>Total Time: 1220.3</p> <p>Accomplished annual inspection. Compression results #1 73, #2 75, #3 73, #4 74, #5 75, #6 73. Inspected all controls for security and operation. Changed oil and filter with new P/N AA48110-2 serviced with 9 quarts of Phillips XC 20w50. Retimed both magnetos to engine. Repaired #6 induction extension by reswaging into case. Complied with AD 2015-09-07 by visual inspection of fuel injector lines. Researched AD compliance through this date. I certify that this engine was inspected IAW an annual inspection per FAR 43 app D and was found to be in airworthy condition at this time.</p> <div style="border: 1px solid black; padding: 5px;"> <p>I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service. Chris Neuman  IA 2764941</p> </div>

		 <p>Teton Aviation Center 253 Warbird Lane Driggs, ID 83422 208-354-3100</p>	<p>Date: 9/28/2016</p> <p>Tach Time: 1245.1</p> <p>Total Time:</p> <p>Drained oil, removed and cut filter, no particles noted. Installed new AA48110-2 filter and qts of Phillips XC 20W50. Ground run satisfactory.</p> <div style="border: 1px solid black; padding: 5px;"> <p>I certify that the repairs/inspections identified above were performed in accordance with current FARs and is approved for return to service.  AP2815902</p> </div>
--	--	---	--

DATE



Teton Aviation Center  
253 Warbird Lane  
Driggs, ID 83422  
208-354-3100

Date: 06-09-2017

Tach Time: 1304.5

Total Time: 1304.5

SIGNATURE,  
DATE TYPE  
NUMBER

Drained the oil, removed cut and inspected the oil filter. No particles noted. Installed new filter P/N AA48110-2 and serviced with 9 quarts of Phillips XC 20W50. Installed new gasket on the # 6 induction flange P/N 71973. Installed 12 new spark plugs P/N RHB37E. Ground run and leak check good.

I certify that the repairs/inspections identified above were performed in accordance with current FARs and is approved for return to service. *[Signature]* ATP 3684 393



Teton Aviation Center  
675 Airport Rd.  
Driggs, ID 83422  
208-354-3100

Date: 6/9/2017

Tach Time: 1304.5

Total Time: 1304.5

SIGNATURE,  
DATE TYPE  
NUMBER

Performed Annual inspection IAW 14 CFR 43 Appendix D Compression test results #1 70/80 #2 72/80 #3 72/80 #4 72/80 #5 72/80 #6 73/80. Airworthiness Directives checked through this date, see compliance list. I certify that this engine has been inspected IAW an Annual inspection and was found to be in airworthy condition.

I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service. *[Signature]* 3394089 IA

N223JM



Teton Aviation Center  
253 Warbird Lane  
Driggs, ID 83422  
208-354-3100

Date: 2/23/2017

Tach Time: 1286.6

Total Time: 1286.6

Drained oil, removed and cut filter, no particles noted. Installed new AA48110-1 filter and 9qts of Phillips XC 20W50 oil. Ground run satisfactory, no leaks noted.

I certify that the repairs/inspections identified above were performed in accordance with current FARs and is approved for return to service.

*Stephen Phillips* APZ815902



Teton Aviation Center  
675 Airport Rd.  
Driggs, ID 83422  
208-354-3100

Date: 22 June 2018

N 223JM

Tach Time: 1356.7

Engine Total Time: 1356.7

Performed a 100hr an Annual Condition Inspection and service IAW FAA regulations, and the manufactures maintenance manual where applicable. Compression Check: #1 76/80 #2 78/80 #3 78/80 #4 76/80 #5 77/80 #6 76/80. Drained oil, replaced filter, and serviced with 9 qts XC20W50. Filter inspection, OK. Removed spark plugs, cleaned, gapped, tested and installed spark plugs. Replaced leaking crankshaft seal. All ADs checked through 22 June 2018. Post inspection ground run and leak check, OK.

I certify that this Engine has been inspected IAW an Annual Condition Inspection as well as the scope and detail of FAR 43 Appendix D, and found to be in airworthy condition.

I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service.

*James Haskin*

IA 3413092 A&P

1 SIGNATURE,  
ATE TYPE  
MSER

DATE



# VAN BORTEL AIRCRAFT INC™

4912 S. Collins St., Arlington, TX 76018 FAA CRS VNFR171L

**N223JM TACH 1365.7 H.M. 1523.2 DATE 4/17/2019 W.O. SV5848**

ENGINE S/N: L-12247-61A

OIL AND FILTER CHANGED. COMPLIED WITH SB 480F OIL, OIL FILTER & SUCTION SCREEN INSPECTION. SERVICED ENGINE WITH PHILLIPS 20W50 OIL AND CH48110-1 FILTER. REPLACED ALL ROCKER COVER GASKETS P/N: SL75906.  
THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

*Bill Prince*  
BILL PRINCE, INSPECTOR

SIGNATURE  
NUMBER

## ENGINE LOG



**N223JM** Model: T10-540-AK1A S/N: L-12247-61A Date: 5/1/2019  
EngTT: 1378.8 Hobbs: 1537.4 Tach: 1378.8 W.O.# CSV-19-0613

Performed an Annual Inspection on this engine in accordance with Cessna Maintenance Manual, 182SMM, Rev. 20 dated 9/1/2016, Chapter 5. Compressions: #1) 78/80, #2) 77/80, #3) 79/80, #4) 79/80, #5) 78/80, #6) 78/80. Removed oil filter for inspection, no defects noted. Serviced with 8 of Phillips X/C 20W50 oil and new CH48110-1 filter. Complied with AD 2015-19-07 (Amendment 39-16894), effective date 11/3/2015, by inspection of fuel injector lines in accordance with Lycoming MSB 342G dated 7/16/2013, no defects noted, **next due ACT 1488.8 or 5/2020, or if any fuel injection parts are loosened or moved.** Cleaned, tested and rotated spark plugs. Performed operational and leak checks, no leaks noted.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Pertinent detail of work performed on file at this location.

Signed: *Adrian* For: LEADING EDGE JET CENTER, LLC.  
FAA certified Repair Station #105M1063L  
63132 Powell Butte Hwy Bend, OR 97701 541-388-0019

DATE

## ENGINE LOG



**N223JM** Model: T182T S/N: T18208484 Date: 7/8/2019  
Hobbs: 1600.5 W.O.# CSV-19-0371

Performed 50 Hour oil change. Drained oil and removed oil filter for inspection, no defects noted. Serviced with 8 quarts of Phillips X/C 20W50 oil and new CH48110-1 filter. Performed operational and leak checks, no defects noted. Work performed in accordance with Cessna 182 SMM, Rev. 20 dated 9/1/2016, Section 12-14-02. Pertinent details of work performed on file at this location.

Signed: *Adrian* For: LEADING EDGE JET CENTER, LLC.  
FAA certified Repair Station #105M1063L  
63132 Powell Butte Hwy Bend, OR 97701 541-388-0019

SIGNATURE  
NUMBER

**N223JM** Airframe Log  
Cessna T182T S/N: T18208484 TACH: 1550.8  
Date: 24-Dec-2019 WO# CSV-19-0426



Removed alternator P/N ASG12000-3 S/N A-177868 and replaced with overhauled P/N ASG12000-3RX S/N H-T031720, see FAA Form 8130-3 Hartzel Engine Technologies W/O# M573260 dated 03-Apr-2019. Work performed in reference with Cessna MM P/N 182SMM, Rev 20, dated Sept 1, 2016 24-20-00. Performed ground run-up, ops check-good.  
REGARDING THE ABOVE MENTIONED WORK THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE

Signed: *Adrian* for: FAA CRS# L9QR350Y  
Leading Edge Aviation, Inc.  
63048 Powell Butte Hwy Bend, OR 97701 541-383-8825

# ENGINE LOG



N223JM  
Hobbs: 1699.3

Model: T182T

S/N: T18208484  
W.O.# CSV-19-0286

Date: 10/14/2019

Removed #3 cylinder and #1 cylinder EGT probe and replaced with new, P/N 86343. Work done in accordance with Cessna T182T AMM, Rev. 20 dated 9/1/2016, Section 78-10-00. Performed operational checks, no defects noted.  
Pertinent details of work performed on file at this location.

Signed: \_\_\_\_\_

A handwritten signature in blue ink, appearing to read "D. Or..."

For: \_\_\_\_\_

**LEADING EDGE JET CENTER, LLC.**

FAA certified Repair Station #16MR603L  
63132 Powell Butte Hwy Bend, OR 97701 541-388-0019

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="border: 1px solid black; padding: 10px;"> <p><b>ENGINE LOG</b> <span style="float: right;"><b>LEADING EDGE</b> JET CENTER</span></p> <p><b>N223JM</b>                      <b>Model: TIO-540-AK1A</b>                      <b>S/N: L-12247-61A</b>                      <b>Date: 4/23/2020</b>  <b>Hobbs: 1799.4</b>                      <b>Tach: 1609.1</b>                      <b>W.O.# CSV-20-0491</b></p> <p>Removed propeller to facilitate replacement of ring gear with new, P/N 72566, in accordance with Lycoming SI 1141A dated 5/9/2014. Reinstalled propeller in accordance with Cessna 182SMM. Set alternator belt tension to 9 ft/lbs in accordance with Cessna 182SM, Rev. 20 dated 9/1/2016, Section 24-20. Replaced intake gaskets on cylinders #2 and #3 with new, P/N 71973, in accordance with Lycoming Direct Drive Overhaul Manual, 60294-7, Rev. 14 dated 7/1/2011, Section 8. Replaced all exhaust gaskets with new, P/N 77611, in accordance with Lycoming SI 1204D dated 5/26/2010. Replaced exhaust stack to turbo transition gasket with new, P/N 78084. Performed exhaust inspection and leak check, no defects noted. Removed magnetos, P/N 6361, S/N's 05082025 and 13025046, and installed overhauled magnetos, P/N 6361, S/N's H-08730 (right) and H-06153 (Left), in accordance with Cessna 182SMM, Section 74-10. Removed and cleaned spark plugs, reinstalled and torqued to 35 ft/lbs in accordance with 182SMM, Section 74-10. Removed and cleaned                      Pertinent details of work performed on file at this location.</p> <p>Signed: _____ <i>Naveed</i> For:  <b>LEADING EDGE JET CENTER, LLC.</b>  <small>FAA certified Repair Station #H6MR663L                      63132 Powell Butte Hwy Bend, OR 97701 541-388-0019</small></p> </div>	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="border: 1px solid black; padding: 10px;"> <p><b>ENGINE LOG</b> <span style="float: right;"><b>LEADING EDGE</b> JET CENTER</span></p> <p><b>N223JM</b>                      <b>ENGINE Model: TIO-540-AK1A</b>                      <b>S/N: L-12247-61A</b>                      <b>Date: 4/23/2020</b>  <b>ETSN: 1609.1</b>                      <b>Tach: 1609.1</b>                      <b>W.O.# CSV-20-0545</b></p> <p>Performed an Annual Inspection on this engine in accordance with Title 14 CFR 43 Appendix D and with reference to Cessna T182T AMM 182SMM, Rev. 20 dated 9/1/2016. Compressions: #1) 71/80, #2) 71/80, #3) 74/80, #4) 70/80, #5) 72/80, #6) 76/80. Drained oil and removed oil filter for inspection, no defects noted. Serviced with 7 quarts of Phillips X/C 20W50 oil and new CH48110-1 filter. Oil sample taken. Complied with AD 2015-19-07 (Amendment 39-16894), effective date 11/3/2015, by inspection of injector lines in accordance with Lycoming MSB #342G dated 7/16/2013, no defects noted. Next inspection due where any clamp or fuel line is moved, loosened or disconnected or within 110 hours TIS or at overhaul. Removed fuel pump, P/N RG17980U/M, S/N C6161, and installed overhauled pump, P/N RG17980U/M, S/N C5375, see FAA Form 8130-3 dated 4/17/2020 by Quality Aircraft Accessories. Replaced all spark plugs with new, P/N RHB37E, in accordance with Lycoming SI 1042AG date 1/7/2019. Removed and reinstalled #4 EGT probe and applied stabilant 22 electronic contact enhancer. Stop drilled engine baffle crack below #5 cylinder. Performed operational and leak checks, no leaks noted. Checked AD's for compliance through bi-weekly update 2020-08. I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Pertinent detail of work performed on file at this location.</p> <p>Signed: _____ <i>Naveed</i> For:  <b>LEADING EDGE JET CENTER, LLC.</b>  <small>FAA certified Repair Station #H6MR663L                      63132 Powell Butte Hwy Bend, OR 97701 541-388-0019</small></p> </div>	



**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	ENRGS	OTHER		
			<p align="center"><b>AUTOPILOTS CENTRAL INC</b></p> <p align="center">Hangar 23, Tulsa International Airport-Tulsa, OK 74116 (918)836-6418</p> <p>Date: 7/19/2021; Aircraft: N323JM N323JM T182T s/n: 11621 Hobbs:1718.6 MA21-06530 Date:07/19/2021 Discrepancy: 1 Oil and oil filter change 20W50XC (owner supplied) ACA. Changed oil and oil filter, cut filter open filter normal. Serviced with 20W50XC. Ground run. No leaks at this time.</p> <p>The articles and/or work hereon described is/are certified airworthy (unless otherwise specified). Autoplots Central, inc. FAA CRB CMR7-47K Authorized Signature: <i>K. Fischer</i></p>	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	ENRGS	OTHER		
			<p align="center"><b>Southeast Aero Services Inc.</b></p> <p align="center">St Augustine, FL. Phone (904) 824-1899 / Fax (904) 824-6334</p> <p>Lycoming TIO-540-AK1A      S/N: L-12247-61A      N323JM 01 April 2022      Hobbs: 2037.4 hrs.      Tach: 1807.6 hrs.</p> <p>Removed cowl, propeller, and starter. Removed crankshaft seal, cleaned, prepped, and reinstalled new crankshaft seal P/N: LW-13793, IAW Lycoming 81-1324C. De-sludged the crankshaft, installed new starter ring support assembly, P/N: 31M32993. Reinstalled, torqued and safetied propeller using new packing. Installed new alternator belt, adjusted tension, secured, and safetied. Installed and torqued new starter, P/N: ERB-8011, S/N: H-W030705. Adjusted L/R mag timing to spec. and installed new magneto ignition cap o-ring on right magneto using new hardware. Performed engine run with no abnormalities noted.</p> <p align="center"><i>Liam P. Mullane</i> Liam P. Mullane A&amp;P2807974</p>	



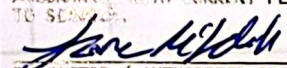
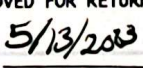
### MAINTENANCE RECORD

DATE	TOTAL IN SE HOURS	Lowe Aviation Services LLC 500 Aviation Way B5 Peachtree City, Georgia 30269 ETER699D LOG ID# 3275 23-May-2022 WO# 53021 REF# 53021 HOBBS 2048.6 N223JM S/N T18208484 CESSNA T182T TACH 1826.1	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
		Pg 1 / 1	
		ANNUAL INSPECTION COMPLETED THIS DATE. REMOVED COWLING AND INSPECTED USING A CHECKLIST PREPARED IN REFERENCE WITH FAR 43 APPENDIX D.  PERFORMED CYLINDER COMPRESSION TEST. COMPRESSIONS: #1:70/80 #2:74/80 #3:72/80 #4:70/80 #5:72/80 #6:70/80. DRAINED AND REMOVED OIL FILTER AND INSPECTED FOR FOREIGN MATERIAL. NONE NOTED. INSTALLED NEW OIL FILTER CH48110-1. SERVICED WITH 10 QUARTS OF PHILLIPS X/C 20W/50.  REPLACED NUMBERS 4 AND 6 BOTTOM SPARK PLUGS WITH NEW SPARK PLUGS P/N:RHB37E. ALL WORK COMPLETED IN REFERENCE WITH LYCOMING MM.  REPLACED AIR FILTER WITH NEW AA10-6150.  I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN REFERENCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE. AD'S CHECKED USING FAA AND ARE CURRENT AS OF THIS DATE. MAINTENANCE RELEASE / RETURN TO SERVICE CRS# ETER699D  THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE.	
		<i>[Signature]</i> INSPECTOR / AUTHORIZED SIGNATURE	ETER699D CERTIFICATE #
			5-23-2022 DATE

### MAINTENANCE RECORD


DATE	TOTAL IN SE HOURS	Lowe Aviation Services LLC 500 Aviation Way B5 Peachtree City, Georgia 30269 ETER699D LOG ID# 3964 16-May-2023 WO# 53655 REF# 53655 N223JM S/N T18208484 CESSNA T182T TACH 1983.2	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
		Pg 1 / 1	
		ANNUAL INSPECTION COMPLETED THIS DATE. OPENED AIRCRAFT INSPECTION PANELS AND INSPECTED USING A CHECKLIST PREPARED IN REFERENCE WITH FAR 43 APPENDIX. FUNCTION TEST ELT PER FAR91.207. NEXT BATTERY REPLACEMENT DUE MAY 2024.  ADJUSTED LH FLAP/AILERON CABLE PASS THROUGH FOR THE FUSELAGE TO WING. ALL WORK COMPLETED IN REFERENCE WITH CESSNA T182T MM. REMOVED FAULTY BATTERY. INSTALLED NEW BATTERY PN: 7243-14 SN: G03183918. SYSTEM RAMP CHECK OPERATIONAL. WORK PERFORMED IN REFERENCE WITH CESSNA T182T MM.  I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN REFERENCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE. AD'S CHECKED USING FAA AND ARE CURRENT AS OF THIS DATE. MAINTENANCE RELEASE / RETURN TO SERVICE CRS# ETER699D  THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE.	
		<i>[Signature]</i> INSPECTOR / AUTHORIZED SIGNATURE	ETER699D CERTIFICATE #
			5/16/2023 DATE

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p><b>Lowe Aviation Services LLC 500 Aviation Way B5 Peachtree City, Georgia 30269 ETER699D</b>  <b>LOG ID# 3965 16-May-2023 WO# 53655 REF# 53655</b>  <b>N223JM S/N T18208484 CESSNA T182T TACH 1983.2</b></p> <p align="right">Pg 1 / 1</p>	
			<p>ANNUAL INSPECTION COMPLETED THIS DATE. REMOVED COWLING AND INSPECTED USING A CHECKLIST PREPARED IN REFERENCE WITH FAR 43 APPENDIX D.</p> <p>PERFORMED CYLINDER COMPRESSION TEST. COMPRESSIONS: #1:70/80 #2:77/80 #3:72/80 #4:72/80 #5:70/80 #6:73/80.                  DRAINED AND REMOVED OIL FILTER AND INSPECTED FOR FOREIGN MATERIAL. NONE NOTED. INSTALLED NEW CH48110-1 OIL FILTER. SERVICED WITH 10 QUARTS OF PHILLIPS X/C 20W50.</p> <p>REPLACED AIR FILTER WITH NEW AA10-6150.                  REMOVED AND REPLACED CYLINDER NUMBER 5 ROCKER COVER GASKET. GROUND RAN LEAK CHECKED. NONE NOTED. ALL WORK COMPLETED IN REFERENCE WITH TIO-540 MM.                  REMOVED FAULTY CYLINDER. INSTALLED NEWLY OVERHAULED CYLINDER PN: LW-12429 SN: 24860-1 REF: J14R288M 8130-3 DATED 6-23-1997.                  SYSTEM RAMP CHECK OPERATIONAL. WORK PERFORMED IN REFERENCE WITH LYCOMING TIO-5450 MM.                  COMPLIED WITH A.D. 2015-19-07 BY MEANS ON INSPECTION NUMBER (II) PER A.D. NO DEFECTS NOTED AT THIS TIME.</p> <p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN REFERENCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE. AD'S CHECKED USING FAA AND ARE CURRENT AS OF THIS DATE.</p>	
			<p>MAINTENANCE RELEASE / RETURN TO SERVICE CRS# ETER699D</p> <p>THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE.</p>	
			<p align="center">                   INSPECTOR / AUTHORIZED SIGNATURE             </p>	<p align="center">                 ETER699D                  CERTIFICATE #             </p>
				<p align="center">                   DATE             </p>

wo: WO\_119

Engine - page 1 of 2

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
			<p align="center">                 Mitchell Aviation Services - 4048039858             </p>	
			<p><b>N223JM LYCOMING, TIO-540-AK1A, S/N: ENGINE SN TBD</b> <b>May 20, 2024</b>  <b>TACH: 2051.4</b></p> <p>ANNUAL ENGINE INSPECTION COMPLETED THIS DATE. REMOVED COWLING AND INSPECTED USING A CHECKLIST PREPARED IN REFERENCE WITH FAR 43 APPENDIX D.</p> <p>PERFORMED CYLINDER COMPRESSION TEST. COMPRESSIONS: #1: 74/80 #2: 79/80 #3: 77/80 #4: 74/80 #5: 78/80 #6: 78/80.                  DRAINED AND REMOVED OIL FILTER AND INSPECTED FOR FOREIGN MATERIAL. NONE NOTED. INSTALLED NEW OIL FILTER CH48110-1. SERVICED WITH 10 QUARTS OF 20W50.</p> <p>REMOVED AND REPLACED ALL SPARK PLUGS WITH NEW PLUGS P/N: URHB37E. ALL WORK COMPLETED IN REFERENCE WITH LYCOMING TIO-540 MM.                  COMPLIED WITH A.D. 15-19-07 BY MEANS OF VISUAL INSPECTION. NO ISSUES WERE DETECTED AT THIS TIME. NEXT DUE 05/2025 OR TACH: 2161.4</p> <p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN REFERENCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE. AD'S CHECKED USING FAA AND ARE CURRENT AS OF THIS DATE.</p>	
			<p align="center">                 Mitchell Aviation Services - 4048039858             </p>	
			<p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Mitchell Aviation Services under work order: WO_119.</p>	
			<p>Lane Mitchell A&amp;P; IA 4300270</p> <p align="center">  </p>	